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This Annual Report of the Mathematical Association of Victoria was presented to the members at the Annual General Meeting held on Thursday, 15 April 2010 at the National Sports Museum, Melbourne Cricket Ground, East Melbourne Victoria

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## **PRESIDENT'S REPORT**

My first year as President been a busy and successful one for the Mathematical Association of Victoria. This success is due to the commitment of a wide range of people who work tirelessly and unheralded throughout the year. I would like to take this opportunity to acknowledge the work of the legion of volunteers who devote their own time to ensure that the MAV offers a wide range of opportunities for the development of mathematics and mathematics education to the community, schools, teachers and students across Victoria and beyond. I would like to thank the members of the Council of the MAV, and the convenors and members of the committees of the Council who have planned and implemented such high quality programs and activities throughout the year.

The MAV's work can be broken down into three broad areas:

- Respond to current issues
- Maintain and develop existing programs
- Prepare for the future

The changing profile of the MAV's work in professional development for teachers has continued in 2009. The professional officers Jennifer Bowden, Sharyn Livy and Ian Lowe have continued to expand their work with the Professional Learning Assistance Team program, across the State, during the year. In addition they have undertaken professional development work for teachers in association with three contracts that were jointly won with RMIT University, Monash University and The Australian Council for Educational Research.

Throughout 2009 the Association was engaged in planning and preparations for the new Australian Curriculum - Mathematics. In May, a planning day was held, with Council and MAV members coming together to examine the implications for the MAV. The planning day focused on what the MAV might be able to contribute to the broader discussions. Each of the committees; Student Activities, Professional Development, Membership Marketing and Communications, Publications – Books and Journals, Early Childhood and Annual Conference, generated ideas relating to the way forward in the light of a National Curriculum.

The MAV worked in partnership with the Australian Association of Mathematics Teachers to plan a national conference scheduled for mid-2010 to examine the support teachers will need in implementing the new curriculum. On 27 August myself and vice-president, Cath Pearn, were invited to a national forum conducted by the Australian Curriculum, Assessment and Reporting Authority in Sydney to review and provide feedback on an early draft of the Mathematics Curriculum.

There has been continual promotion of the MAV as a leading professional teaching voice to the Commonwealth Department of Education, Employment and Workplace Relations, the Victorian Department of Education and Early Childhood Development, the Victorian Curriculum and Assessment Authority, the Victorian Institute of Teaching, the Catholic

Education Office, Independent Schools Victoria, the Australian Mathematical Sciences Institute, universities and other significant kindred organisations.

The financial results for the year ended 31 January 2009 proved of initial concern to the new council in 2009. Considerable attention was focused ensuring a more positive result for the year ending 31<sup>st</sup> January 2010. A number of strategies, mainly focused on membership and the annual conference, assisted by an injection of funds from new professional development work, were put in place and carefully monitored during 2009 to ensure a healthy surplus this financial year. The effectiveness of the strategies can be seen in the end-of-year financial reports.

We are very fortunate at the MAV to have a devoted staff, ably led by our CEO Simon Pryor, who work above and beyond the call of duty in performing their roles and ensuring that our programs are of the highest standard. Thanks go to all who work at the MAV office for the positivity they present in the front line of our work.

As difficult as it is to single people out from all those who contribute to the organisation, I would particularly like to thank the editors of our journals. Sue Gunningham is editor of *Prime Number* and John Gough is the editor of *Vinculum*. Sue and John have ensured that teachers continue to share their views on mathematics teaching and learning as well as providing access to the latest ideas in mathematics education. John retires this year after 16 years as editor of *Vinculum*. What an amazing record this is! On behalf of the MAV I would like to express wholehearted thanks to John for his devotion and the huge amount of time he has dedicated to his work on *Vinculum*. During this year the tremendous popularity of the MAV's public lecture series at the Melbourne Museum continued to grow as a result of the commitment and passion of presenters Marty Ross and Burkard Polster. It is heartening to see standing room only at a mathematics lecture in a large public forum. Marty and Burkard continue to attract an audience ranging from Grandparents to tiny babies.

It has been a pleasure to serve the first year of my presidency of MAV in a community of people with the quality of education for students in our schools at the forefront of their work.

**JEANNE CARROLL**

President

# THE MATHEMATICAL ASSOCIATION OF VICTORIA

A.C.N. 004 892 755

FINANCIAL REPORT  
FOR THE YEAR ENDED  
31 JANUARY 2010

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### Financial Accounts

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Disclaimer of opinion on detailed income  
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Detailed Income Statement

# The Mathematical Association of Victoria

ACN 004 892 755

## DIRECTORS' REPORT

Your directors present this report on the entity for the financial year ended 31 January 2010.

### Directors

The names of each person who has been a director during the year and to the date of this report are:

Ms Linda Baron

Ms Jill Brown

Ms Elizabeth Burns

Dr Jeanne Carroll

Ms Kelly Gallivan

Dr Marj Horne (Appointed 2/4/09)

Ms Nicola McKinnon (Appointed 21/5/09)

Ms Allason McNamara

Ms Elisaveta Mocan (Appointed 7/9/09)

Ms Cath Pearn

Mr Ray Peck (Appointed 26/11/09)

Dr Burkard Polster

Ms Angela Rogers (Appointed 7/9/09)

Mr Mark Sloan (Appointed 21/4/09)

Dr Max Stephens

Dr Peter Sullivan

Mr David Treeby

Mr David Tout

Dr Gaye Williams (retired 2/04/09)

Directors have been in office since the start of the financial year to the date of this report unless otherwise stated.

### Company Secretary

The following person held the position of entity secretary at the end of the financial year:

Dr Max Stephens – University Lecturer

### Principal Activities

The principal activities of the entity during the financial year were the provision of services aimed at promoting mathematics within the community. No significant change in the nature of these activities occurred during the period.

### Operating Results

The operating profit for the year ended 31 January 2010 was \$67,763 (2009 operating loss: \$66,490).

### Dividends Paid or Recommended

No dividends were paid or declared since the start of the financial year. No recommendation for payment of dividends has been made.

### Review of Operations

The results of the operations of the entity during the financial year reflect decisions taken by Directors to further refine the mix of the entity's services within the ongoing framework of strategic planning and priority setting.

# The Mathematical Association of Victoria

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## DIRECTORS' REPORT

### Significant Changes in State of Affairs

No significant changes in the nature of the entity's activity occurred during the financial year.

### After Balance Date Events

No matters or circumstances have arisen since the end of the financial year which significantly affected or may significantly affect the operations of the entity, the results of those operations, or the state of affairs of the entity in future financial years.

### Future Developments

The entity expects to maintain the present status and level of operations and hence there are no likely developments in the entity's operations.

### Environmental Issues

The entity's operations are not regulated by any significant environmental regulation under a law of the Commonwealth or of a state or territory.

### Options

No options over issued shares or interests in the entity were granted during or since the end of the financial year and there were no options outstanding at the date of this report.

### Information on Directors

• Dr Jeanne Carroll	President	Qualifications	University Lecturer
Qualifications	University Lecturer	• Ms Nicola McKinnon	Director
• Ms Elizabeth Burns	Past President	Qualifications	Research Fellow
Qualifications	Teacher	• Ms Elisaveta Mocan	Director
• Ms Jill Brown	Vice President	Qualifications	Teacher
Qualifications	University Lecturer	• Mr Ray Peck	Director
• Ms Cath Pearn	Vice President	Qualifications	Research Fellow
Qualifications	University Lecturer	• Dr Burkard Polster	Director
• Dr Gaye Williams	Vice President	Qualifications	University Lecturer
Qualifications	University Lecturer	• Ms Angela Rogers	Director
• Dr Max Stephens	Secretary	Qualifications	Teacher
Qualifications	University Lecturer	• Mr Mark Sloan	Director
• Ms Allason McNamara	Treasurer	Qualifications	Teacher
Qualifications	Teacher	• Dr Peter Sullivan	Director
• Ms Linda Baron	Director	Qualifications	University Lecturer
Qualifications	Teacher	• Mr David Tout	Director
• Ms Kelly Gallivan	Director	Qualifications	Research Fellow
Qualifications	Teacher	• Mr David Treeby	Director
• Dr Marj Horne	Director	Qualifications	Teacher

# The Mathematical Association of Victoria

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## DIRECTORS' REPORT

### Meetings of Directors

During the financial year, 6 meetings of directors were held. Attendees by each director were as follows:

NAME	MEETINGS ELIGIBLE	MEETINGS ATTENDED
Linda Baron	6	3
Jill Brown	6	3
Elizabeth Burns	6	3
Jeanne Carroll	6	4
Kelly Gallivan	6	2
Marj Horne	4	1
Nicola McKinnon	3	3
Allason McNamara	6	5
Elisaveta Mocan	2	2
Cath Pearn	6	1
Ray Peck	1	0
Burkard Polster	6	3
Angela Rogers	2	2
Mark Sloan	3	3

NAME	MEETINGS ELIGIBLE	MEETINGS ATTENDED
Max Stephens	6	4
Peter Sullivan	6	2
David Tout	6	3
David Treeby	6	2
Gaye Williams	2	0

**The Mathematical Association of Victoria**

**ACN 004 892 755**

**DIRECTORS' REPORT**

**Indemnifying Officers or Auditor**

The company has paid an insurance premium to indemnify the Officers acting in their capacity as officers of the company. During or since the end of the financial year, no other indemnities have been given in relation to the officers of the company.

