



New Zealand Institute of Physics

The institute for professional physicists

NZIP AGM 8 July 2015
Room S.1.04, University of Waikato

Chair: Peter Derrick

In attendance: Jenni Adams, John Bennet, Denis Burchill, Shen Chong, Peter Derrick, Simon Granville, T “Haggis” Henderson, David Housden, Paul King, Catherine Low, Nathan Mehrtens, Samy Nayagar, Kerry Parker, Mike Reid, Walt Rutgers, Alistair Steyn-Ross, Dave Thrasher, Bill Trompetter, Geoff Wilmott, Marcus Wilson, David Wiltshire, Stuart Wimbush, Ulrich Zuelicke.

Apologies: Stuart Bradley, John McLellan.

Minutes: Denis Burchill

The meeting opened at 1.50 pm

Previous Minutes:

Moved: (Peter Derrick/Marcus Wilson) that the 2014 NZIP AGM minutes be accepted.
Carried.

Matters Arising:

- *Isaac Physics:* Geoff Willmott has continued to liaise with the UK developers of this online physics instruction resource for secondary schools (<https://isaacphysics.org>).
- The NZIP website is an improvement but it would be good to get someone to be responsible for updating material. David Housden updated about the Physics Teachers’ Resource Bank (Victoria University) which now has been added to the NZIP website. The NZIP website is not really known except by word of mouth. Jenni Adams said she would like a career-focused set of pages – “Jobs that physicists do” – which are independent of university logos and publicity. **Moved:** (Jenni Adams/Alistair Steyn-Ross) that NZIP fund someone up to \$5k to update the and maintain the NZIP website under the guidance of the committee. *Carried.*

Correspondence:

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President’s Report:

Peter Derrick reported verbally that the constitution had been changed in order to make NZIP more functional. The flaw is that there are no identified branches that elect people on to the NZIP Council. There are still branches but they are in name only. At the moment the Council functions are being served by the office holders. Perhaps NZIP could fund a visiting speaker (such as Prof Elizabeth Winstanley –University of Sheffield - on “Women in Physics”) and have branches organize her visit to their region? “Women in Physics” is a lively issue and has

been discussed for ages in the IUPAP.

Financial Report:

- Marcus Wilson presented the financial report (attached) and proposed an increase in fees from Fellows: \$75, Members: \$60, Students: \$25 to \$90, \$70, \$30 respectively. After discussion, the meeting was not in favour of changing the fee structure.
- Peter Derrick talked about the “quantum entanglement” of the NZIP accounts with those of the NZ 2015 International Year of Light Committee owing to NZIP’s early involvement in supporting the 2015 International Year of Light to be established.
- Discussion moved on to the costs involved in contracting Conference and Events Ltd to administer the professional membership and accounts and also the Education Section membership and accounts.
Moved: (Marcus Wilson/David Housden) that NZIP combine the main account and Education Section account and negotiate with Conference and Events Ltd a move to one contract with them. *Carried.*

Education Section Report:

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

Election of Officers:

Marcus Wilson will continue as NZIP Treasurer until March 2016.

Peter Derrick is stepping down as president

Moved: (David Housden/Marcus Wilson) that David Hutchinson (University of Otago) be elected President. *Carried.*

Moved: (Jenni Adams/Alistair Steyn-Ross) that David Wiltshire (University of Canterbury) be elected Vice President. *Carried.*

Moved: (Geoff Wilmott/Haggis Henderson) that Denis Burchill (University of Auckland) be elected Secretary. *Carried.*

General Business:

- **Moved:** (Haggis Henderson/Samy Nayagar) a vote of thanks to the previous office holders. *Carried by acclamation.*
- The RSNZ has undergone some restructuring and is moving from an “old boys network”. They are now polling constituent organisations (such as the NZIP) to recommend real experts as consultants rather than shoulder tapping people they know.
- Denis will suggest that the 2016 SCICON organizing committee investigate holding a firewalk organized by John Campbell.
- Venue for the next NZIP is still to be determined

Meeting ended at 3:10 pm

New Zealand Institute of Physics, AGM 2015

Treasurer's Report

Financial Year May 2014 - April 2015.

