

NZSA Executive Committee Meeting

1-2pm Monday 20 October 2014

Draft Agenda

Apologies: Jennifer Brown, Ian Westbrooke, Steffen Klaere, Carl Scarott, Kylie Maxwell
Present: James Curran, Beatrix Jones, Howard Edwards, Harold Henderson, John Haywood, Martin Hazelton, Vanessa Cave, Alain Vandal, Alasdair Noble, Richard Penny, Peter Smith, Thomas Yee

Meeting began 1:00PM

1. Minutes of the Previous Meeting (see website) accepted.
2. President's Report (James Curran)
3. Correspondence (Beatrix Jones) Mailbox Key. John Haywood to old primary key, Howard Edwards secondary key.
4. Financial Report (Howard Edwards) James needs to register his signature and sign "minutes" related to transfer of signature authority over the accounts. Incoming signatories also registering their signatures; final item requires a form to be passed among all incoming account signatories for their signature.

Howard to set meeting with Judi to retrieve two boxes of files, hopefully get briefing on treasurers primary tasks (financial reports to exec, year end report, charities commission filing).

5. Membership (Harold Henderson) See attached. New members approved.
6. ANZJS

6.1. Management (Alain Vandal) see document circulated by Alain

Question of availability of print subscription (as opposed to individual digitally printed copies from Wiley) to be voted on at AGM; Survey of members to be conducted before that (Alain and James to formulate questions).

Ian Westbrooke to lead Working party to look at open access model; agenda item for discussion at AGM.

Vanessa to find out about the technical aspects of having a secure site with login on our website, for journal access (possibly among other things); and if our ISP can give us mailing list capabilities (for distribution of journal contents).

6.2. Editorial (Martin Hazelton) see attached

7. 2014 Conference (John Haywood) roughly 90 abstract submissions (close Wednesday). Stats education event to follow on Wed. afternoon.
8. Newsletter (Steffen Klaere) Hopefully to come out before Wellington meeting. Contributions from Massey, Victoria, Waikato still wanted.
9. Awards (James Curran) Reasonable number of nominations for our major awards.
10. Education/Science Fairs (Alasdair Noble) See attached.
11. R Groups (John Haywood) AGM item around convenor to represent these groups on the exec; John/James/Beatrix to discuss ahead of time.
12. Website (Vanessa Cave) Committee reports for AGM to Vanessa.
13. Local Groups

13.1. Wellington Group (John Haywood) Business as usual--several talks over the last few months.

14. Young Statisticians: Event Monday night at Wellington conference

15. Other Business: None

Meeting closed 1:55PM

ANZJS Report October 2014

ANZJS Editors

Managing Editor: Alan Welsh (ANU)

Theory & Methods Editors: Martin Hazelton (Massey U.) and Michael Martin (ANU)

Applications Editor: James Curran (U. Auckland)

Book Review Editor: Petra Graham (Macquarie U.)

Technical Editor: Rolf Turner (U. Auckland)

Journal Issue Sizes

Some of the earlier 2014 issues of the journal were on the short side, but a number of accepted papers are working their way through the system, and should result in a relatively large December issue. The journal should come close to meeting its intended annual page count.

Renewal of Publishing Contract with Wiley

The Management Committee has canvassed opinions on whether the publishing contract with Wiley should be renewed, and if so for what period. The Management Committee met recently to discuss the issue.

Managing Editor

Alan Welsh has indicated his intention to stand down as Managing Editor at some point in 2015. The Editors have begun to discuss possible replacements that could be recommended to the Management Committee.

Martin Hazelton

10 Oct 2014

NZSA Membership Report 20 October 2014

New members since 30 July 2014

Motion: That the following be elected as members of the NZSA by the Executive

Ordinary members

Courtney Jones
Bingbing Liu
Robert Prendergast
Richard Vale

Students

Naeimeh Abi
Katie Ward-Allen
Georgia Miskell

Moved: Harold Henderson/James Curran

Membership

Membership at **20 October 2014** is **404**, with changes since **30 July 2014** in parentheses:

	NZ	overseas	
Ordinary	269 (1)	25 (-1)	
Student	62		
Retired	15 (-1)	4	
Honorary	16		
SSA member	5	6	
Corporate	2		
	369	35 (-1)	404 (-1)

8 have resigned (or died), and 7 have joined. (Some may have also moved categories.)

Corporate members: SAS Australia and New Zealand, Statistics NZ.

“Online only”

197 (**50%**) of the 393 NZSA-only members have elected “online only” for the journal. (SSAI had 78% of their 695 members in January 2014 “online only”.)

Subs

2013 AGM set base rate for subs 1 April 2014 - 31 March 2015 at \$80 (unchanged from last year):

\$NZ	NZ	Overseas
Ordinary	80	85
Student & Retired	40	45
No paper journal (electronic only)	-5	
SSAI Member	50	55
Student and retired half base rate		
Overseas add \$5 for newsletter postage		
SSAI Member rate depends on capitation fee		

Harold Henderson

NZSA Education Committee: Newsletter item: Sept 2014

Mike Camden

We keep growing

We're still here, still meeting bi-monthly, and at present have 24 members on the email list. This includes several people with their feet firmly on the floors of their classrooms. Our focus is on all the teaching, learning, and assessment for statistics in schools.

Curriculum and assessment

We gather that NZ is not only ahead of most of the world with the curriculum's statistics contents. We're also ahead with the tricky business of assessing it. Last year was a milestone year for this: the last of the new NCEA achievement standards in statistics, for Level 3, went into use for the first time. We aim to smooth the path for teachers, wherever we can.

The Ministry of Education has just kicked off its Review And Maintenance Programme: 'for curriculum, learning, and NCEA achievement'. The Ministry has arranged for us to engage in this process, and work has begun. RAMP will review all NZ's existing materials and also international research, for all the learning areas of the curriculum. The review gets going this year, with Maths and Stats, and Science, being the first to start.