No indemnities have been given or insurance premiums paid, during or since the end of the financial year, on behalf of the auditor of the company.

**Proceedings on Behalf of the Entity**

No person has applied for leave of Court to bring proceedings on behalf of the entity or intervene in any proceedings to which the entity is a party for the purpose of taking responsibility on behalf of the entity for all or any part of those proceedings.

The entity was not a party to any such proceedings during the year.

**Auditor's Independence Declaration**

The auditor's independence declaration for the year ended 31 January 2010 has been received and can be found on page 9 following the directors' report.

Signed in accordance with a resolution of the Board of Directors.

  
.....  
Director

Dated this 30 TH day of MARCH 2010



**THE MATHEMATICAL ASSOCIATION OF VICTORIA**  
**ACN 004 892 755**

**AUDITOR'S INDEPENDENCE DECLARATION UNDER SECTION 307C OF THE  
CORPORATIONS ACT 2001 TO THE DIRECTORS OF  
THE MATHEMATICAL ASSOCIATION OF VICTORIA**

I declare that, to the best of my knowledge and belief, during the year ended 31 January 2010 there have been:

- i. no contraventions of the auditor independence requirements as set out in the Corporations Act 2001 in relation to the audit; and
- ii. no contraventions of any applicable code of professional conduct in relation to the audit.

*Clements Dunne & Bell*

**Clements Dunne & Bell Partnership**  
**Level 14, 350 Queen Street**  
**Melbourne, Victoria 3000**

*Andrew Wehrens*

**Andrew Wehrens**  
**Partner**

Dated this *31st* day of *January*, 2010.

Clements Dunne & Bell Partnership. Chartered Accountants.

Level 14, 350 Queen Street, Melbourne Victoria 3000 Australia. Telephone (03) 9670 8672. Fax (03) 9670 8673.

[www.cdb.com.au](http://www.cdb.com.au)

**The Mathematical Association of Victoria**

**ACN 004 892 755**

**STATEMENT OF COMPREHENSIVE INCOME FOR THE YEAR ENDED  
31 JANUARY 2010**

	Notes	2010 \$	2009 \$
Revenue	2	1,329,573	1,176,420
Employee benefits expenses		(348,801)	(330,123)
Depreciation and Amortisation expenses		(35,622)	(29,997)
Membership Expenses		(20,399)	(23,805)
Publications and Journals		(132,518)	(136,087)
Annual Conference		(312,617)	(329,423)
Student Activities		(31,736)	(27,961)
Professional Development		(134,288)	(127,627)
Other expenses		<u>(245,829)</u>	<u>(237,887)</u>
Profit (Loss) from Ordinary Activities before Income Tax		67,763	(66,490)
Income Tax Expense	1 (i)	-	-
Profit (Loss) for the Year		<u>67,763</u>	<u>(66,490)</u>
Net gain on revaluation of non-current asset		2,474	360,862
Other comprehensive income for the year, net of tax		-	-
Total comprehensive income/ (loss) for the year		<u>70,237</u>	<u>294,372</u>
Total comprehensive income/ (loss) Attributable to Members of the Entity		<u>70,237</u>	<u>294,372</u>

The accompanying notes form part of the financial statements.

**The Mathematical Association of Victoria**

**ACN 004 892 755**

**STATEMENT OF CHANGES IN EQUITY  
FOR THE YEAR ENDED 31 JANUARY 2010**

	<b>Revaluation Reserve \$</b>	<b>Retained Profit \$</b>	<b>Total Equity \$</b>
Balance at 31 January 2008	454,056	490,470	944,526
Loss attributable to the company	-	(66,490)	(66,490)
Revaluation increment	360,862	-	360,862
Balance at 31 January 2009	814,918	423,980	1,238,898
Profit attributable to the company	-	67,763	67,763
Revaluation Increment	2,474	-	2,474
Balance at 31 January 2010	<u>817,392</u>	<u>491,743</u>	<u>1,309,135</u>

The accompanying notes form part of the financial statements.

# The Mathematical Association of Victoria

ACN 004 892 755

## STATEMENT OF FINANCIAL POSITION AS AT 31 JANUARY 2010

	Notes	2010 \$	2009 \$
<b>CURRENT ASSETS</b>			
Cash and cash equivalents	4	129,870	203,604
Trade and other receivables	5	223,991	204,871
Other current assets	6	7,675	3,229
Inventories	7	58,011	62,542
<b>TOTAL CURRENT ASSETS</b>		<b>419,547</b>	<b>474,246</b>
<b>NON CURRENT ASSETS</b>			
Property, Plant and Equipment	8	1,165,875	1,212,433
Intangibles	9	46,761	-
<b>TOTAL NON CURRENT ASSETS</b>		<b>1,212,036</b>	<b>1,212,433</b>
<b>TOTAL ASSETS</b>		<b>1,631,583</b>	<b>1,686,679</b>
<b>CURRENT LIABILITIES</b>			
Trade and other payables	10	157,263	275,037
Income received in advance		129,367	138,361
Provisions	11	35,818	34,383
<b>TOTAL CURRENT LIABILITIES</b>		<b>322,448</b>	<b>447,781</b>
<b>TOTAL LIABILITIES</b>		<b>322,448</b>	<b>447,781</b>
<b>NET ASSETS</b>		<b>1,309,135</b>	<b>1,238,898</b>
<b>EQUITY</b>			
Reserves		817,392	814,918
Retained Profits		491,743	423,980
<b>TOTAL EQUITY</b>		<b>1,309,135</b>	<b>1,238,898</b>

The accompanying notes form part of the financial statements.

# The Mathematical Association of Victoria

ACN 004 892 755

## STATEMENT OF CASH FLOWS FOR THE YEAR ENDED 31 JANUARY 2010

	Notes	2010 \$	2009 \$
<b>Cash Flows from Operating Activities</b>			
Receipts from Customers, members and grants		1,294,447	1,023,968
Payments to Suppliers and Employees		(1,342,442)	(1,036,512)
Interest Received		4,636	9,800
<b>Net Cash from Operating Activities</b>		(43,359)	(2,744)
<b>Cash Flow from Financing Activities</b>			
<b>Net Cash used in Financing Activities</b>		-	-
<b>Cash Flows from Investing Activities</b>			
Proceeds on sale of Plant and Equipment		4,744	-
Payment for Plant and Equipment		(4,030)	(23,051)
Payment for Software		(31,089)	(14,707)
<b>Net Cash used in Investing Activities</b>		(30,375)	(37,758)
Net increase / (Decrease) in Cash Held		(73,734)	(40,503)
Cash at the Beginning of the Financial Year		203,604	244,107
<b>Cash at the End of the Financial Year</b>		129,870	203,604

### NOTE TO THE STATEMENT OF CASH FLOWS

#### Reconciliation of cash flow from operations with loss after income tax

Operating Profit/(Loss) after Income Tax	67,763	(66,490)
Depreciation and Amortisation	35,622	29,997
Profit on Sale of Fixed Assets	(2,375)	-
Changes in Assets and Liabilities:		
- (Increase) / Decrease in Trade and Other Receivables	(19,120)	(102,438)
- (Increase) / Decrease in Prepayments	(4,446)	2,035
- Decrease / (Increase) in Inventories	4,531	9,673
- (Decrease) / Increase in Income Received in Advance	(8,995)	(40,214)
- Increase / (Decrease) in Provision	1,435	15,737
- (Decrease) / Increase in Trade and Other Payables	(117,774)	148,956
	(43,359)	(2,744)

The accompanying notes form part of the financial statements.

