

**THE MATHEMATICAL ASSOCIATION OF
VICTORIA**

ABN 34 004 892 755



**2008 to 2009
ANNUAL REPORT**

Registered Office:
"Cliveden"
61 Blyth Street
BRUNSWICK VIC 3056

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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, 2 April 2009 at Cliveden, 61 Blyth Street, Brunswick, Victoria 3056

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PRESIDENT'S REPORT

It has been another successful year for the MAV and it is with pleasure that the Council present this report. The Year 2008 will be remembered for many things but on the curriculum level, perhaps the most important occurrence has been the work taken towards a National Curriculum. The Association has been involved at all levels in the development of the Mathematics framing paper. At the time of writing this report, the National Curriculum Board is calling for writers and we have encouraged our members to participate in this process. As an Association, we support the notion of a National Curriculum and hope that it will provide a benchmark for excellence in the teaching and learning of mathematics. As flagged in last year's report, this year we have been implementing the Strategic Plan for 2008 to 2011 and we have found this to be an excellent template for the running of the Association. Again as noted last year, this Annual Report notes the performance of the Association against the objectives of the Strategic plan.

OFFICE BEARERS

President:	Elizabeth Burns
Vice Presidents:	Jeanne Carroll Gaye Williams
Secretary:	Max Stephens
Treasurer:	Allason McNamara

COUNCIL MEMBERS

Linda Baron	Jill Brown	Kelly Gallivan
Cath Pearn	Burkard Polster	Peter Sullivan
David Tout	David Treeby	

MAV STAFF

Chief Executive Officer:	Simon Pryor		
Professional Officers:	Ian Lowe	Shirley Marshall	Jennifer Bowden
Finance Officer:	Zofia Wiacek		
Administration:	Darinka Cenko	Michael Green	
The Full Pretzel:	Julie Allen	Lauren Madex	Marie Chan

Vision

Valuing mathematics in society

Mission

The MAV is a membership driven not-for-profit association which provides a voice, leadership and professional support for mathematics education. Its mission is to advocate for the continual review and improvement of mathematics education and the profession of mathematics teaching.

This will be done by:

- ❖ *being a leading voice in mathematics education,*
- ❖ *supporting mathematics teachers and educators,*
- ❖ *listening and responding to members and the broader mathematics community about their professional needs,*
- ❖ *celebrating excellence in mathematics education,*
- ❖ *defining the profession of the mathematics educator,*
- ❖ *promoting best practice in mathematics education,*
- ❖ *influencing policy and practice in mathematics education, and*
- ❖ *promoting the importance of mathematics in careers and daily life.*

Structure

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

Respond to current issues

The Council works at ensuring that the MAV is seen to be a leading voice in mathematics education. In 2008, it has:

- ❖ Lobbied the Government on Policy Development, particularly with relation to the development of the National Curriculum. The MAV responded to the Framing paper in detail.
- ❖ The President has been a member of the Ministerial Advisory Committee for Mathematics and Science
- ❖ The President and other MAV Council members have been on the Expert Advisory Panel for Mathematics for the Victorian Department of Education and Early Childhood Development

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

By way of its commitment to being a significant, positive and influential member of AAMT, the Association has:

- ❖ Continued to actively inform the members of the benefits of their membership of the AAMT
- ❖ Contributed to AAMT consultation processes for the construction and promotion of national mathematics policy, specifically in relation to the papers on the National Curriculum and Mathematics for the 21st century
- ❖ Provided active assistance with the design and launch of the community service announcements; *You Can Do Maths*

Maintain and develop existing programs

In 2008, MAV continued to provide for its members (and non-members) a vibrant program of events, and continued to publish a wide range of material, journals and other publications, which support the work of mathematics teachers in the state and in a wider arena. As outlined in the objectives in the strategic plan, the Association sees this area to be our core business, i.e. to support the valuing of Mathematics in Society. To this end, as noted in later sections of this report, we have been successful in 2008 in the areas of publications including journals, student activities, conferences, professional learning, response to members needs and the bedding down of an exciting public events program. There have been many highlights this year and here I mention only a few. The Professional Learning Assistance Teams, ably led by Ian Lowe and Jennifer Bowden, have continued their outstanding work and are providing excellent professional development for an increasing number of teachers. This model, one of working with a region to provide tailor made PD, seems to be what is required for teachers in the current climate. The *MAVlist* continues to grow and provides an up to date summary of events and issues for a growing band of devotees, members and non-members. The continuing success of the Public Lecture series led by Burkard Polster and Marty Ross is not unexpected considering the quality of the series. We are fortunate to continue to have their support and I thank them.

