



New Zealand Institute of Physics
The institute for professional physicists

NZIP AGM 17 November 2014

Room 303-610, Physics-Mathematics Building, University of Auckland

Chair: Peter Derrick

In attendance: Kelly Bunce, Jay Malhotra, David Housden, Mike Reid, Geoff Wilmott, Marcus Wilson, Stuart Bradley, David Wiltshire,

Apologies: None.

Minutes: Denis Burchill

The meeting opened at about 1.00 pm

Previous Minutes:

Moved: (Geoff Wilmott/Marcus Wilson) that the 2013 NZIP AGM minutes be accepted.
Carried.

Matters Arising:

Since the last AGM Peter Derrick a Council meeting was held in which Peter Derrick was elected NZIP President and Cather Simpson Vice President.

Peter Derrick has replaced John Harvey on IUPAP. Peter reported that a UK delegate at the recent IUPAP meeting had attended our NZIP Conference in Nelson and was impressed with both the conference and the mix of teachers and physicists.

Correspondence:

Denis Burchill reported that 30 schools had requested NZIP book prize certificates and vouchers for end of year prize-givings. Also there had been 3 recent membership applications.

President's Report:

Peter Derrick reported verbally and discussion was centred around the following matters: There is no activity at branch level at the moment. How many branches do we want? It seems natural to distribute them geographically and/or centre them around universities. Geoff Wilmott suggested six branches: Auckland, Waikato, Palmerston North, Victoria, Canterbury and Otago. He suggested further that there be one rep/contact person per university/region. Peter reported that IUPAP is moving from London to Singapore and the president is Bruce McKeller from Melbourne but the secretary-general and treasurer will be in Singapore. IUPAP funds in the UK will be run down in since charity money can't be taken out of the UK and ongoing funds will build up in Singapore. The intention is for NZ to raise its "shares" in IUPAP from 1 to 2 because NZ has more in common with countries with 2 shares. This would be paid by the RSNZ. (The UK has 15 shares.) Ulrich Zuelicke will be a member of Commission 3 (Semiconductors) and Cather Simpson may get on to Commission 17 as an associate member.

Financial Report:

Marcus Wilson presented the financial report which shows a \$17k net deficit for the year which is pretty considerable. He also presented a snapshot of NZIP funds as of now just for noting. **Moved:** (Kelly Bunce/Jay Malhotra) that the financial report be accepted. Carried.

Election of Officers:

Marcus Wilson will continue as NZIP Treasurer and no election is needed.

Moved: (Stuart Bradley/Geoff Willmott) that the officers be:

President: Peter Derrick
Secretary: Denis Burchill
Vice-President (2): Cather Simpson
Vice-President (1): Alistair Steyn-Ross Carried.

Education Section Report:

David Housden presented the NZIPES report and income and expenditure report (attached).

General Business:

1. There has been some contact with students of the Physics Association Auckland University (PAUA) and this raises the idea that it would be beneficial to have a physics student on NZIP Council.

2. The NZIP website is in need of updating. We have found that the hosting through the RSNZ is unreliable. David Housden said that he will cull dead material on the website and offered to do the work behind moving our website to a more reliable host. **Moved:** (Denis Burchill/Jay Malhotra) that NZIP change its website host and pay the new hosting costs. Carried.

3. Geoff Willmott talked to his item of general business concerning Isaac Physics:

In the UK they are setting up an online physics instruction resource for secondary schools <https://isaacphysics.org>

This is driven by the need to produce stronger physics students entering tertiary level. They see a lot of the places in the best UK physics and engineering courses taken by foreign students. Equally, it is a resource and opportunity for teachers to extend themselves and interested students beyond NCEA / A-level.

It is intended to be accessible to all schools (zero cost I think), so that if there is one interested student in a small (or not traditionally strong) school, they can be supported just as much as others.

Prof Mark Warner, who is running the programme (several million GBP funding), is a NZer at Cambridge. I caught up with him in September and he seemed pretty happy in principle about using the scheme here. I think the biggest hurdle is getting some buy-in from Universities to provide occasional support for teachers and students entering the scheme. Obviously any input from the NZIP education section on this possibility much appreciated. If there is interest then I can follow up with Mark and figure out more details.

Kelly Bunce said she supported using the scheme since it would produce students stronger in physics. David Housden said that students and teachers would be keen but we would need to match up the UK and NZ curriculums. Geoff Willmott will follow this up.

4. Denis Burchill gave a brief report on the actions of the NZ International Year of Light (IYL) Committee. It is important to keep a synergy between IYL and NZIP especially in relation to the NZIP Conference next year.

5. Marcus Wilson reported on recent developments in planning for the **2015 NZIP Conference**: Conference and Events Ltd have been contracted to run the conference and will have the conference website up and running at the end of November. The venue at University of Waikato has been booked. The call for papers will be out soon. Senior physics people around the country could be asked to suggest names of keynote speakers. Jay Malhotra suggested Neil deGrasse Tyson be approached.