# The Mathematical Association of Victoria

ACN 004 892 755

## NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 JANUARY 2010

### 1. STATEMENT OF SIGNIFICANT ACCOUNTING POLICIES

#### Note 1: Summary of Significant Accounting Policies

The Directors have prepared the financial statements on the basis that the company is a non-reporting entity because there are no users who are dependent on its general purpose financial reports. These financial statements are therefore a special purpose financial report that has been prepared in order to meet the requirement of the *Corporations Act 2001*.

The financial statements have been prepared in accordance with the mandatory Australian Accounting Standards applicable to entities reporting under the *Corporations Act 2001* and the significant accounting policies disclosed below, which the directors have determined are appropriate to meet the need of members. Such accounting policies are consistent with the previous period unless stated otherwise.

The financial statements have been prepared on the accruals basis and are based on historical costs unless otherwise stated in the notes. The accounting policies that have been adopted in the preparation of this report are as follows:

#### Accounting Policies

##### a. Revenue

- (i) Revenue from the sale of goods is recognised upon the delivery of goods to customers.
- (ii) Revenue from the rendering of a service is recognised upon the delivery of the service to the customers.
- (iii) Grant and Sponsorship revenue is recognised in the income statement when it is controlled. When there are conditions attached to grant revenue relating to the use of those grants for specific purposes it is recognised in the balance sheet as a liability until such conditions are met or services provided.
- (iv) Membership Fees are recognised when invoiced.
- (v) Interest revenue is recognised using the effective interest rate method, which, for floating rate financial assets is the rate inherent in the instrument.

All revenue is stated net of the amount of goods and services tax (GST).

##### b. Inventories

Inventories are measured at cost, adjusted when applicable for any loss of service potential.

# The Mathematical Association of Victoria

ACN 004 892 755

## NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 JANUARY 2010

### 1. STATEMENT OF SIGNIFICANT ACCOUNTING POLICIES (CONT'D)

#### c. Property, Plant and Equipment

Each class of property, plant and equipment is carried at cost or fair values as indicated, less, where applicable, accumulated depreciation and impairment losses.

##### Property

Freehold land and buildings are shown at their fair value determined by the directors from advice and information obtained in relation to local property prices.

Increases in the carrying amount arising on revaluation of land and buildings are recognised in other comprehensive income and accumulated in the revaluation reserve in equity. Decreases that offset previous increases of the same class shall be recognised in other comprehensive income under the heading of revaluation surplus. All other decreases are charged to the statement of comprehensive income.

Any accumulated depreciation at the date of revaluation is eliminated against the gross carrying amount of the asset and the net amount is restated to the revalued amount of the asset.

##### Plant and Equipment

Plant and equipment are measured on the cost basis less depreciation and impairment losses.

The carrying amount of plant and equipment is reviewed annually by directors to ensure it is not in excess of the recoverable amount from these assets. The recoverable amount is assessed on the basis of the expected net cash flows that will be received from the assets employment and subsequent disposal. The expected net cash flows have been discounted to their present values in determining recoverable amounts.

##### Depreciation

The depreciable amount of all fixed assets including buildings and capitalised leased assets, but excluding freehold land, is depreciated on a straight line basis over the asset's useful life to the economic entity commencing from the time the asset is held ready for use.

The depreciation rates used for each class of depreciable assets are:

# The Mathematical Association of Victoria

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## NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 JANUARY 2010

### 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONT'D)

<b>Class of Fixed Asset</b>	<b>Depreciation Rate</b>
Building	2% to 12%
Plant and equipment	12% to 25%
Furniture and Fittings	9%

The assets' residual values and useful lives are reviewed, and adjusted if appropriate, at each balance sheet date.

An asset's carrying amount is written down immediately to its recoverable amount if the asset's carrying amount is greater than its estimated recoverable amount.

Gains and losses on disposals are determined by comparing proceeds with the carrying amount. These gains or losses are included in the income statement. When revalued assets are sold, amounts included in the revaluation reserve relating to that asset are transferred to retained earnings.

#### **d. Financial Instruments**

##### **Initial recognition and Measurement**

Financial assets and financial liabilities, are recognised when the entity becomes a party to the contractual provisions of the instrument.

For financial assets, this is equivalent to the date that the company commits itself either to purchase or sell the asset (i.e. trade date accounting is adopted).

Financial instruments are initially measured at fair value plus transactions costs except where the instrument is classified at fair value through profit or loss in which case transaction costs are expected to profit or loss immediately.

##### **Classification and Subsequent Measurement**

Financial instruments are subsequently measured at either fair value, amortised cost using the effective interest rate method or cost. *Fair Value* represents the amount for which an asset could be exchanged or a liability settled, between knowledgeable, willing parties. Where available, quoted prices in an active market are used to determine fair value. In other circumstances, valuation techniques are adopted.

# The Mathematical Association of Victoria

ACN 004 892 755

## NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 JANUARY 2010

### 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONT'D)

*Amortised cost* is calculated as:

- (i) the amount at which the financial asset or financial liability is measured at initial recognition;
- (ii) less principal repayment;
- (iii) plus or minus the cumulative amortisation of the difference, if any, between the amount initially recognised and the maturity amount calculated using the *effective interest method*; and
- (iv) less any reduction for impairment.

The *effective interest method* is used to allocate interest income or interest expense over the relevant period and is equivalent to the rate that exactly discounts estimated future cash payment or receipts (including fees, transaction costs and other premiums or discounts) through the expected life (or when this cannot be reliably predicted, the contractual term) of the financial instrument to the net carrying amount of the financial asset or financial liability. Revisions to expected future net cash flows will necessitate an adjustment to the carrying value with a consequential recognition of an income or expense in profit or loss.

*(i) Financial assets at fair value through profit or loss*

Financial assets are classified at fair value through profit or loss when they are held for trading for the purpose of short term profit taking, or where they are derivatives not held for hedging purposes, or designated as such to avoid an accounting mismatch or to enable performance evaluation where a group of financial assets is managed by key management personnel on a fair value basis in accordance with a documented risk management or investment strategy. Such assets are subsequently measured at fair value with changes in carrying value being included in profit and loss.

*(ii) Loans and receivables*

Loans and receivables are non-derivative financial assets with fixed or determinable payments that are not quoted in an active market and are subsequently measured at amortised cost.

*(iii) Held-to-maturity investments*

Held-to-maturity investments are non-derivative financial assets that have fixed maturities and fixed or determinable payments, and it is the company's intention to hold these investments to maturity. They are subsequently measured at amortised cost.

# The Mathematical Association of Victoria

ACN 004 892 755

## NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 JANUARY 2010

### 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONT'D)

#### (iv) Available-for-sale financial assets

Available-for-sale financial assets are non-derivative financial assets that are either designated as such or that are not classified in any of the other categories. They comprise investments in the equity of other entities where there is neither a fixed maturity nor fixed or determinable payments.

#### (v) Financial liabilities

Non-derivative financial liabilities (excluding financial guarantees) are subsequently measured at amortised cost.

#### **Fair value**

Fair value is determined based on current bid prices for all quoted investments. Valuation techniques are applied to determine the fair value for all unlisted securities, including recent arm's length transactions, reference to similar instruments and option pricing models.

#### **Impairment**

At each reporting date, the entity assesses whether there is objective evidence that a financial instrument has been impaired. In the case of available-for-sale financial instruments, a prolonged decline in the value of the instrument is considered to determine whether impairment has arisen. Impairment losses are recognised in the statement of comprehensive income.

#### **Derecognition**

Financial assets are derecognised where the contractual rights to receipt of cash flows expires or the asset is transferred to another party whereby the entity no longer has any significant continuing involvement in the risks and benefits associated with the asset. Financial liabilities are derecognised where the related obligations are either discharged, cancelled or expire. The difference between the carrying value of the financial liability extinguished or transferred to another party and the fair value of consideration paid, including the transfer of non-cash assets or liabilities assumed is recognised in profit or loss.