I refer members to the later sections of the report and thank the convenors of the committees for their outstanding work.

Prepare for the future

Much of Council's focus has been on improving the way the MAV delivers services to all members in Victoria, no matter where they work. The Professional Learning Assistance Teams developed with the support of Jennifer Bowden and Ian Lowe were put into place during 2008 right around Victoria and I am pleased to report that, between them, Jennifer and Ian visited many, many more schools outside of metropolitan Melbourne than the MAV achieved in 2006 and 2007. During 2008 the MAV's Professional Officers also added an extensive set of curriculum resources for all members to the MAV web site and started the process of enabling the MAV to make more effective use of the newer online technologies intended to facilitate professional networking and online learning through what has been described as the "Web 2.0"

The Council has encouraged the exploration of fresh ideas for new services to members and of more effective ways of reaching members. In addition to the work on the web site this has also entailed supporting MAV members working at the Victoria International School of Sharjah and developing links with the Mathematical Association of Thailand.

The prospect of a National Curriculum for Mathematics has a bearing on the MAV's work on behalf of the profession of mathematics educators. It is why Council has made the effort in 2008 to ensure that the MAV and its members are seen to discharge their clear responsibility to make substantial professional contributions to the work surrounding the creation of this national curriculum. It will be through such contributions that the members of the MAV, indeed the entire membership of the Australian Association of Mathematics Teachers, will be able to assert the important professional role teachers play in all aspects of curriculum and policy development in mathematics education.

Conclusion

It has been a privilege for me to be President of the MAV for the last two years. In this time, we have achieved much but as I hand over to Jeanne, there are a couple of areas where I think we need to focus. Firstly, membership. This is the core of our business and, as in many other similar organisations, we need to work hard at attracting new and retaining existing members. The Membership and Marketing Committee under the leadership of David Tout, and Ray Peck, ably assisted by Linda Barron, has worked on new membership models and I trust that the Council will continue to focus on this important area this year. Secondly, we have a valuable asset in the magnificent Cliveden and I am sure that the MAV could be using this asset in ways which would benefit the members and assist us in promoting our mission, that is, to value mathematics in society.

I thank all the Council, the members of the Executive and the staff of MAV. In particular, I think Simon Pryor for his work. I commend him for his enthusiasm, his commitment and his wisdom. The MAV are very fortunate to have the services of Simon and all the staff. I also thank Brian Gibbs for his service to MAV over the years. His patience with the books has been exemplary.

I wish the incoming Council, ably led by Jeanne, continuing success. The MAV plays a most important role in the Mathematics Community in Victoria and the wider community and I know that it is in good hands.

ELIZABETH BURNS
President

THE MATHEMATICAL ASSOCIATION OF VICTORIA

A.C.N. 004 892 755

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Disclaimer of opinion on detailed income statement

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DIRECTORS' REPORT

Your directors present this report on the entity for the financial year ended 31 January 2009.

Directors

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

Ms Monica Baker (Retired 17/4/08)	Mr Ray Peck (Retired 17/4/08)
Ms Linda Baron	Dr Burkard Polster
Ms Jill Brown (Appointed 17/4/08)	Dr Max Stephens
Ms Elizabeth Burns	Dr Peter Sullivan
Dr Jeanne Carroll	Mr David Treeby
Ms Kelly Gallivan (Appointed 24/6/08)	Mr David Tout (Appointed 17/4/08)
Ms Michelle Huggan (Retired 17/4/08)	Dr Colleen Vale (Retired 17/4/08)
Ms Allason McNamara	Mr Michael Westbrook (Retired 17/4/08)
Ms Cath Pearn	Dr Gaye Williams

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 loss for the year ended 31 January 2009 was \$66,490 (2008 operating profit: \$59,381).