I attach the financial report for the last financial year. Please note the following:

1. The NZIP reporting year is from 1 May – 30 April. The accounts presented here are for the period 1 May 2014 – 30 April 2015.
2. NZIP is responsible for the accounts of the International Year of Light (IYOL) activities in NZ. The IYOL account is a sub-account of NZIP. I therefore also present the accounts for IYOL on the same document.
3. The subscription income for 2015 is higher than in previous years. This is because the membership invoices for the 2014 year were sent out late, meaning that many subscription payments fell in the 2015 financial year. However, the income is not as high as it should be. Although the 2015 invoices were sent out in early January, a significant fraction of the NZIP membership had still not paid by the end of April. Following a reminder letter, much of this income has now been collected, but it will appear in the 2016 financial year.
4. There continue to be a large number of mistakes made with payment of subscriptions. In particular, fees intended for the NZIP Education Section are frequently paid in error to NZIP, requiring action to correct. I would suggest we are clearer on our invoices where money should be paid, and I ask members to check carefully when making payments that they do so to the correct account.
5. Our main expense is to Conferences and Events Ltd for managing our membership list. We pay \$625 (ex GST) a month. Thus the majority of the income from subscriptions is used to manage the subscription process, and, given points 3 and 4 above, not without problems.
6. We continue to sponsor school prizes in the form of book tokens. We have also sponsored the Otago science fair, the AMN7 conference, and assisted students to attend the KOALA conference in Australia.
7. We have provided Conferences and Events Ltd \$5000 by way of seed funding for the 2015 Conference. This will be returned to us once the accounting for the conference is complete.
8. The accounts have not yet been audited.
9. The net financial position of NZIP has declined in recent years. Fees have not increased since I joined in 2005. Current rates are: Fellow \$75, Member \$60, Retired and Student \$25, Company \$225. I would propose an approximately 15% increase in membership rates, to: Fellow \$90, Member \$70, Retired and Student \$30, Company \$250 (inclusive of GST). This should bring in about 2k of extra income a year, which is sufficient for increasing support to NZIP's core activities. However, along with this NZIP has the responsibility for providing an increased service to its members.
10. I am happy to continue to serve as treasurer for another year (to the end of April 2016), if the membership of NZIP wishes. At that point I would wish to hand over to another and would work to ensure that the handover is completed smoothly and completely.

The New Zealand Institute of Physics Incorporated (Society Number 224890)
Financial Statement
Year ending 30 April 2015. GST exclusive

	NZIP main	IYOL	2014	2013
Revenue	2015			
Subscriptions	16145.47		4413.48	11959.50
Interest	817.42	1.67	796.74	804.38
refund/return from Conference	0.00		0.00	0.00
Others	1695.65		34.78	0.00
IYOL sponsorship		3927.67		
IYOL transfer from NZIP		2000.00		
Total Income	18658.54	5929.34	5245.00	12763.88
Expenses				
Bank fees	240.90		261.50	227.60
RSNZ Subscription	1704.00			1665.66
Refund of subscriptions	104.35		52.17	1202.75
Conf and events fees membership	8253.40		9117.02	6507.02
Transfer to IYOL for startup	2000.00			
Schools and prizes	1125.00		465.00	2481.00
Sponsorship	1950.00		2007.82	1100.00
Website design				
Dan Walls medal				254.15
Conference Costs	6695.65		10157.55	
Penalties from IRD				184.25
NZIPES	1739.13		400.00	
Depreciation on fixed assets				
Others	322.52		43.48	74.29
Total expenses	24134.95	0.00	22504.54	13696.72
Net surplus/deficit	5476.41	5929.34	17259.54	932.84
Summary of accounts				
Current account	4801.92		6062.20	20831.18
Conference account	2902.12		7883.48	12792.86
IYOL account		6518.49		
Term deposits	23330.69		22539.83	21832.49
Accounts receivable	5000.00		612.29	170.54
Accounts payable	1072.22	589.15	688.86	1909.30
Fixed assets	0.00		0.00	0.00
Financial position as of 30 April	34962.51	5929.34	36408.94	53717.77

Notes for 2015

2015 plus some late 2014 ones

RSNZ sponsorship for conference incorrectly paid to us - passed to C&E under 'Conference costs' plus a conf reg fee paid to us directly

Two years worth
 Those paid in error to us
 For membership services

e.g. Book tokens
 Otago science fair 250 , AMN7 (MacDiarmid) conference 1000 , KOALA conference 700

5k seed funding to C&E, 1304.35 passed on from RSNZ, 391.30 a conf reg fee incorrectly paid to us.