#### **e. Impairment of Assets**

At each reporting date, the entity reviews the carrying values of its tangible and intangible assets to determine whether there is any indication that those assets have been impaired. If such an indication exists, the recoverable amount of the asset, being the higher of the asset's fair value less cost to sell and value in use, is compared to the

# The Mathematical Association of Victoria

ACN 004 892 755

## NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 JANUARY 2010

### 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONT'D)

asset's carrying value. Any excess of the asset's carrying value over its recoverable amount is expensed to the statement of comprehensive income.

Where the future economic benefits of the asset are not primarily dependent upon on the assets ability to generate net cash inflows and when the entity would, if deprived of the asset, replace its remaining future economic benefits, value in use is depreciated replacement cost of an asset.

Where it is not possible to estimate the recoverable amount of a class of asset, the entity estimates the recoverable amount of the cash-generating unit to which the asset belongs.

Where an impairment loss on a revalued asset is identified, this is debited against the revaluation reserve in respect of the same class of assets to the extent that the impairment loss does not exceed the amount in the revaluation reserve for that same class of asset.

#### f. Employee Benefits

Provision is made for the entity's liability for employee benefits arising from services rendered by employees to Balance Sheet date. Employee benefits expected to be settled within one year together with benefits arising from wages, salaries and annual leave, which may be settled after one year, have been measured at the amounts expected to be paid when the liability is settled plus related on costs. Other employee benefits payable later than one year have been measured at the net present value.

Contributions are made by the entity to an employee superannuation fund and are charged as expenses when incurred.

#### g. Cash and cash equivalents

Cash and cash equivalents include cash on hand, deposits held at-call with banks, other short-term highly liquid investments with original maturities of three months or less, and bank overdrafts.

#### h. Goods and Services Tax (GST)

Revenues, expenses and assets are recognised net of the amount of GST, except where the amount of GST incurred is not recoverable from the Australian Taxation Office. In these circumstances the GST is recognised as part of the cost of acquisition of the asset or as part of an

# The Mathematical Association of Victoria

ACN 004 892 755

## NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 JANUARY 2010

### 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONT'D)

item of expense. Receivables and payables in the Balance Sheet are shown inclusive of GST.

Cash flows are presented in the Cash flow Statement on a gross basis, except for the GST component of investing and financing activities, which are disclosed as operating cash flows.

#### i. Income Tax

No provision for income tax has been raised, as the entity is exempt from income tax under Division 50 of the Income Tax Assessment Act 1997.

#### j. Intangibles

Software is recorded at cost. Software has a finite life and is carried at cost less any accumulated amortisation and impairment losses. It has an estimated useful life of between one and three years. It is assessed annually for impairment

#### k. Provisions

Provisions are recognised when the entity has a legal or constructive obligation, as a result of past events, for which it is probable that an outflow of economic benefits will result and that outflow can be reliably measured.

#### l. Comparative Figures

Where required by Accounting Standards comparative figures have been adjusted to conform with changes in presentation for the current financial year.

#### m. Critical Accounting Estimates and Judgments

The directors evaluate estimates and judgments incorporated into the financial report based on historical knowledge and best available current information. Estimates assume a reasonable expectation of future events and are based on current trends and economic data, obtained both externally and within the company.

#### n. Adoption of New and Revised Accounting Standards

During the current year the company adopted all of the new and revised Australian Accounting Standards and Interpretations applicable to its operations which became mandatory.

The adoption of these standards has impacted the recognition, measurement and disclosure of certain transactions. The following is an

# The Mathematical Association of Victoria

ACN 004 892 755

## NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 JANUARY 2010

### 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONT'D)

explanation of the impact the adoption of these standards and interpretations has had on the Financial Statement of Mathematical Association of Victoria.

#### **AASB 101: Presentation of the Financial Statements**

In September 2007 the Australian Accounting Standards Board revised the AASB 101 and as a result, there have been changes to the presentation and disclosure of certain information within the financial statements. Below is an overview of the key changes and the impact on the company's financial statements.

##### *Disclosure Impact*

*Terminology changes* – The revised version of AASB101 contains a number of terminology changes, including the amendments of the names of the primary financial statements.

*Reporting changes in equity*- The revised AASB 101 requires all changes in equity arising from transactions with owners, in their capacity as owners, to be presented separately from non-owner changes in equity. Owner changes in equity are to be presented in the statement of changes in equity, with non-owner changes in equity presented in the statement of comprehensive income. The previous version of AASB 101 required that owner changes in equity and other comprehensive income be presented in the statement of changes in equity.

*Statement of comprehensive income* – The revised AASB 101 requires all income and expenses to be presented in either one statement, the statement of comprehensive income, or two statements, a separate income statement and a statement of comprehensive income. The previous version of AASB 101 required only the presentation of a single income statement.

The company's financial statements now contain a statement of comprehensive income.

*Other comprehensive income*- The revised version of AASB 101 introduces the concept of 'other comprehensive income' which comprises of income and expenses that are not recognised in a profit or loss as required by other Australian Accounting Standards. Items of other comprehensive income are to be disclosed in the statement of comprehensive income. Entities are required to disclose the income tax relating to each component of other comprehensive income. The previous version of AASB 101 did not contain an equivalent concept.

# The Mathematical Association of Victoria

ACN 004 892 755

## NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 JANUARY 2010

### 1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONT'D)

#### **o. New Accounting Standards for Application in Future Periods**

The AASB has issued new and amended accounting standards and interpretations that have mandatory application dates for future reporting periods. The company has decided against early adoption of the standards. A discussion of those future requirements and their impact on the company follows:

- AASB 2008-5: Amendments to Australian Accounting Standards arising from the Annual Improvements Project (applicable for annual reporting periods commencing from 1 January 2009) and AASB 2008-6: Further Amendment to Australian Accounting Standards arising from the Annual Improvements Project (applicable for annual reporting periods commencing from 1 July 2009).
- AASB 2009-4: Amendments to Australian Accounting Standards arising from the annual Improvements Project [AASB 2 and AASB 138 and AASB Interpretations 9 & 16] (applicable for annual reporting periods commencing from 1 July 2009) and AASB 2009-5: Further Amendments to Australian Accounting Standards arising from the Annual Improvements Project [AASB 5, 8, 101, 117, 118, 136 & 139] (applicable for annual reporting periods commencing from 1 January 2010).

These standards detail numerous non-urgent but necessary changes to accounting standards arising from the IASB's annual improvements project. No changes are expected to materially affect the company.

- AASB 2009-7: Amendments to Australian Accounting Standards [AASB 5, 7, 112, 136 & 139 and Interpretation 17] (applicable for annual reporting periods commencing on or after July 1 2009).

This Standard reflects editorial changes made to a number of accounting standards by the IASB. No changes are expected to materially affect the company.

- AASB Interpretation 18: Transfers of Assets from Customers (applicable for transfers of assets from customers received from 1 July 2009).

This guidance applies prospectively to entities that receive transfers of assets, such as plant and equipment, from their customers so that these customers can be connected to a network and provided with access to a supply of goods or services. The Interpretation outlines the appropriate accounting treatment in respect of such transfers and is not expected to impact the company.