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.

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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

• Ms Elizabeth Burns	— President	• Ms Linda Baron	— Director
• Qualifications	— Teacher	• Qualifications	— Teacher
• Dr Colleen Vale	— Past President	• Ms Jill Brown	— Director
• Qualifications	— University Lecturer	• Qualifications	— University Lecturer
• Dr Jeanne Carroll	— Vice President	• Ms Kelly Gallivan	— Director
• Qualifications	— University Lecturer	• Qualifications	— Teacher
• Ms Michelle Huggan	— Vice President	• Ms Cath Pearn	— Director
• Qualifications	— Teacher	• Qualifications	— University Lecturer
• Dr Gaye Williams	— Vice President	• Dr Burkard Polster	— Director
• Qualifications	— University Lecturer	• Qualifications	— University Lecturer
• Dr Max Stephens	— Director	• Dr Peter Sullivan	— Director
• Qualifications	— University Lecturer	• Qualifications	— University Lecturer
• Ms Allason McNamara	— Treasurer	• Mr David Tout	— Director
• Qualifications	— Teacher	• Qualifications	— Research Fellow
• Mr Ray Peck	— Treasurer	• Mr David Treeby	— Director
• Qualifications	— Research Fellow	• Qualifications	— Teacher
• Ms Monica Baker	— Director	• Mr Michael Westbrook	— Director
• Qualifications	— Teacher	• Qualifications	— Retired Teacher

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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
Monica Baker	2	2
Linda Baron	6	4
Jill Brown	4	3
Elizabeth Burns	6	4
Jeanne Carroll	6	5
Kelly Gallivan	3	1
Michelle Huggan	2	2
Allason McNamara	6	3
Cath Pearn	6	5
Ray Peck	2	1
Burkard Polster	6	2
Max Stephens	6	5
Peter Sullivan	6	4
David Tout	4	3
David Treeby	6	5
Colleen Vale	2	2
Michael Westbrook	2	2
Gaye Williams	6	4

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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.

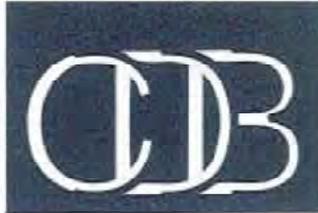
Auditor's Independence Declaration

The auditor's independence declaration for the year ended 31 January 2009 has been received and can be found on page 5 following the directors' report.

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


.....
Director

Dated this 24th day of March 2009



**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 2009 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**

A. Wehrens

**Andrew Wehrens
Partner**

Dated this *24th* day of *March*, 2009.

The Mathematical Association of Victoria

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INCOME STATEMENT FOR THE YEAR ENDED 31 JANUARY 2009

	Notes	2009 \$	2008 \$
Revenue	2	1,176,420	1,190,660
Employee benefits expenses		(330,218)	(268,125)
Depreciation and amortisation expenses		(29,997)	(28,348)
Publications Printing and Stationery expenses		(209,741)	(142,908)
Consultants and Presenters expenses		(207,219)	(231,611)
Catering expenses		(108,248)	(48,460)
Other expenses		(357,487)	(411,827)
Profit (Loss) from Ordinary Activities before Income Tax		(66,490)	59,381
Income Tax Attributable to Operating Profit	1(i)	-	-
Profit (Loss) from Ordinary Activities after Income Tax		<u>(66,490)</u>	<u>59,381</u>

STATEMENT OF RECOGNISED INCOME AND EXPENDITURE FOR THE YEAR ENDED 31 JANUARY 2009

	Reserve \$	Retained Surplus \$	Total Equity \$
Balance at 31 January 2007	454,056	431,089	885,145
Profit attributable to the company	<u>-</u>	<u>59,381</u>	<u>59,381</u>
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	<u>814,918</u>	<u>423,980</u>	<u>1,238,898</u>

The accompanying notes form part of the financial statements.

