

NEW ZEALAND MATHEMATICAL SOCIETY

TREASURER'S REPORT for the AGM, December 2020

1. 2019 FINANCIAL STATEMENT AND AUDIT

The financial statements for the year ended 31 December 2019 were audited by Nirmala Nath, School of Accountancy, Massey University and then filed with the Charities Commission in August 2020.

2. 2020 ACCOUNTS

Here is a brief summary of financial activity to 22 November 2020 with comparative figures for the full year 2019. All amounts are exclusive of GST. See the notes on the next page for explanation.

	<i>2020 to date</i>	<i>2020 budget</i>	<i>2019 actual</i>
<i>Income</i>			
Subscriptions	9,927	12,000	11,996
Donations	9,102	7,500	8,455
Interest	4,507	9,000	6,275
Advertising	0	500	450
Total	23,536	29,000	27,176
<i>Expenditure</i>			
Newsletter/website	260	250	100
RSNZ	565	565	565
Audit/accounting Fees	2,200	2,000	2,140
Grants:			
Student	1,500	9,000	5,891
Gloria Olive Award	0	1,000	1,500
Conference grants	2,500	5,000	6,970
Carer support	0	3,000	3,000
Speakers			
Forder/AMS lect	4,686	4,000	0
Butcher-Kalman	0	800	800
Aitken prize	0	500	500
Misc	0	200	130
Total	11,756	27,215	24,272

General Comments

Income:

1. **Subscriptions:** The income from subscriptions is below budget. This is mainly due to the fact that Victoria University of Wellington paid their 2020 subscriptions in 2019. A membership report is available separately.
2. **Donations:** We received a generous donation of \$5000 from the Kalman Trust for 2020 to support student travel, as we have for several years in the past, and will for at least two more years. They also donated an additional \$3,000 to support early career initiatives. Both of these donation amounts remain to be spent this year (see point 4 in Expenditure below).
3. **Interest:** Interest rates are now historically low, which means that the Society has very little income from savings. The only way to deal with this would be by investing some of the money in stocks and shares, which carry risks as well as potential benefits. The NZMS has chosen not to invest in this way in the past. The term deposits are summarised in Section 6.

Expenditure:

1. **Newsletter cost:** The newsletter costs cover the website and newsletter. In 2019 the newsletter has been run without direct cost to the society thanks to the efforts of the editors. There are small website administration costs.
2. **RSNZ Subscription:** The RSNZ subscriptions run from July to June. The 2020 fees paid cover the first half of 2021 as well as the second half of 2020.
3. **Accounting and auditing fees:** We are paid up-to-date on accounting and auditing costs.
4. **Grants:** There has been very little uptake of student grants this year, for obvious reasons. The grant that was paid covers advance travel that was pre-paid. Depending upon future events, we will need to consider how the NZMS can best support students. We will also need to discuss our lack of spending with the Kalman Trust.

We have given support to several conferences for the benefit of New Zealand mathematics, which this year has included the New Zealand Association of Mathematics Teachers, the NZ Maths and Stats Postgraduate Conference, and MathsCraft.
5. The **Gloria Olive** travel grant has not yet been awarded for 2020.
6. Julia Wolf visited as the Forder lecturer, and was well within budget (since the budget accrues over 2 years).

The Society is financially in reasonable health. However the extremely low interest rates are a concern for the future. The lack of support for student travel in 2020 means that we have significantly under-spent compared to budget. This means that we have reserves to support the interests of mathematics in New Zealand.

3. DONATIONS TO NZMS

1. **Gloria Olive:** In 2007 we received a bequest of \$10,000 from the estate of Gloria Olive, a founding member of the NZMS. The income from this bequest partially funds the annual Gloria Olive Student Travel Award. The funds have been tagged and put into a term deposit (03005).

2. **Butcher Kalman:** The Butcher-Kalman Invited Speaker Fund has been set up thanks to generous donations from the Margaret and John Kalman Charitable Trust and from the Mathematical Chronicle Committee. The fund amounts to \$25,919 and is used to sponsor the Butcher-Kalman Invited Speaker each year, who speaks at the NZ Mathematics Colloquium. These funds are in term deposit 03009.

3. **Kalman Trust:** As recorded above, the Kalman Trust continues to support us for \$5000 per annum for student travel, with a commitment to continue to do so for the next 2 years. They also provided an addition \$3,000 in 2020 to support early career researchers. We need to consider how to use this money.

We remain very grateful to a number of members, who regularly donate to the NZMS. Ultimately the main activities of this Society are to fund students to attend mathematical conferences, and to promote and support mathematical activities in New Zealand. Donations from our members this year amounted to over \$1,000. These donations help the Society significantly by providing the freedom to give some funding to almost every student who has applied this year for assistance towards attending a mathematics conference.

4. INVESTMENTS AND OTHER FUNDS

The Society holds the following term deposit funds (at 22/11/2020):

BNZ Term deposit 03002	\$10,038.10, matures 29/04/2023, 2.4% interest
BNZ Term deposit 03003	\$142,508.30, matures 05/07/2021, 3.6% interest
BNZ Term deposit 03005	\$10,000, matures 13/01/2021, 1.65% interest
BNZ Term deposit 03008	\$130,926.58, matures 04/11/2021, 0.85% interest
BNZ Term deposit 03009	\$25,919, matures 10/12/2021, 2.5% interest

Total term deposits \$319,391.98 (at 22 Nov 2020)

The increase in the term deposits for 2020 is due to term deposit 03003, which adds the interest to the principal. This is designed to offset inflation to some extent, although it will not when the new interest rate applies next year. The interest from all the other term deposits goes into the current account. The reduction in interest rates is having an effect on our savings, and is a major concern.

The Society holds the following bank account balances (at 22/11/2020):

BNZ Current a/c	\$29,046.73
Endowment Fund	\$14,381.91

Net Position (at 22 Nov 2020): **\$362,820.62CR**

5. 2021 BUDGET

The following budget is proposed for 2021, based on no changes in subscription fees¹.

	2021	2020 (projected totals)
<i>Income</i>		

NZMS Treasurer's Report for AGM 2020

Subscriptions	11,000	9,927
Donations	7,500	9,102
Interest ²	3,000	4,507
Newsletter Adv	0	0
Total	21,500	23,536

Expenditure

Newsletter/website	250	260
RSNZ	565	565
Accountant/audit fees	2,400	2,244
Grants and awards ³ :		
Student Grants	12,000	1,500
Gloria Olive Award	1,000	0
Carer	3,000	0
Conferences	6,500	3,300
Lecturers ⁴ :		
Future	4,000	0
Forder	0	4,686
Butcher-Kalman	800	800
NZMS Speaker	800	800
ANZMT	500	
Early career support ⁵	3,000	
Aitken prize	500	500
Miscellaneous	100	0
Total	35,415	14,356

1. The NZMS has a policy of reviewing subscription fees every few years. In the light of the current financial environment, I see little reason to change them.
2. Interest income will be very low for the next few years. Members may wish to consider if this is acceptable.
3. I have budgeted to cover some of the shortfall in student grant expenditure from 2020. Of course, there may still be no student travel through a large part of 2021. However, the contingency is covered in this way.
4. More of the speaker expenses that we commit to have been given their own budget lines for clarity.
5. We need to support early career researchers with the money generously donated by the Kalman Trust.

Stephen Marsland
 NZMS Treasurer, 24 November 2020