The company does not anticipate the early adoption of any of the above reporting requirements

# The Mathematical Association of Victoria

ACN 004 892 755

## NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 JANUARY 2010

	2010	2009
	\$	\$
<b>2. REVENUE OPERATING ACTIVITIES</b>		
Membership Fees	257,563	259,254
Seminars and Conferences	451,443	378,572
Talent and Student Activities	33,360	41,588
Publications and Solutions	187,877	205,039
Professional Development	309,397	154,153
Grants and Sponsorships	63,166	113,824
	1,302,806	1,152,430
Non-operating Revenue:		
Interest	22,696	9,800
Miscellaneous	4,636	14,190
	1,330,138	1,176,420
<b>3. PROFIT FROM OPERATING ACTIVITIES</b>		
Profit from operating activities after charging:		
Depreciation of:		
- Buildings	5,720	5,318
- Furniture, Fittings and Equipment	12,196	8,963
Amortisation – Software	17,706	15,715
Auditors Remuneration:		
- Auditing the Accounts	6,350	5,000
- Other Services	1,750	-
Provision for Long Service Leave	(991)	15,738
<b>4. CASH AND CASH EQUIVALENTS</b>		
Cash at Bank	129,370	203,204
Cash on Hand	500	400
	129,870	203,604
<b>5. TRADE AND OTHER RECEIVABLES</b>		
Trade Accounts Receivables	223,991	204,871
Less Provision for Doubtful Debts	-	-
	223,991	204,871

# The Mathematical Association of Victoria

ACN 004 892 755

## NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 JANUARY 2010

	2010 \$	2009 \$
<b>6. OTHER CURRENT ASSETS</b>		
Prepayments	7,675	3,229
<b>7. INVENTORIES</b>		
Publications	58,011	62,542
<b>8. PROPERTY, PLANT AND EQUIPMENT</b>		
Freehold Land At Directors Valuation 15 <sup>th</sup> August 2008	967,392	964,918
Building At Cost	319,002	316,093
Accumulated Depreciation	146,394	(140,666)
	172,608	175,427
	1,140,000	1,140,345
Plant, Equipment, Furniture and Fittings- at cost	261,248	261,960
Accumulated Depreciation	235,973	226,152
	25,275	35,808
	1,165,275	1,176,153
<p>As at 18<sup>th</sup> August 2009 the Directors valued the entity's property at 61 Blyth Street, Brunswick at \$1,140,000. The Directors when considering the revaluation took into account local real estate market prices.</p>		
<b>9. INTANGIBLE ASSETS</b>		
<b>Software:</b>		
At cost	119,084	87,995
Accumulated Amortisation	72,323	54,617
	46,761	33,378

# The Mathematical Association of Victoria

ACN 004 892 755

## NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 JANUARY 2010

	2010	2009
	\$	\$
<b>10. TRADE AND OTHER PAYABLES</b>		
Trade Creditors	67,448	188,943
Employee Benefits – Annual Leave	45,978	37,070
GST Payable	24,160	17,457
Accrued Expenses	12,982	23,302
Other Liabilities	6,695	8,265
Sundry Creditors and Accruals	<u>157,263</u>	<u>275,037</u>

### 11. PROVISIONS

#### Current:

Employee Benefits – Long Service Leave	35,818	34,383
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### 12. Events after the Balance Date

There were no events after the balance date that should be brought to account in the financial report at 31<sup>st</sup> January 2010.

### 13. Entity Details

The registered office and principal place of business of the company is:

Cliveden  
61 Blyth Street  
BRUNSWICK VIC 3056

### 14. Members' Guarantee

The entity is incorporated under the Corporations Act 2001 and is a company limited by guarantee. If the company is wound up, the constitution states that each member is required to contribute a maximum of \$20 each towards meeting any out-standings and obligations of the company. At 31 January 2010 the number of members was 1,457.

**The Mathematical Association of Victoria**

**ACN 004 892 755**

**DIRECTORS' DECLARATION**

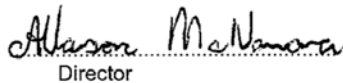
The directors have determined that the company is not a reporting entity and that these special purpose financial statements should be prepared in accordance with the accounting policies described in Note 1 to the financial statements.

The directors of the company declare that:

- (a) The accompanying financial statements and notes are in accordance with the Corporations Act 2001 and
  - i) comply with Accounting Standards; and
  - ii) give a true and fair view of the financial position as at 31 January 2010 and of the performance for the year ended on that date in accordance with the accounting policies described in Note 1 of the financial statements; and
- (b) In the directors opinion there are reasonable grounds to believe that the company will be able to pay its debts as and when they become due and payable.

This declaration is made in accordance with a resolution of the Directors

  
Director

  
Director

Dated this 30TH day of MARCH 2010



**INDEPENDENT AUDITOR'S REPORT  
TO THE MEMBERS OF  
THE MATHEMATICAL ASSOCIATION OF VICTORIA  
ACN 004 892 755**

We have audited the accompanying financial report, being a special purpose financial report, of The Mathematical Association of Victoria, which comprises the statement of financial position as at 31 January 2010, and the statement of comprehensive income, statement of changes in equity and statement of cash flow for the year then ended, a summary of significant accounting policies, other explanatory notes and the directors' declaration.

**Directors' Responsibility for the Financial Report**

The directors of the company are responsible for the preparation and fair presentation of the financial report and have determined that the accounting policies described in Note 1 to the financial statements, which form part of the financial report, are appropriate to meet the requirements of the Corporations Act 2001 and are appropriate to meet the needs of the members. The directors' responsibility also includes designing, implementing and maintaining internal control relevant to the preparation and fair presentation of the financial report that is free from material misstatement, whether due to fraud or error; selecting and applying appropriate accounting policies; and making accounting estimates that are reasonable in the circumstances.

**Auditor's Responsibility**

Our responsibility is to express an opinion on the financial report based on our audit. No opinion is expressed as to whether the accounting policies used, as described in Note 1, are appropriate to meet the needs of the members. We conducted our audit in accordance with Australian Auditing Standards. These Auditing Standards require that we comply with relevant ethical requirements relating to audit engagements and plan and perform the audit to obtain reasonable assurance whether the financial report is free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial report. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial report, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial report in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by the directors, as well as evaluating the overall presentation of the financial report.

The financial report has been prepared for distribution to members for the purpose of fulfilling the directors' financial reporting under the Corporations Act 2001. We disclaim any assumption of responsibility for any reliance on this report or on the financial report to which it relates to any person other than the members, or for any purpose other than that for which it was prepared.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

**Mathematical Association of Victoria**  
**INDEPENDENT AUDITOR'S REPORT**  
**TO THE MEMBERS OF**  
**THE MATHEMATICAL ASSOCIATION OF VICTORIA**  
**ACN 004 892 755 (CONT'D)**

**Independence**

In conducting our audit, we have complied with the independence requirements of the Corporations Act 2001. We confirm that the independence declaration required by the Corporations Act 2001, provided to the directors The Mathematical Association of Victoria on 31 January 2010 would be in the same terms if provided to the directors as at the date of this auditor's report.

**Auditor's Opinion**

In our opinion the financial report of The Mathematical Association of Victoria is in accordance with the Corporations Act 2001, including:

- (a) giving a true and fair view of the company's financial position as at 31 January 2010 and of its performance for the year ended on that date in accordance with the accounting policies described in Note 1; and
- (b) complying with Australian Accounting Standards to the extent described in Note 1 and complying with the Corporation Regulations 2001.

*Clements Dunne & Bell*

*A. Wehrens*

**Clements Dunne & Bell Partnership**  
**Level 14, 350 Queen Street**  
**Melbourne Victoria 3000**

**Andrew Wehrens**  
**Partner**

Dated this .....*31st*..... day of .....*March*..... 2010



**THE MATHEMATICAL ASSOCIATION OF VICTORIA  
ACN 004 892 755**

**DISCLAIMER OF OPINION ON  
DETAILED INCOME AND EXPENDITURE STATEMENT  
FOR THE YEAR 31 JANUARY 2010**

The detailed income and expenditure statement presented on the following page is in accordance with the books and records of the company which have been subjected to the auditing procedures applied in our statutory audit of the company for the period ended 31 January 2010.

It will be appreciated that our statutory audit did not cover all details of the additional financial data. Accordingly, we do not express an opinion on such financial data and no warranty of accuracy or reliability is given.

Neither Clements Dunne & Bell Partnership nor any of its members or employees undertakes responsibility in any way whatsoever to any person (other than the directors) in respect of such data, including any errors or omissions therein, however caused.