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BALANCE SHEET AS AT 31 JANUARY 2009

	Notes	2009 \$	2008 \$
CURRENT ASSETS			
Cash and cash equivalent	4	203,604	244,107
Trade and other receivable	5	204,871	102,433
Other current assets	6	3,229	5,264
Inventories	7	62,542	72,215
TOTAL CURRENT ASSETS		474,246	424,019
NON CURRENT ASSETS			
Property, Plant and Equipment	8	1,212,433	843,809
TOTAL NON CURRENT ASSETS		1,212,433	843,809
TOTAL ASSETS		1,686,679	1,267,828
CURRENT LIABILITIES			
Trade and other payables	9	258,484	103,153
Income received in advance		117,844	178,575
Provisions	10	71,453	41,574
TOTAL CURRENT LIABILITIES		447,781	323,302
TOTAL LIABILITIES		447,781	323,302
NET ASSETS		1,238,898	944,526
EQUITY			
Reserves		814,918	454,056
Retained Surplus		423,980	490,470
TOTAL EQUITY		1,238,898	\$944,526

The accompanying notes form part of the financial statements.

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STATEMENT OF CASH FLOWS FOR THE YEAR ENDED 31 JANUARY 2009

	Notes	2009 \$	2008 \$
Cash Flows from Operating Activities			
Receipts from Customers, members and grants		1,003,454	1,455,424
Payments to Suppliers and Employees		(1,015,999)	(1,228,505)
Interest Received		9,800	12,425
Net Cash from Operating Activities		<u>(2,745)</u>	<u>239,344</u>
Cash Flow from Financing Activities			
Repayment of borrowings		-	-
Net Cash used in Financing Activities		<u>-</u>	<u>-</u>
Cash Flows from Investing Activities			
Payment for property, Plant and Equipment		(37,758)	(32,481)
Net Cash used in Investigating Activities		<u>(37,758)</u>	<u>(32,481)</u>
Net increase/ (Decrease) in Cash Held		(40,503)	206,863
Cash at the Beginning of the Financial Year		244,107	37,244
Cash at the End of the Financial Year		<u>203,604</u>	<u>244,107</u>

NOTE TO THE STATEMENT OF CASH FLOWS

Reconciliation of cash flow from operations with loss after income tax

Operating Profit/(Loss) after Income Tax	(66,490)	59,381
Depreciation	29,997	28,348
Changes in Assets and Liabilities:		
- Decrease/(Increase) in Trade Debtors	(102,438)	102,830
- Decrease/(Increase) in Prepayments	2,035	(987)
- Increase/(Decrease) in Income Received in Advance	(60,730)	9,221
- Increase/(Decrease) in Payables	155,329	80,284
- Increase/(Decrease) in Provision for Employee Benefits	29,879	3,348
- Decrease/(Increase) in Inventories	9,673	(43,081)
	<u>(2,745)</u>	<u>293,344</u>

The accompanying notes form part of the financial statements.

The Mathematical Association of Victoria

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NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 JANUARY 2009

1. STATEMENT OF SIGNIFICANT ACCOUNTING POLICIES

The financial report is a special purpose financial report that has been prepared in accordance with the Corporations Act 2001.

The financial report is for The Mathematical Association of Victoria (a company limited by guarantee) as an individual entity, incorporated and domiciled in Australia.

Basis of Preparation

The report has been prepared in accordance with the requirements of the Corporations Act 2001, and the following applicable Australian Accounting Standards and Australian Accounting Interpretations.

AASB 101: Presentation of Financial Statements;
AASB 107: Cash Flow Statements;
AASB 108: Accounting Policies, Changes in Accounting Estimates and Errors;
AASB 110: Events after the Balance Sheet Date;
AASB 1031: Materiality; and
AASB 1048: Interpretation and Application of Standards.

No other Accounting Standards, Accounting Interpretations or other authoritative pronouncements of the Australian Accounting Standards Board have been applied.

Reporting Basis and Conversions

The financial report has been prepared on an accruals basis and is based on historical costs. It does not take into account changing money values or, except where stated, current valuations of non current assets. Cost is based on the fair values of the consideration given in exchange for assets.

The following is a summary of the material accounting policies adopted by the entity in the preparation of the financial report. The accounting policies have been consistently applied, unless otherwise stated.

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).