Transfers for wrongly paid fees.

316.52 M Wilson expenses, 6 book token postage

Black is surplus, red is deficit

5000 for conference seeding owing from C&E

USD800/0.758 for APS fees 2012-2015. We have no mechanism to pay overseas invoices. Plus 589.15 and 16.81 GST owed to IRD from IYOL and NZIP

NZIPES: New Zealand Institute of Physics - Education Section

Report for NZIP AGM of July 2015

Executive:

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

Committee Members:

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

NZIPES Goals:

- To continue to offer the usual services such as Year 11, 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 2014-15:

- Successful completion of examinations for 2014 and 2015
- 2014 and 15 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. Well 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 full review of internal standards has now occurred. Relevant adjustments have been made where appropriate
- In 2015 a large number of new assessment resources have been added for the internal physics standards

IYPT

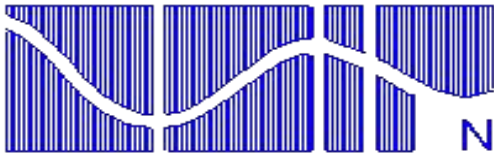
We continue to support the International Young Physicists' Tournament through a significant financial sponsorship. We are looking to expand our support in the future.

NZ Physics Teachers' Resource Bank

We have been asked to take responsibility for the above resource. Its original developer (VUW SCPS) are supportive of the move to bring this wonderful resource under the banner of NZIP. We are working with Howard Lukefahr to fully integrate the content under the existing NZIP website. Significant progress has been made. We will also be supporting the future development of the resource by funding the development of more local content. A draft site should be available for viewing at this conference.

NZQA

We continue to attempt to ensure that our assessment resources align closely with the requirements of NZQA. Recently the nucleus of the physics moderation team was replaced. The close links between NZIPES and NZQA no longer exist. NZIPES is very closely monitoring the situation to ensure that we provide high quality resources for teachers. Notwithstanding this we are also committed to ensuring that the NZQA are made aware of the views of the physics community in terms of the processes around assessment and moderation in general.



Income and Expenditure Report
For the year ended 30 April 2015

	2015	2014
	\$	\$
Income		
NZIPES Subscriptions	24985	26,852
Interest Income	1362	1,566
ACC refund	0	0
Total Income	\$26,348	\$28,419
	\$	\$
Less: Expenditure		
ACC	0	0
Accounting Fees	7500	8,837
Visa payment	0	0
Bank & Credit Card Fees	569	216
GST	2620	2,081
Printing, stationery and tolls	0	0
Payments to Contractors for Assessment Tasks	10801	12,027
IYPT NZ Tournament Sponsorship	2000	0
Conference Expenses	0	993
PAYE	4972	4,877
Website Costs	203	100
Total Operating Expenses	\$ 28,665	\$29,130
NET PROFIT/(LOSS)	(\$2,317)	(\$711)

NB: This report has been prepared on a cash basis to 30 April 2015



New Zealand Institute of Physics

EDUCATION SECTOR

Balance Sheet
For the year ended 30 April 2015

	GST Exclusive	
	2015	2014
	\$	\$
Current Assets		
Current Account	\$11,438.54	\$10,486.04
Resources Account	\$58,490.06	\$60,802.50
Fixed Assets		
Term Deposit	\$54,563.54	\$53,285.79
Total Assets	\$124,492.14	\$124,574.33
Less: Current Liabilities		
GST Liability	\$1,880.38	\$2,975.00
Total Current Liabilities	\$1,880.38	\$2,975.00
NET ASSETS	\$122,611.76	\$121,599.33

NB: This report has been prepared on a cash basis to 30 April 2015