*Clements Dunne & Bell*

*Andrew Wehrens*

**CLEMENTS DUNNE & BELL PARTNERSHIP  
Level 14, 350 Queen Street  
Melbourne Victoria 3000**

**Andrew Wehrens  
Partner**

Dated this ..... *31st* ..... day of ..... *March* ..... 2010

# Mathematical Association of Victoria

ACN 004 892 755

## DETAILED INCOME AND EXPENDITURE STATEMENT FOR THE YEAR ENDED 31 JANUARY 2010

	<b>2010</b>	<b>2009</b>
<b>INCOME</b>		
Conference – December	451,443	378,572
Membership Fees	257,563	259,254
Publications and Solutions	187,877	205,039
Talent Quest and Student Activities	33,360	41,588
Interest Received	4,636	9,800
Professional Development	309,397	154,153
Grants and Sponsorships	63,166	113,824
Miscellaneous Income	22,131	14,190
	1,329,573	1,176,420
<b>EXPENDITURE</b>		
Advertising and Promotion	23,295	10,386
Affiliation Fees	40,859	43,723
Auditor's Remuneration	4,884	5,000
Bank Charges	5,451	4,742
Catering Expenses	81,593	108,248
Cleaning	11,976	11,573
Consultants and Presenters	244,769	207,219
Courier Service	831	1,382
Depreciation	35,622	29,997
Equipment Rental	63,479	75,127
Facilities – External	48,425	42,723
Heat, Light and Power	2,796	2,831
Insurance	12,799	11,712
Legal Fees	185	6,857
Long Service Leave	1,435	15,738
Office Expenses	951	1,775
Postage and Fax	22,651	21,108
Publications, Printing and Stationery	185,580	209,741
Rates and Taxes	4,122	4,473
Repairs and Maintenance	7,454	2,860
Royalties and Authors Fees	38,857	37,007
Staff and Members Amenities	6,064	4,336
Staff Training	817	936
Subscriptions	927	905
Superannuation Contributions	27,513	23,912
Telephone	17,944	16,199
Travelling and Accommodation	50,326	51,410
Wages	318,369	290,568
Workcover	1,836	422
	1,261,810	1,242,910
<b>Profit (loss) from ordinary activities</b>	<b>67,763</b>	<b>(66,490)</b>

## **ANNUAL CONFERENCE COMMITTEE REPORT**

### **COMMITTEE MEMBER**

Jeanne Carroll (Convenor)	Carmel Burgess	Lauren Madex (The Full Pretzel)
Julie Allen (The Full Pretzel)	Ann Downton	Peter Sullivan
	Sue Gunningham	Mike Westbrook
	Michelle Huggan	

*Strategic Objective: Growth of the pre-eminent Asia Pacific mathematics education annual conference.*

The 2009 annual conference 'Of Prime Importance' was a great success. MAV was privileged to have hundreds of high quality presentations at the annual conference. My thanks go to all those people who committed their time, energy and expertise to presenting such high quality, thought provoking sessions. There were 380 presentations this year spanning the gamut from air rockets to architecture, from cane toads to CAS, and from Web2 to Wonderment. There certainly was something for everyone!

The anniversary lecture was presented by Professor Jean-Marie Laborde. Professor Jean-Marie Laborde is a French computer scientist, mathematician and researcher in discrete mathematics and the author of 80 scientific papers at international level. Jean- Marie spoke on the topic 'Technology for Math Education: One Element of Prime Importance', presenting an overview of the advances in the use of computer software in developing geometrical ideas, numeracy and algebra.

The Australian Curriculum – Mathematics was high on the list of conversation topics in 2009. Sue Ferguson from ACARA presented the closing ceremony, highlighting issues for schools and mathematics educators in preparing for the implementation of the curriculum. Keynote addresses were presented by:

- George Booker
  - *Algebraic Thinking: Generalising Number and Geometry to Express Patterns and Properties Succinctly*
- Russell Brown
  - *Graphics Calculator Technology - Black Box or a Pandora's Box, it's Your Decision*
- Jill Cheeseman
  - *Challenging Children to Think: Teacher Behaviours That Prompt Children to Probe Their Mathematical Understanding*
- Anita Chin
  - *Making the Connection: Helping Struggling Students Achieve in Mathematics*
- David Clarke
  - *Mind Your Language: Speaking In and About the Mathematics Classroom*
- Sue Ferguson
  - *The Australian Mathematics Curriculum and Resources*

- Peter Fox
  - *Thinking about Mathematics*
- Anthony Harradine
  - *Toilet Paper, Red-Heads and Zip Ties*
- Calvin Irons
  - *Contemporary Content Topics for the National Curriculum*
- Anne Lawrence
  - *Beliefs, Understandings and Practice - An Impetus for Teacher Change*
- István Lénárt
  - *Paper Geometry Vs Orange Geometry (Comparative Geometry on Plane and Sphere)*
- Andrea McDonough
  - *Open-Ended Maths Tasks: Some Hints for Their Use and Development*
- Kevin McMenamain
  - *CAS Opportunities in Levels Other Than the VCE*
- Allason McNamara
  - *CAS Activities for the Classroom*
- Shane O'Connor, Roslyn Mullins
  - *Developing Numeracy Using a Critical Citizen's Platform - A Prime Importance!*
- Burkard Polster
  - *How to Become a Human Lightning Calculator*
- Marty Ross
  - *Ten Mathematical Gems*
- Dianne Siemon
  - *Counting - Of Prime Importance or Too Much of a Good Thing?*
- Paul Swan
  - *Wonderment: Stimulating Children's Thinking in Mathematics*
- Brian Tweed
  - *Developing Mathematical Language - Key to Conceptual Development*
- Ian Wanless
  - *Latin Squares: The Maths Behind Sudoku Puzzles*
- Douglas Williams
  - *Mathematics - Of Prime Importance. Is it?*

### **Conference Finances**

Examination of the 2008-09 financial reports for the annual conference reveals a pleasing recovery from the previous year's figures. The net surplus this year was \$138,826, which was better than the budgeted \$89,252. This was the result of implementing a number of initiatives, such as cancelling repeated sessions in which numbers were very small, adjusting registration fees and careful monitoring of expenses throughout the year.

An initiative to include membership in registration fees for non members resulted in 164 new members for 2010, as can be seen in the table below that details the number of participants.

<b>Paid Registrations:</b>	<b>One Day</b>	<b>Two Day</b>
Metropolitan members	486	378
Non-metro members	148	251
Non-members	77	164
Students	6	12
<b>Totals:</b>	<b>717</b>	<b>805</b>
Speakers		272
<b>TOTAL</b>		<b>1,794</b>

In conclusion, I would like to thank our conference participants for their continued and enthusiastic support of the MAV annual conference. Thanks also to *The Full Pretzel* including Julie Allen and Lauren Maddox, ably assisted by their conference team, for their stunning organisation and for putting in long hours. The MAV conference committee acknowledges the fabulous efforts of our CEO Simon Pryor and the professional officers and administrative staff; Ian Lowe, Shirley Marshall, Sharyn Livy and Jennifer Bowden, Darinka Cenko, Michael Green, Zofia Wiacek in making the conferences so successful.

**JEANNE CARROLL**  
Conference Convenor

## PROFESSIONAL LEARNING

*Strategic Objective: A professional learning program that serves the dual purposes of contributing to the professionalisation of teaching by supporting the work of the Victorian Institute of Teaching and in ensuring "equitable mathematics learning of the highest quality for all students"(National Council of Teachers of Mathematics)*

Council's Professional Development Committee did not meet this Council year. This was essentially because the challenge for the MAV's contribution to the professional development of mathematics teachers in Victoria had already been mapped out by the Strategic Plan and was driven by the work of the MAV's professional staff. It has been a very busy year.

### VCE EVENTS

MAV ran a range of VCE events, which included single-evening sessions and several longer-term events involving a sequence of after-school or evening presentations. MAV is most grateful for the services of a wonderful team of experienced VCE presenters, well organized by professional officer Shirley Marshall.

### Professional Learning Days

In 2009 two programs were held which assisted teachers relatively new to teaching the demanding VCE subjects. However there were very many other offerings for Year 12.

Attendance: Ballarat – 13 Preston – 94

### Transition from Maths Methods to MM CAS

Two courses of six after-school sessions each, were run in 2009 at Cliveden and Wesley College, Mount Waverley.

Attendance: Brunswick – 20 Glen Waverley – 15

A further course was conducted as a two-day program at Shepparton where 24 participants attended. All the programs were extremely well received.

### VCE Specialist Maths Professional Learning Series

There were 14 teachers who attended the six sessions run by six presenters in term 2, 2009 and 8 teachers for a similar program in term 3.

### SACs Evenings

These events are based on presentations by the authors of newly created SAC tasks and sold on the CD 'Fresh Starts'. They are growing in popularity, due to the high quality of the presenters and their creative approaches to SACs for teachers. Three evenings were held in March 2010.

Attendance: Ballarat – 76 Burwood – 169 Northcote – 140

### **Meet the VCE examiners**

In late term 2 2009 this popular event was held in Canterbury, Burwood, Geelong and Ivanhoe. A total of 274 teachers attended these sessions.