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NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 JANUARY 2009

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

b. Inventories

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

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 credited to a revaluation reserve in equity. Decreases that offset previous increases of the same class of asset are charged against fair value reserves directly in equity; all other decreases are charged to the income statement. Each year the difference between depreciation based on the revalued carrying amount of the asset charged to the income statement and depreciation based on the asset's original cost is transferred from the revaluation reserve to retained earnings.

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:

Class of Fixed Asset	Depreciation Rate
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.

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NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 JANUARY 2009

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

d. Financial Instruments

Recognition and Initial Measurement

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

Trade date accounting is adopted for financial assets that are delivered within timeframes established by marketplace convention.

Financial instruments are initially measured at fair value plus transactions costs where the instrument is not classified at fair value through profit or loss. Transaction costs related to instruments classified as at fair value through profit or loss are expensed to profit or loss immediately. Financial instruments are classified and measured as set out below.

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.

Classification and Subsequent Measurement

(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, 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. Realised and unrealised gains and losses arising from changes in fair value are included in profit or loss in the period in which they arise.

(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 using the effective interest rate method.

(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 using the effective interest rate method.

(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 using the effective interest rate method.

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NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 JANUARY 2009

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

d. Financial Instruments (Cont'd)

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 Income Statement.

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 asset's carrying value. Any excess of the asset's carrying value over its recoverable amount is expensed to the Income Statement.

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.

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.

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NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 JANUARY 2009

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

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 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. 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.

k. Comparative Figures

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

l. 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 group.

The Mathematical Association of Victoria

ACN 004 892 755

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 JANUARY 2009

	2009 \$	2008 \$
2. REVENUE OPERATING ACTIVITIES		
Sales		
Membership Fees	259,254	257,061
Seminars and Conferences	378,572	419,322
Talent and student Activities	41,588	37,957
Publications and Solutions	205,039	232,638
Professional Development	154,153	127,160
Grants and Sponsorships	113,824	80,434
	1,152,430	1,154,572
Non-operating Revenue:		
Interest	9,800	12,425
Miscellaneous	14,190	23,663
	1,176,420	1,190,660

3. PROFIT FROM OPERATING ACTIVITIES

Loss from operating activities after charging:

Depreciation of:		
- Buildings	5,318	5,284
- Furniture, Fittings and Equipment	24,678	23,064
Auditors Remuneration:		
- Auditing the Accounts	5,000	5,000
The auditors did not receive any other benefits.		
Provision for Long Service Leave	15,738	1,854

The Mathematical Association of Victoria

ACN 004 892 755

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 JANUARY 2009

	2009	2008
	\$	\$
4. CASH AND CASH EQUIVALENTS		
Cash at Bank	203,204	243,707
Cash on Hand	400	400
	<u>203,604</u>	<u>244,107</u>
5. TRADE AND OTHER RECEIVABLES		
Trade Accounts Receivables	204,871	102,433
Less Provision for Doubtful Debts	-	-
	<u>204,871</u>	<u>102,433</u>
6. OTHER CURRENT ASSETS		
Prepayments	<u>3,229</u>	<u>5,264</u>
7. INVENTORIES		
Publications	<u>62,542</u>	<u>72,215</u>
8. PROPERTY, PLANT AND EQUIPMENT		
Freehold Land		
At Directors Valuation 15 th August 2008	<u>964,918</u>	<u>604,056</u>
Building		
At Cost	316,093	316,093
Accumulated Depreciation	(140,666)	(135,348)
	<u>175,427</u>	<u>180,745</u>
	<u>1,140,345</u>	<u>784,801</u>
Plant, Equipment, Furniture and Fittings- at cost	352,865	315,108
Accumulated Depreciation	(280,777)	(256,100)
	<u>72,088</u>	<u>59,008</u>
	<u>1,212,433</u>	<u>843,809</u>

The Mathematical Association of Victoria

ACN 004 892 755

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 JANUARY 2009

	2009 \$	2008 \$
8. PROPERTY, PLANT AND EQUIPMENT (CONT'D)		
As at 15 th August 2008 the Directors re-valued upwards the entity's property at 61 Blyth Street, Brunswick to \$1,140,000. The Directors when considering the revaluation took into account local real estate market price.		
9. TRADE AND OTHER PAYABLES		
Sundry Creditors and Accruals	<u>258,484</u>	<u>103,153</u>
10. PROVISIONS		
Current:		
Employee Benefits	<u>71,453</u>	<u>41,574</u>

11. ACCOUNTING POLICIES

The following Australian Accounting Standards issued or amended and are applicable to the company but not yet effective and have not been adopted in preparation of the financial statements at reporting date.

