

New Zealand Institute of Physics

MINUTES OF ANNUAL GENERAL MEETING 2012

**Thursday 25th October 2012
4.00 pm**

**Manawatu 1 Meeting Room, Registry Building Level 1, Room 3.04
Turitea Campus, Massey University, Palmerston North**

Present: Peter Derrick, Bill Williams, Kat Teal, (& on Scopia) Geoff Willmott, Simon Granville, James Quilty, Uli Zuelicke, Michele Governale, Ben Ruck, Howard Lukefar, Stuart Bradley, Marcus Wilson, David Housden, Jenni Adams

Agenda

1. Welcome by the President
2. Council Membership – (Secretary)

Clarification was sought on the current make-up of the NZIP council. The NZIP constitution, states:

The affairs of NZIP shall be managed by a Council elected by the Corporate Members of NZIP. The Council shall consist of a President, the Immediate Past President, a Vice-President, an Honorary Secretary, an Honorary Treasurer, one member of NZIP representing each Branch, and the Chairperson of the Education Section. Normally the President, Honorary Secretary and Honorary Treasurer will be domiciled in the same Branch. The Officers and Ordinary Members of the Council shall be Corporate Members of NZIP. The President and Vice-President shall be elected and shall be eligible for immediate re-election to the same office, but neither shall hold his office for more than two consecutive years. The Secretary shall be elected annually, and shall be eligible for immediate re-election, but shall not hold his office for more than three consecutive years. Ordinary Council Members shall be elected annually at an Annual General Meeting of the Branch that they represent and shall be eligible for immediate re-election, but shall not serve as Ordinary Members for more than five consecutive years. In the absence of such election the Council shall co-opt an Ordinary Member to represent that Branch on the advice of the existing or previous Branch Committee. (More information is available on the NZIP website).

Present membership:

- Peter Derrick (President)
 - o [P.J.Derrick@massey.ac.nz]: IFS Massey, +64 6 (06) 356-9099 Ext 3500
- Kathryn Teal (Treasurer)
 - o [k.l.teal@massey.ac.nz]: IFS Massey, +64 6 (06) 356-9099 Ext 3500
- Bill Williams (Secretary)
 - o [m.williams@massey.ac.nz]: Massey +64 6 (06) 356-9099 Ext 3543
- Ben Ruck (Immediate past president)
 - o [Ben.Ruck@vuw.ac.nz]: VUW, +64-4-4635089
- David Housden (NZIPES Chair)
 - o [dhousden@xtra.co.nz]: St Bernards College, Lower Hutt, 021 1509000
- Stuart Bradley
 - o [s.bradley@auckland.ac.nz]: Physics Dept, UoA, +64-9-373-7599 x88886
- Terry Scott
 - o [scott@physics.otago.ac.nz]: Physics Dept, Otago, +64-3-479-1100 x7741
- David Wiltshire
 - o [david.wiltshire@canterbury.ac.nz]: Physics Dept, UoC, +64-3-364-2473
- Cather Simpson
 - o [c.simpson@auckland.ac.nz]: Physics Dept and Chemistry Dept, UoA, +64-9-373-7599 x82279
- Marcus Wilson
 - o [mtwilson@waikato.ac.nz]: Engineering Dept, Waikato, +64-7-838-4834

3. NZIP financial report – (Treasurer)

A financial report was prepared by Michelle Governale (Immediate last treasurer) and Kathryn Teal, and was briefly presented by Kat. See Attachment.

4. NZIP Education Section financial report – (David Housden)

A financial report was prepared and briefly presented by David. See Attachment. NZIPES finances are healthy, and some discussion was held around whether there were long term plans to use some of the resource on particular projects. Nothing specific was identified at present but David indication this was something NZIPES were thinking about.

5. NZIP Education Section activity report – (David Housden)

David spoke to a report he had prepared. See attachment. Main points include the NZIPES website had required revamping and considerable work had been carried out making sure that teachers had quality resources available for NCEA. Some discussion

was held on the possibility of trying to involve others from more wide-spread NZ locations.