### **VCE assistance in Gippsland**

A VCE Professional Learning Program was again conducted for the Gippsland Region on a contract basis. Evening sessions were held during the year at Moe, Bairnsdale, Sale and Traralgon and included SACs evenings, Pedagogy sessions and Exam Preparation sessions.

### **OTHER EVENTS**

#### **Maths for all**

A one-day event was run by Ian Lowe at Cliveden. The day showcased the model developed by Ian for differentiating the classroom for mathematics teaching, particularly at middle years.

#### **MAVRICs**

Due to the restrictions on student-free days to three at the start of the school year in 2010, it was felt that MAV should make an effort to run MAVRICs in several geographically distinct areas on these days. Consequently we planned for five events, but three had to be cancelled due to lack of interest. A successful day was held at Oatlands PS (Southern Metro Region) at which 35 primary teachers attended; financially it broke even. Ian and Sharyn flew to Mildura to assist in running a combined primary and secondary day at Merbein SC. This was well attended, with about 70 teachers. Despite paying for flights and accommodation, it made a profit of about \$2,700.

#### **Professional Learning Assistance Teams (PLAT)**

In 2009 MAV worked with three networks in Barwon-SW region of DEECD: Hamilton, Colac-Corongamite and North Geelong. The program offered eight full days of training (two per term) for six PLAT leaders chosen by the region. In addition ten numeracy coaches attended most of the PLAT training days. The days were led by Ian Lowe, Jennifer Bowden (in terms 1 and 2) and Sharyn Livy (in terms 3 and 4) and included discussion lessons in schools, workshop preparation and content, and many other issues, focusing on leadership training. These leaders, assisted by Ian, Sharyn and Jennifer, then ran two afternoons per term of workshops for coordinators from primary and secondary schools. It was the hope that these coordinators would use what they had learned to improve the teaching in their schools. In 2009 the PLAT leaders trained in 2008 are being used by the region extensively, a testament to the quality of the leadership developed through PLAT.

This has continued by 'special arrangement' in 2010, in that the Regional Network Leader in the Colac-Corongamite network has contracted Ian to spend 10 days in secondary or P-12 schools in that network. So far four of

these days have taken place and they have enabled a considerable amount of planning and facilitation to take place in each school.

In both 2009 and 2010 MAV has a contract with Southern Metropolitan Region of DEECD to offer PLAT to six networks (in 2009) and in the remaining five networks (in 2010) in their region. The primary numeracy coordinators meetings and primary teachers workshops were largely run by Jen Bowden (terms 1 and 2) and Sharyn Livy (terms 3 and 4). These were very popular with up to 75 primary teachers appearing for one workshop. In this way many more teachers are getting good professional learning, but the coordinators are still being prepared to make significant changes in their schools, through an emphasis on team building, curriculum planning, differentiation and assessment. In addition, Ian has been involved with secondary workshops in 2009. In 2010 the Southern Metro Region decided to allow their PLAT leaders to visit many successful schools in term 1, and run the PLAT program in terms 2 to 4. So little has happened at this time, except for the first two days of training. A separate set of days has been contracted by network of a small number of secondary schools based around Narre Warren, and Ian will spend extra time with them to assist their implementation of PLAT-style changes.

### **CONTRACTED Professional Learning**

MAV won three contracts to work for DEECD towards the end of 2009, in partnership with three other institutions.

*Primary Maths Specialists 1:* in December Sharyn worked with Monash University to present the 10-day introduction program for 80 maths specialists chosen from around the state.

*Primary Maths Specialists 2:* in February Sharyn and Ian together worked with ACER to present the 5-day follow-up program to the same group of specialists.

*Bastow Numeracy Coach Training Program:* through 2010 both Ian and Sharyn are involved with RMIT in the training of 48 new numeracy coaches from across the state. This involves both presentations and visits to the coaches in their regions (Warrnambool, Narre Warren and Geelong).

### **Strategic Partnerships Program, Victorian Department of Education and Early Childhood Development, 2009-2011**

The following are the agreements made through the SPP:

*"The MAV will contribute high quality on-line curriculum materials and resources as part of its contribution to Ultranet and Knowledge Bank. It will describe the operation of PLAT in order to document this style of professional learning for use by other regions.*

*Appropriate measures to determine involvement and change in schools will be gathered as part of PLAT, both at regional level (through PLAT educator training), at network level (through coordinator training) and at school level*

(from the coordinators themselves). Targets will be set by the participants and form part of the reporting."

The on-line curriculum materials involved are contained in the free CD sent to MAV members in February 2010, and to renewing or new members since then. For many schools in the future this will form the basis of curriculum planning and resourcing (frequently with MAV CD resources) and will often form the basis of our professional learning activities with schools and in PLAT.

The busy year described above describes working with about 500 non-VCE teachers, in PLAT and other activities.

### **Other Professional Learning by appointment**

Ian Lowe, Jennifer Bowden and Sharyn Livi worked in a variety of schools and regions completing "custom made" Professional Learning. Ian, Sharyn and Jennifer presented a variety of workshops and activities catering for the needs of individual schools and regions. This includes modeled teaching, which has been a highly effective form of professional learning, demonstrating both the success of investigative styles of learning and how to run such lessons.

### **Support to AAMT**

Sharyn assisted with designing 'Reach for the Stars' and was involved in the National MTQ judging. Sharyn also attended the AAMT Conference in Perth.

Jen and Ian were engaged in the writing and review of modules for The Learning Federation to promote the use of the *Learning Objects*.

**JENNIFER BOWDEN, SHARYN LIVY, IAN LOWE and SHIRLEY MARSHALL**  
Professional Officers

## PUBLICATIONS REPORTS

### BOOKS

#### COMMITTEE MEMBERS

Dave Tout  
(Convenor)

Max Stephens

Ian Lowe  
(Professional Officer)

*Strategic Objective: A strong and vibrant publication program.*

The publications of books and CDs through the MAV continues, with a few new items being added to the extensive list now on the MAV website. Sales continue regularly, although income in 2009/2010 was not as high as planned. A focus for 2009 was to make a number of MAV publications also available for purchase as CDROM based resources – a cheaper alternative to publishing paper-based versions. It is anticipated that sales of books and CDs will be stimulated by the production of the new membership CD: Teach Maths for Understanding. The planning guides and information on the CD provide links to resources available from the MAV bookshop website: <http://www.mav.vic.edu.au/shop/index.html>.

New resources added to the MAV bookshop for 2009/2010 included:

#### Books

- Geoshapes and GeoSphinx*
- Car costs II*
- Oxford Primary Maths Dictionary*
- Daily workouts 1 to 6*
- Hands-on Base Ten*
- Hands-on Pattern blocks*
- Hands-on Unifix*
- WERMS (all three books updated)*

#### CDs

- Teach Maths for Understanding (free CD for members)*
- Understanding the Calculus with Spreadsheets (CD)*
- Hands-on Ratio, Scale, Proportion and percentage, Trigonometry and Variation (CD)*

- Trial Examinations 2009 (CD)*
- Global food and maths (CD)*
- Squares (CD)*
- Supporting CD for the books Chance & Data Investigations (vols 1 & 2)*

#### Books converted to CD form

- Active Learning 2*
- Guidelines in Number*
- Mathematics Curriculum Guide - Measurement*
- Dice don't have brains*
- RIME 5&6*
- Careers and Maths*
- Having fun with maths*
- Mathematics at Work Volume 2*

Thanks again to Ian Lowe for his hard work and dedication to sourcing and publishing resources for the MAV – it is hoped that in 2010/2011 there will be extra support for Ian in the work that he does for MAV publications and in helping to promote and sell more resources

## **DAVE TOUT**

Convenor

## **JOURNALS**

*Strategic Objective: Publish professional mathematics education journals.*

### **COMMITTEE MEMBER**

Jill Brown (Convenor)

John Gough

Marj Horne

Jeanne Carroll

Sue Gunningham

Gaye Williams

### **Vinculum—Year 2009 in Review**

The four issues of Vinculum, during 2009, have benefitted from the on-going support of regular (stalwart) contributors, such as Marty Ross and Burkard Polster (especially their stimulating back-covers), Rob Money, and David Leigh-Lancaster. It was pleasing to see articles from new contributors, Vinculum is always on the lookout for new authors.