AASB Amendment	Standards Affected	Outline of Amendment	Application Date of Standard	Application Date for Entity
AASB 2007-8 Amendments to Australian Accounting Standards	AASB 101	Presentation of Financial Statements	1.1.2009	1.7.2009
AASB 101	AASB 101	Presentation of Financial Statements	1.1.2009	1.7.2009

The Mathematical Association of Victoria

ACN 004 892 755

NOTES TO THE FINANCIAL STATEMENTS FOR THE YEAR ENDED 31 JANUARY 2009

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 31st January 2009.

13. Entity Details

The registered office and principal place of 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 2009 the number of members was 1,557.

The Mathematical Association of Victoria

ACN 004 892 755

DIRECTORS' DECLARATION

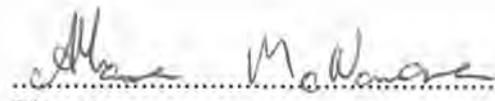
As detailed in Note 1 to the financial statements, the company is not a reporting entity because, in the Directors' opinion, there are unlikely to exist users who are unable to command the preparation of reports tailored so as to satisfy specifically all of their information needs. This financial report is, therefore a "special purpose financial report" that has been prepared solely to meet the Corporations Act 2001 requirements to prepare a financial report in accordance with the accounting policies outlined in Note 1 to the financial statements.

In the opinion of the Directors:-

- (a) the accompanying financial statements and notes are in accordance with the Corporations Act 2001, comply with Accounting Standards and give a true and fair view of the company's financial position as at 31 January 2009, and of its performance for the period ended on that date; and
- (b) at the date of this declaration, there are reasonable grounds to believe that the company will be able to pay its debts as and when they become due and payable.

Signed at Brunswick in accordance with a resolution of the Directors dated this day ^{24th} of March 2009.


.....
Director


.....
Director



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

Report on the Financial Report

We have audited the accompanying financial report, being a special purpose financial report, of The Mathematical Association of Victoria, which comprises the balance sheet as at 31 January 2009, and the income statement, statement of recognised income and expenditure and cash flow statement 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 establishing 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.

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 2009 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 2009 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 Accounting Standards in Australia and the Corporation Regulations 2001; and

Clements Dunne & Bell

A. Wehrens

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

Andrew Wehrens
Partner

Dated this 24th day of March 2009



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

**DISCLAIMER OF OPINION ON
DETAILED INCOME AND EXPENDITURE STATEMENT
FOR THE YEAR 31 JANUARY 2009**

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 2009.

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

A. Wehrens

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

**Andrew Wehrens
Partner**

Dated this *24th* day of *March* 2009

Mathematical Association of Victoria

ACN 004 892 755

DETAILED INCOME AND EXPENDITURE STATEMENT FOR THE YEAR ENDED 31 JANUARY 2009

	2009 \$	2008 \$
INCOME		
Conference – December	378,572	419,322
Membership Fees	259,254	257,061
Publications and Solutions	205,039	232,638
Talent Quest and Student Activities	41,588	37,957
Interest Received	9,800	12,425
Professional Development	154,153	127,160
Grants and Sponsorships	113,824	80,434
Miscellaneous Income	14,190	23,663
	1,176,420	1,190,660
EXPENDITURE		
Advertising and Promotion	10,386	58,244
Affiliation Fees	43,723	47,728
Auditor's Remuneration	5,000	5,000
Bank Charges	4,742	5,386
Catering Expenses	108,248	48,460
Cleaning	11,573	6,604
Consultants and Presenters	207,219	231,611
Courier Service	1,382	1,149
Depreciation	29,997	28,348
Equipment Rental	114,090	32,497
Facilities – External	3,760	91,684
Heat, Light and Power	2,831	2,479
Insurance	11,712	13,615
Legal Fees	6,857	193
Long Service Leave	15,738	1,854
Office Expenses	11,875	11,025
Postage and Fax	21,108	22,635
Publications, Printing and Stationery	209,741	142,908
Rates and Taxes	4,473	1,516
Repairs and Maintenance	2,860	9,205
Royalties and Authors Fees	37,007	44,492
Staff and Members Amenities	4,336	5,854
Staff Training	936	548
Subscriptions	905	1,247
Superannuation Contributions	23,912	21,347
Telephone	6,099	4,062
Travelling and Accommodation	51,410	44,114
Wages	290,568	244,924
Workcover	422	2,550
	1,242,910	1,131,279
Profit (loss) from ordinary activities	(66,490)	59,381