6. NZIP Fellows report on activity – (Secretary)

The secretary encouraged Fellowship proposals. The criteria and application form is available on the NZIP website. Applications should be proposed by two current fellows. The secretary will place a list of current fellows on the website. Current Fellows are:

Ballagh	Robert	University of Otago
Bradley	Stuart	University of Auckland
Buckingham	John	
Butler	Philip	University of Canterbury
Carnaby	Garth	c/o G A Carnaby & Associates Ltd
Clare	John	Industrial Research Ltd
Derrick	Peter	Massey University
Gardiner	Crispin	University of Otago
Housden	David	
Johnson	Peter	
Larsen	Howard	Ministry for the Environment
McCann	Valda	
Parry	David	Massey University
Poletti	Alan	
Round	Howell	University of Waikato
Signal	Tony	Massey University
Tindle	Chris	University of Auckland
Zuelicke	Ulrich	Victoria University of Wellington
Bahr	John	University of Otago
Mann	Bryon	St Margaret's College
Pinder	Neil	Massey University

7. Dan Walls Medal – nominate three Assessors

One very positively received application has been received for the Dan Walls Medal from Victoria University. The constitution states:

The NZIP Awards Committee may decline to make an award if the appropriate standard is not achieved. An unsuccessful application will be considered by the Awards Committee for a further three years before it drops off the list. A new application cannot be made for a period of at least three years.

In lieu of a existence of a current Awards Committee it was proposed that independent assessors be asked to quickly review the application (ACTION: Secretary), and that given successful assessment that the award be made at the RSNZ awards ceremony (ACTION: President).

8. Rutherford Trophy – (Education Section and Secretary)

The purpose of the Rutherford Trophy was clarified:

The Rutherford Trophy was established in 1973 by the Mathematics and Physics section of the RSNZ Christchurch Branch to “stimulate the development and improvement of simple lecture and laboratory demonstrations”. The keynotes are simplicity and “the string and tape approach”. The trophy is so named because of Rutherford’s emphasis on simple and clear demonstrations. Applications are invited from those who have developed demonstrations or similar that live up to the spirit of the award. Awards are made in odd years. A cheque of \$200 will be presented to the winner of this award.

It was discussed that we should aim to present this award at the 2013 conference (ACTION” Secretary to invite Applications).

9. Association of Asia Pacific Physical Societies (AAPPS) Membership – (Secretary)

AAPPS membership was raised and at \$200 a year this was felt to be justified.

10. International Year of Light – 2015 (Ben Ruck and President)

The ambition for an International Year of Light was briefly discussed, arrangements are progressing overseas and NZIP is a full Partner. Specifically, the project is to request the Proclamation of an International Year of Light by the United Nations General Assembly. It would likely be a good opportunity for our 2015 conference.

11. First-year teaching at universities and physics in schools: subject for our 2013 Conference – (Ben Ruck and Secretary)

Discussions were held around holding a session at the coming NZIP conference devoted to discussing the transition between school and first year university study. This was initiated by Howard, Ben and Terry Scott and the idea was enthusiastically supported. Issues such as how teachers respond to university requirements could be raised, and it was agreed to schedule such a session at the 2013 conference.

12. President's Report

(a) First impressions

The president reported on positive first impressions of NZIP and in particular how there is a very strong education section with the active involvement of a great many teachers. It was also reported that the Institute have agreed to sponsor student prizes at the upcoming AMN 6 conference (Feb 2013 in Auckland) to the tune of \$1000.

(b) Acronym for the Institute

Some discussion was held around whether NZIoP might be an improved acronym for the Institute. Initial comments were mixed and more feedback is sought.

(c) 2013 Conference

Possible themes were discussed for the up and coming conference. The secretary talked to a proposal around the breadth of NZ physics. While the astro- aspect was broadly supported, proposals around bio- and geo- aspects were less enthusiastically received. Communication of science was also discussed and Derek Muller was suggested as an excellent science communicator. That was enthusiastically endorsed by the council.