Some specifics

We're working on plenty of fascinating issues. Here are some of our current interests.

Last year's crop of NCEA examinations: we're impressed at how the examiners are incorporating a statistical thinking approach, and we intend to give some detailed feedback.

Ethical issues in experiments and surveys: we'd like to help teachers to guide their students into good practice when they perform or analyse experiments and surveys. Here's our piece on this: <http://new.censusatschool.org.nz/2014/09/19/values-ethics-and-statistical-experiments/>

Growth in use of background context information in assessments: some students put large amounts of writing into this. We'd like to assure that the effort is reasonable, and we're considering on some guidelines.

Datasets for use in assessment: teachers need to provide datasets in assessments, and need to be able to ensure authenticity of student work. How fresh do datasets need to be? Again, we're working on some guidelines.

Sampling: sampling from an existing dataset has some point in the teaching world, but not outside it. Yes, we're working on some guidelines.

The Bring Your Own Devices (BOYD) direction: this is happening for schools. We can't ignore it, or its use in teaching, learning, and assessment. But students can't get all the programs they need on these devices.

ASTTLE testing: we're aware that this system is lagging behind the curriculum, and we'd like to help it move.

Stats in primary and intermediate: we'd like to put some of our energy into this.

Conferences with NZ teacher involvement: last year's NZ Association of Maths Teachers conference, NZAMT13, had several of our committee members on its organising team. Statistics had a good presence, and committee members organised a forum, where teachers stated some strong and pretty unanimous views about their needs. They are summarised at

<http://new.censusatschool.org.nz/2014/06/06/statistics-forum-nzamt-2013-statistics-education-what-resources-do-we-need/>. Also, we're impressed by the teacher-friendly sessions at our NZSA conference in Hamilton last November.

Conferences in statistical education: we look forward to reports from the many NZers who were at ICOTS9, in July this year, at Rio. ICOTS3 was in Dunedin in 1990, and moved statistical education in this country along nicely. A test for readers: what's the frequency of ICOTS conferences?

Free software: NZ seems to be a hotbed, with: iNZight and VIT (Visual Inference Tools) from Auckland (<https://www.stat.auckland.ac.nz/~wild/iNZight/>, <https://www.stat.auckland.ac.nz/~wild/VIT/index.html>); Genstat for teaching and learning, with supporting 'lessons', coming via Otago (<http://www.maths.otago.ac.nz/video/statistics/GenStatLessons/>); CAST from Massey of course (http://cast.massey.ac.nz/collection_public.html); and a new player: Jake Wills, with NZGrapher: <http://www.jake4maths.com/grapher/>.

Science fairs: along with Stats NZ, we're still supporting stats prizes, and finding judges.

ISLP (International Statistical Literacy Project) poster competition: we hope for a good response from NZ students here.

Archiving of committee records: we're producing a limited edition of 20 CDs with the committee's deepest thoughts, from 1999 to now.

The ever-present underlying issue: the ongoing need for professional development in the teaching of statistics.

Doing research that matters: A success story from statistics education

In August this year, the New Zealand Council for Educational Research published a report by Rose Hipkins, titled as above. It analyses 2 major recent projects that involved several members of the committee and others from the statistical education community:

- *Building students' inferential reasoning: Statistics curriculum levels 5 and 6 Statistics: It's reasoning, not calculating*; see <http://www.tlri.org.nz/tlri-research/research-completed/school-sector/building-students-inferential-reasoning-statistics>
- *'Bootstrapping' students' understanding of statistical inference*; see <http://www.tlri.org.nz/tlri-research/research-completed/post-school-sector/bootstrapping-statistical-inferential-reasoning>

The *NZ Curriculum* is out in front in terms of its methods of making inference intelligible. These projects used the 'scholarship in practice' approach not only to

research how students think, but to advance teaching methods and software tools to help them think. Rose concludes:

The projects featured in this first TLRI Project Plus report were chosen because they have been so successful in generating powerful new knowledge about New Zealand students' statistical reasoning, and for having a positive impact on the teaching and learning of that reasoning in our schools. My aim in developing this synthesis was to generate insights that might support further strong design work in future TLRI projects while celebrating the success of selected work already completed.

The concept of scholarship in practice has provided a strong theoretical framework within which to document and organise the complex nature of the activities that took place within the two featured projects. More than this, the six criteria for scholarship in practice have provided an explanatory framework that can account for the power and impact of these two projects. The model has been useful for interrogating judgement calls, such as when it is appropriate to develop resources as part of a project, how and why project participants might get involved in policy-related activities, and how best to leverage the partnership requirement so that everyone involved in the project learns something.

The report is at <http://www.tlri.org.nz/about-tlri/news-archive/doing-research-matters>.

ALSO:-

Plans for stat ed session at the conference see John Haywood's description.

Also there are a number of planned special sessions, including an afternoon on Statistical Education issues following on from the main conference (Wed 26 November).

Note sent to 4 regional Maths Assocs (Wgtn Wairarapa Manawatu Nelson). 6 stat ed offers so far.

MoE's RAMP review (Review and Maintenance Programme (all subjects)). The real advisory group has had 2 meetings, For the first, I got and commented on draft minutes, and was asked to keep the draft here. It all seems to be on track and sensible. Second 2day meeting was last week. Have not heard from them. Pip and Derek are on it. My short conclusion: Several really positive things happened: we stated interest in the process; MoE responded by inviting a rep onto their email group; NZSA did this (Mike Camden, thanks). The group seem to be taking a thorough and well-thought approach, with a set of penetrating questions about the existing resources. Also... Geoff Gibbs has an abstract on RAMP submitted to the conference.