OTHER REPORTS

ANNUAL CONFERENCE COMMITTEE REPORT

COMMITTEE MEMBER

Jeanne Carroll
(Convenor)

Michelle Huggan

Julie Allen (The Full
Pretzel)

Carmel Burgess

Ann Downton

Marcus Finlay

Sue Gunningham

Peter Sullivan

Mike Westbrook

Colleen Vale

Adria Quinn

Sharon Taylor

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

The theme for 2008's annual conference was *ConnectEd Maths*, providing presenters with plenty of scope to explore the connections between Mathematics and other fields of interest as well as the connection within Mathematics, both of which provide our endeavours with relevance and meaning.

The annual conference continues to provide a huge range of quality sessions that are an inspiration to Mathematics educators from across Victoria as well as educators from other regions of Australia and attending delegates from 51 countries including Singapore, Japan, China, New Zealand, Israel, USA, Malaysia, Hong Kong, Austria, and France. This year 1,574 delegates and 248 speakers were registered. The 2008 conference provided 397 sessions for delegates to choose from. The displays in the exhibition hall engaged our delegates with a wonderful selection of resources to support the teaching and learning of mathematics at all levels. One hundred and forty-five exhibitors were represented at the 70 booths.

The Anniversary lecture was presented by Professor Barry McGaw, Director of the University of Melbourne Education Research Institute and former Director for Education at OECD. As the chair of Australia's new National Curriculum Board he was able to acquaint participants with the issues surrounding the development of a new mathematics curriculum for Australian Schools.

As usual a selection of very interesting keynote addresses was available including:

- Making Connections: The 'Really Big' Ideas in Number P to 8 - *Dianne Siemon*
- Students Making the Connections Between Algebra and Word Problems - *Anne Lawrence*
- Integrating Technology Through a Play Based Focus For Early Learners - *Hanan Harrison*
- Structuring Mathematical Thinking in the Primary Years - *Jill Brown*
- Connected Mathematics Through Mathematical Modelling and Applications - *Gloria Stillman*
- Chance Connections - *Jennifer Way*
- Digital Content: Connecting Kids (Secondary) - *Sue Ferguson, Leanne Robertson*
- Digital Learning + Mathematics = Innovative Engagement: Connecting Mathematical Thinking with Rich Assessment - *Mark Hennessy*
- Conundrums, Catapults, Custard Pies and Maths Teachers - *Jamos Somerville-McAlester*
- Pokie Jokie - *Tim Falkiner*
- Digital Content: Connecting Kids (Primary) - *Sue Ferguson, Leanne Robertson*
- National Numeracy Review: A Forum - *Peter Sullivan, Marty Ross, Elizabeth Burns*
- Making Connections in Junior Secondary Mathematics - *Colleen Vale*

- Who's The Boss? The Roles of Mathematics and Reality in Problem Solving - *Irit Peled*
- The Literacies of the Mathematics Learning Area - *Thelma Perso*
- Linking Multiplication and Division in Helpful and Enjoyable Ways for Children - *Ann Downton*
- Innovations in Mathematics, Science and Technology Teaching - *Konrad Krainer*
- Dynamic Mathematics at Early Grades with Cabri Elementary - *Jean-Marie Laborde*
- Improving Middle School Students' Proportional Reasoning - *Kim Beswick*
- Identifying Problem Solving in School Mathematics: Students' and Teachers' Perspectives - *Judy Anderson*
- Theorems by Theatre - *Marty Ross, Burkard Polster*
- The 2008 conference introduced an online registration process which was generally well received and streamlined procedures.