Meeting ended at 2:20 pm

The New Zealand Institute of Physics Incorporated (Society Number 224890)

Financial Statement

Year ending 30 April 2014. GST exclusive

<u>Revenue</u>	<u>2014</u>	<u>2013</u>	<u>2012</u>	Notes
Subscriptions	4413.48	11959.5	13346.9	Invoices for 2014 sent out late.
Interest	796.74	804.38	994.08	
refund/return from Conference	0.00	0	5338.66	
Others	34.78	0	0	
Total Income	5245.00	12763.88	19679.64	

Expenses

Bank fees	261.50	227.60	246.40	
RSNZ Subscription		1665.66		Not invoiced for FY end Apr14
Refund of subscriptions	52.17	1202.75	3430.10	Those paid in error
Conf and events fees membership	9117.02	6507.02	6147.23	For membership services
Schools and prizes	465.00	2481.00	2481.90	Mostly book tokens
Sponsorship	2007.82	1100.00	200.00	KOALA conference & ANZCOP
Website design			3600.00	
Dan Walls medal		254.15	535.33	No record for FY end Apr14
Conference Costs	10157.55		100.00	Net loss on conference
Penalties from IRD		184.25		
NZIPES	400.00	-	-	
Depreciation on fixed assets				
Others	43.48	74.29	146.90	NZIPES, flowers for Kat
Total expenses	22504.54	13696.72	16887.86	

Net surplus/deficit **17259.54** **932.84** **2791.78** Black is surplus, red is deficit

Summary of accounts

Current account	6062.20	20831.18	25203.38	
Conference account	7883.48	12792.86	12760.94	
Term deposits	22539.83	21832.49	21113.00	
Accounts receivable	612.29	170.54		GST refund owed to us
Accounts payable	688.86	1909.30		USD600 for 2012-14 AAPPs
Fixed assets	0.00	0.00	0.00	
Financial position as of 30 April	36408.94	53717.77	59077.32	

Compiled by Marcus Wilson 7 May 2014

The New Zealand Institute of Physics Incorporated (Society Number 224890)

Financial Statement

Year ending 30 April 2015. GST exclusive

	NZIP	IYOL	
<u>Revenue</u>	<u>2015</u>		<u>Notes for 2014/2015</u>
Subscriptions	9428.08		2014 memberships; 2015 still to come
Interest	261.86		
refund/return from Confer	0.00		
NZIP to IYOL		2000	
Others	0.00		
Total Income	<u>9689.94</u>	<u>2000</u>	
<u>Expenses</u>			
Bank fees	120.30		
RSNZ Subscription			Not invoiced!
Refund of subscriptions	52.17		Those paid in error
Conf and events fees meml	4503.40		For membership services
Schools and prizes	1125.00		e.g. Book tokens
Sponsorship	1950.00		Otago science fair, AMN7 (MacDiarmid), KOALA
Conference Costs			
NZIPES	956.52		Transfers for wrongly allocated fees
Depreciation on fixed assets			
NZIP to IYOL	2000.00		
Others	6.00		
Total expenses	<u>10713.40</u>		
Net surplus/deficit	1023.46		2000 Black is surplus, red is deficit
<u>Summary of accounts</u>			
Current account	5224.58		
Conference account	7893.30		
IYOL		2000.00	International year of light account
Term deposits	22780.67		
Accounts receivable	0.00		
Accounts payable	1217.75		USD600 for AAPPS fees, \$436.50 GST
Fixed assets	0.00		
Financial position	<u>34680.80</u>	<u>2000.00</u>	
as of 31 Oct 2014			

Snapshot by Marcus Wilson 31 October 2014

International year of light is included here

NZIPES: New Zealand Institute of Physics - Education Section

Report for NZIP AGM of November 2014

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:

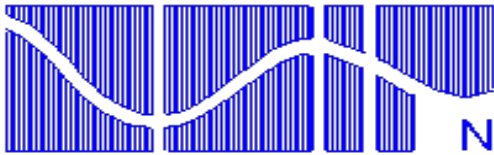
- To continue to offer the usual services such as Year 12 and 13 examinations
- To provide resource materials and to update current resources available
- To continue to promote the views of physics teachers in this country on issues of national importance.
- To provide core professional development opportunities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

Achievements for 2013-14:

- Successful completion of examinations for 2013
- Successful completion of examinations for 2014
- 2014 examinations have been developed under a new system where there are examiners for each level – the basic system is a replica of the NZQA model
- New secure website has been developed and resources are regularly updated.
- Conference and Events Ltd 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.
- Further development of resources – we now offer assessment resources for virtually all physics related standards. These resources have successfully met the moderation requirements of NZQA.
- A complete rewrite has occurred of all the L2 and 3 internal standards for physics.
- In 2014 over ten new assessment resources have been added for the internal physics standards

IYPT

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



Income and Expenditure Report
For the year ended 30 April 2014

	GST Exclusive	
	2014	2013
	\$	\$
Income		
NZIPES Subscriptions	26,852	31,604
Interest Income	1,566	428
ACC refund	0	28
Total Income	\$28,419	\$32,060
	\$	\$
Less: Expenditure		
ACC	0	0
Accounting Fees	8,837	9,520
Visa payment	0	0
Bank & Credit Card Fees	216	321
GST	2,081	2,307
Printing, stationery and tolls	0	45
Payments to Contractors for Assessment Tasks	12,027	12,252
IYPT NZ Tournament Sponsorship	0	2,000
Conference Expenses	993	0
PAYE	4,877	1,834
Website Costs	100	205
Total Operating Expenses	\$29,130	\$28,484
NET PROFIT/(LOSS)	(\$711)	\$3,576

NB: This report has been prepared on a cash basis to 30 April 2014



New Zealand Institute of Physics

EDUCATION SECTOR

Balance Sheet
For the year ended 30 April 2014

	GST Exclusive	
	2014	2013
	\$	\$
Current Assets		
Current Account	10,486	32,737
Resources Account	60,803	38,559
Fixed Assets		
Term Deposit	53,286	51,787
Total Assets	\$ 124,574	\$ 123,082
Less: Current Liabilities		
GST Liability	2,975	2,852
Total Current Liabilities	\$ 2,975	\$ 2,852
NET ASSETS	121,600	120,230

NB: This report has been prepared on a cash basis to 30 April 2014

Term Deposit - NZIPES

Balance as at 1 May 2013 (est date)	\$	51,786.82
Balance as at 30 April 2014 (est date)	\$	53,285.79
Interest for 2013/14	\$	1,498.97

Estimate because we can't view the account in BNZ