Discussion also took place around the timing and the issues of selecting conference dates that could satisfy disparate university timetables and teaching terms. The proposal of having the conference overlap a weekend was positively received. This would potentially allow teachers to attend at least part of the conference while at the same time allowing accommodation to be accessed at cheaper prizes. Such an arrangement would mean that a format with morning and evening presentations and free afternoons could be used, with a potential venue such as Tongariro Chateaux. It was resolved that a date be set as soon as possible so that speakers can be invited and members notified (ACTION: President).

The New Zealand Institute of Physics Inc.
Statement of Financial Performance
For the Year ended 30th April 2012

Revenue	2012	2011	2010
	\$	\$	\$
Subscriptions	13,346.90	26,462.11	3,707.47
Interest	994.08	1243.48	717.97
Net return for confrence	5,338.66		
Conference fees and sponsorship	0	0.00	44,020.41
Others	0	314.99	4,246.13
Total income	19,679.64	28,020.58	52,691.98

Less Expenses

Bank Charges	246.4	173.00	149.74
GST	536.37	2,242.40	2,845.58
RSNZ Subscription		1,611.46	1,576.43
Refund of subscriptions incorectly transferred to our account in previous financial year	3430.1		
Travel		258.61	
Conference & Events Fees	6,147.23	325.00	
School and other prizes (book tokens)	2,481.90	3,813.15	3,300.00
Sponsorship	200	750.00	1,250.00
Website design	3600		
Dan Walls medal (x2)	535.33		
Conference Costs	100		36,473.27
Others	146.9	1,785.38	3,466.06
Total Expenses	17,424.23	10,959.00	49,061.08

Net Surplus	2,255.41	17,061.58	3,630.90
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Financial position

	2012	2011	2010
Current Account	25,203.38	28,334.80	11,415.12
Conference account	12,760.94	7,621.77	13,332.36
Term Deposits	21,113	20,642.08	19,450.20
Cash			40.00
Net Financial Assets	59,077.32	56,598.65	44,237.68

Treasurer: Michele Governale

Date: 22 October, 2012

The New Zealand Institute of Physics Inc.

Financial Report for the Year ended 30th April 2012

1. In this financial year, the subscriptions amounted to \$ 13,469.90.
2. One of the major expenses amounted to \$ 3,600 for the design and implementation of the new website. This is a one-off expense.
3. The Fees charged by Conference & Events for managing subscriptions amounted to 6,147.23. This includes services delivered in the previous financial period. Given the extent of the amount, I would recommend reassessing the cost effectiveness of this solution for managing subscription fees and the members database when the system will reach its steady-state.
4. In the expenses, I have listed \$ 3430.1 that were paid to us erroneously in the previous fiscal year and which we have refunded.
5. This year we purchased two copies of the Dan Walls medal. The extra one has been given to Paul Callaghan's family, since he had not been given the actual medal when he was awarded it.
6. Under other expenses, I have listed the expenses for the NZIP president to attend the dinner of the RSNZ (\$140) and \$6.9 for web hosting.
7. To the 30th April 2012, we had not yet been invoiced for the RSNZ subscription.
8. I acknowledge the School of Chemical & Physical Sciences at the Victoria University of Wellington for providing administrative support.
9. The accounts have not been audited by an outsider, but all payments have been scrutinized by the Council.
10. Membership fees seem to be adequate for current operations.