The revamped design of Vinculum continues to be visually appealing, and easy to use. The front-page cover-photos have been striking, as from the outset, and are a credit to Publishing Solutions who organise these on MAV's behalf.

### **John Gough**

Editor

### **Prime Number—Year 2009 in Review.**

A number of regular items appeared in each edition of Prime Number throughout 2009. These include the questions to accompany the front cover photos, the middle-page poster and question set as well as the back page puzzles for each of the VELs levels 1-4. Anecdotal feedback from teachers remains very positive about these items.

I would like to acknowledge the encouragement and support of the team at Publishing Solutions throughout the year. Special mention needs to be made of their understanding when I faltered with deadlines following the loss of my partner early in the year. Publishing Solutions shortened their design deadlines in order to extend the time available to me. The company continues to create magic from mayhem and produce the most amazing results from my humble instructions.

Most of my work as editor relates to securing and shaping articles from contributors and juggling the aesthetics of text to illustrations per page. It has therefore been invaluable to have Jill as proof reader to pick-up any oversights in the proofs.

Ascertaining whether there will be advertisements in each edition has become a major problem. On very short notice I am often required to produce up to four additional pages of content because no advertising has been organised. It makes for unnecessary pressure. An idea worth exploring may be to offer exhibitors at the MAV Annual Conference (cheap) advertising space in the journals at the time they book their stall. This could result in an ongoing supply of advertising for the year and would bring in some revenue at the same time.

### **Sue Gunningham**

Editor

Obtaining articles for both journals is a constant concern for both editors. Both editors need more contributors. MAV councillors and all members are encouraged to either write themselves and / or actively encourage others to write. In Prime Number, for example, the intention is to have at least one academic feature article per edition (so we need at least one article from each university) as well as some 'teacher talk' articles (so we need many articles long or short from teachers, teams of teachers, and education students) and some hands-on activities and/or resource reviews. Photographs for Prime Number require thought and organisation, it is hoped to build a bank of photos and accompanying questions for use in the years ahead. Contributions by the readers would be appreciated in this task. Additional thanks to all authors, MAV staff, Staff at Publishing Solutions, and all who helped in any way in the past year.

Finally, and most importantly, thanks to our two editors, John and Sue, without them our journals cannot succeed.

### **JILL BROWN**

Convenor

## MEMBERSHIP, MARKETING & COMMUNICATIONS AND PUBLIC EVENTS COMMITTEE REPORT

### COMMITTEE MEMBERS

Dave Tout  
Linda Baron (Co-  
Convenors)

Ray Peck  
Elizabeth Burns

Simon Pryor (Chief  
Executive Officer)

*Strategic Objectives: Develop the MAV's reputation for listening and responding to members and the broader mathematics community about their professional needs and; A public events program that promotes the importance of mathematics in careers and daily life.*

### Membership

2009 MAV membership numbers did decline again, although through the restructure of membership fees overall membership income increased marginally so that budget targets were met. MAV membership remained relatively strong compared to other professional associations where membership numbers have been declining. In 2009 this very active Committee continued to oversee the range of different responsibilities that it has. This included general membership recruitment and retention processes undertaken by the MAV office including;

- the ongoing development of the MAV web site
- MAVlist, an email newsletter now reaching over 10,500 mathematics educators across Victoria, and, indeed, around the world, and
- the continuing excellence of the series of free Public Lectures at Melbourne Museum.

One of the issues addressed by the committee in 2009 was how to target teachers and schools more effectively in order to encourage more to join MAV. It is hoped that in 2010 some of these strategies will help to increase membership. Some of the strategies include having a team of personnel following up and ringing schools who have let their membership lapse or who have never been members; targeting rural and primary schools; and ensuring that all MAV events promote and advertise the benefits of being MAV members.

### Teach Maths for Understanding

It is also hoped that the incentive of the new free membership CD: *Teach Maths for Understanding* with all its free planning guides, links and information will be an added bonus in attracting new members.

### **New Membership Brochures**

The committee worked with a publishing and design house to rework and update the MAV's membership materials, and these were implemented in time for the 2010 year. It is hoped the design work that was done will be built upon and utilised in other areas of MAV's operations.

### **Mathemagical Marvels**

The MAV's public presence was developed further throughout 2009, again due, in no small part, to the continuing efforts of Burkard Polster and Marty Ross who, again presented a series of free public lectures at Melbourne Museum, Carlton Gardens. They were also the face of the Mathematical Association of Victoria during National Science Week in August 2009, where they made a series of school based and public presentations in the region around Mildura. Their work is truly outstanding and the mathematics education community of Victoria owes them an enormous debt of gratitude.

### **Careers Expo**

The MAV ran a stand at the Age VCE and Careers Expo at Caulfield Racecourse in April 2009, where students were offered advice and inspiration and anxious parents counseled. My thanks to the volunteers who help make our stand at the Expo such a friendly and inviting place to the thousands of young potential mathematicians.

### **DAVE TOUT**

Co-Convenor

## STUDENT ACTIVITIES REPORT

### Committee:

Burkard Polster	Nicola McKinnon	Jennifer Bowden
David Treeby (Co-Convenors)	Allason McNamara	Sharyn Livy (Professional Officers).
Robyn Crockett	June Penney	Lauren Madex (The Full Pretzel).
Kelly Gallivan	Angela Rogers	
	Michael Westbrook	

*Strategic Objective: A growing and widely supported student activities program.*

### Games Days.

A Maths Games Day is an opportunity for students to develop their mathematical talents and thinking skills, in a setting where maths is regarded as fun and worthwhile, with like-minded students from a diverse range of schools. It is an ideal way for students to participate in mathematical activities without the usual classroom pressures and is a very effective vehicle for getting young people – particularly in the middle years of schooling – excited about maths. The MAV co-sponsors these days which have proved to be very popular. In 2009 we co-sponsored 6 Games Days from Yr 6 to Yr 10, with a total participation of 1000 students representing 135 schools. A number of in-school Days were also conducted by the MAV. The MAV provides advertising, on-line registration and assistance with all aspects involved in running the day.

This year (2010), we are organising 7 Games Days from Yr 5 to Yr 10 (2 at Yr 7) and a Yr 11/12 ANU Games Day (with the permission and assistance of the Australian National University).

Special thanks to the hosting schools, school coordinators, the many teachers involved and the commercial sponsors (who generously donate prizes).

The Games Days are generally overbooked and we are continually looking for schools, particularly in country regions, who are prepared to host a Games Day either within their own school or for the region.

### Maths Talent Quest.

The Maths Talent Quest (MTQ) is an important component of the student activities program. It aims to foster interest in mathematics and encourage positive attitudes amongst students, teachers and parents. The MTQ promotes mathematical investigations across the curriculum and provides students with an opportunity to apply their knowledge to a diverse range of topics. It encourages students to think deeply about mathematics and to use mathematics in everyday contexts.

The MTQ in 2009 attracted some 500 group and individual entries from 2750 students with thousands more at the school level. 18 of these entries (the best of the best) were submitted to the national competition (NMTQ) of which one was awarded the national prize and 9 received significant prizes.

To promote MTQ, a number of free workshops (attracting 150 participants) were held in Melbourne venues and several articles by teachers participating in MTQ were published in Prime Number.

The MAV wishes to expand this competition ensuring schools and teachers across Melbourne and regional Victoria are aware of the benefits of MTQ and the vast range of resources available.

### **VCE Revision Lectures**

The VCE Revision Lecture series provides the opportunity for VCE students to have extra tuition in VCE maths (Further Maths, Maths Methods, Maths Methods CAS and Specialist Maths) by highly experienced and enthusiastic teachers. The series was conducted, in September/October 2009, in 2 metropolitan and 3 country areas – Mildura, Horsham, Glen Waverly, Northcote and Sale – and attracted 516 students.

**BURKARD POLSTER DAVID TREEBY**  
Co-Convenors

**AND:**  
**WITH THANKS**

### **MAV STAFF 2009 - 2010**

Chief Executive Officer: Simon Pryor

Professional Officers: Ian Lowe                      Shirley Marshall  
Jennifer Bowden      Mike Westbrook (Volunteer)  
Sharyn Livy

Finance Officer: Zofia Wiacek

Administration: Darinka Cenko      Michael Green

The Full Pretzel: Julie Allen                      Lauren Madex