Dr. Michele Governale
Treasurer, NZIP

NZIPES: New Zealand Institute of Physics - Education Section Report for AGM of NZIP October 2012

Executive:

Chairperson: David Housden (St Bernard's College)
Secretary: Raymond Neal (St Patrick's College, Kilbirnie)
Treasurer: Winton Clitheroe (Wellington Girls' College)

Committee Members:

Brenda MacKechnie	Hutt International Boys' School
John Whakamoe	Educational Consultant
Peter Gilbert	Royal Society of New Zealand
Paul King	Educational Consultant

NZIPES Goals:

- To continue to offer the usual services such as Year 12 and 13 examinations
- To provide resource materials and to update current resources available
- To continue to promote the views of physics teachers in this country on issues of national importance.
- To provide core professional development opportunities for teachers
- To encourage stronger links with Tertiary/Research bodies
- To develop stronger regional support networks for physics teachers

Nominations for 2012 AGM for NZIPES

Executive:

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Treasurer: Winton Clitheroe (Wellington Girls' College)

Committee Members:

Brenda MacKechnie	Hutt International Boys' School
John Whakamoe	Educational Consultant
Peter Gilbert	Royal Society of New Zealand
Paul King	Educational Consultant

Achievements for 2011-12:

- Successful completion of examinations for 2011
- Successful completion of examinations for 2012

The continued success of these examinations can be solely attributed to Raymond Neal. His work in this area is tireless and outstanding. We are looking to carry out a full review of our examination processes to ensure we continue to provide a high quality service. This may involve appointing three examiners (one for each level of NCEA) and making them fully responsible for the production of each examination.

- Significant advancement of the website has occurred and resources are regularly updated.
- Our financial situation is very sound. As at 10 October 2012 we had \$114,000 in cash reserves.
- Strong links now exist between Confer and NZIPES. Confer formally handle all contract arrangements, secretarial support for NZIPES
- Development of our online resource service. Over 300 schools now subscribe to this service. The quality of the resources available is extremely high and we are the only professional group that provides teachers with moderated assessment materials that meet the current requirements of NZQA.
- Further development of resources – we now offer assessment resources for all physics related standards. These resources have passed the moderation requirements of NZQA. We have expanded our selection to include L1 internal standards as well as the external standards such as mechanics and electromagnetism.

IYPT

We continue to support the International Young Physicists' Tournament. NZ has had considerable success in recent years.

Website redevelopment

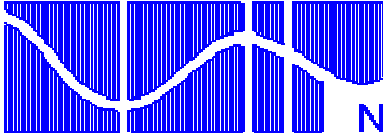
During the October school holidays the entire secure resource website was rebuilt. The platform is now hosted on the Microsoft 365 platform. This will mean we have better control (e.g. we can create users and change passwords etc) and this is a free hosting service.

Future Focus

It is the intention of the NZIPES to continue to offer a wide range of resources for teachers. We are currently rewriting all our L3 material to ensure that teachers have high quality, reliable and robust assessment materials. We would like to expand our support network into other areas and one possibility is that we recruit e-mentors. This has been a very successful scheme in the US where experienced teachers are paired with new teachers.

Clearly we are always looking to expand our services to teachers. Suggestions and input from the membership is strongly encouraged. I would like to take this opportunity to thank the committee. My deepest thanks go to them.

David Housden
Chairperson NZIP Education Section



New Zealand Institute of Physics

EDUCATION SECTOR

Income and Expenditure Report
For the year ended 30 April 2012

	GST Exclusive	
	2012	2011
	\$	\$
Income		
NZIPES Subscriptions	26,187	29,167
Cluster Meetings Income	-	1,333
Interest Income	1,180	63
NZIP Contribution towards Website	2,000	-
Total Income	\$ 29,368	\$ 30,563
Less: Expenditure		
ACC	95	-
Accounting Fees	5,625	6,889
Bank & Credit Card Fees	243	203
Cluster Meeting Costs	-	2,715
GST	644	-
NZIPES Administration Costs	309	674
Payments to Contractors for Assessment Tasks	15,988	10,720
PAYE	3,623	3,464
Website Costs	4,354	-
Total Operating Expenses	\$ 30,881	\$ 24,664
NET PROFIT/(LOSS)	\$ (1,513)	\$ 5,899

NB: This report has been prepared on a cash basis to 30 April 2012