Conference finances

Examination of the 2008-09 conference budgeted net surplus and end of year result of \$49,126 reveals that the net surplus is well below the projected figure of \$104,147. The council has ratified an agreement to produce a budget for the 2009-10 financial period that will result in a \$90,000 net surplus.

The reasons for this underperformance are still being investigated, but some of the causes lie in increased expenditure in the form of increases to room and equipment hire, and the increased number of presenters representing more free registrations.

In order to meet the projected surplus figure in the next financial year a number of economies will be investigated and implemented. Conference committee will be making changes to the number of participants necessary for a session or keynote to run in order to save on room and equipment hire. We will be looking very carefully at areas in which further economies can be achieved, such as reducing transportation costs between accommodation and venue, an online synopsis book, the number of free registrations and savings on satchels. At the same time, the committee will be examining opportunities to increase income, such as registration and exhibition fees.

The annual conference occurs as the result of a concerted year long process of dedicated work done by the Conference Committee, Julie Allen and her team from *The Full Pretzel* as well as the team at the MAV office. I would like to thank them whole-heartedly for their efforts. In addition I would like to thank all of the keynote speakers, presenters and participants who continue to *put-in* each year to make the conference such a great educational success. Lastly I would like to thank my predecessor Michelle Huggins for all of her support during the year.

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)

VCE Professional Learning Days were held at Bendigo and Preston in March and **VCE SACs evenings** were held at Coburg, Ballarat and Croydon in Feb and March. Attendance at these events was as follows:

SACs Evenings

Ballarat – 78
Coburg – 133
Croydon – 93

VCE Professional Learning Days

Bendigo – 29
Preston – 130

A Gippsland 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 and Traralgon and included SACs evenings, Pedagogy sessions and Exam Preparation sessions.

Primary Big Day Out

MAV ran two reasonably successful *Primary Big Day Out* days, one in Mooroolbark where 38 people attended and one in Preston, for approximately 45 participants. The interest in a “one off” Professional Learning Day appears to be declining and it may be worthwhile investigating its effectiveness in the future.

MAVRIC

A much more successful format was the two MAVRICs that ran in Mornington with 118 participants, and Geelong where 91 attended. Both of these drew upon the needs of the teachers in that particular region and catered for teachers of students in Prep – Year 12. Di Siemon was a keynote speaker at the Mornington MAVRIC, which was a great success. However it was wonderful to see a variety of local presenters and classroom teachers running successful workshops at both MAVRICs.

Professional Learning Assistance Teams (PLAT)

In 2008 MAV worked with four networks in Barwon-SW region of DEECD: Portland, Warrnambool and two in Geelong. The program offered eight full days of training (two per term) for eight PLAT leaders chosen by the region. The days were led by Ian Lowe and Jennifer Bowden and included discussion lessons in schools, workshop preparation and content, and many other issues, focusing on leadership training. These leaders, assisted by Ian 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.

PLAT has moved to a new level in 2009. Barwon-SW has extended their involvement to cover Geelong North, Hamilton and Colac-Corongamite. Additionally MAV has a contract with Southern Metropolitan Region of DEECD to offer PLAT to six networks in their region. In order to tighten the link to change in schools PLAT has been modified so that the second coordinator workshop each term is replaced by a teachers’ workshop – emphasizing hands-on approaches to teaching, particularly number (by request). At this date these have been 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 six selected independent schools (from the north-west suburbs) on a PLAT program under contract with AISV. Several full-day workshops have been followed by visits to the schools during 2009 to help consolidate the pedagogical changes demonstrated at the workshops.

Other Professional Learning by appointment

Ian Lowe and Jennifer Bowden worked in a variety of schools and regions completing "custom made" Professional Developing. Ian 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.

JENNIFER BOWDEN, 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 continues, with a few new items being added to the extensive list now on the MAV website. The sales continue regularly.

Sales of books and CDs are being stimulated by the curriculum planning documents located on our website. All of these provide links to resources from MAV website www.mav.vic.edu.au/curriculum-planning, accessible under 'Publications & Resources'. These include:

- ❖ *Teach for Understanding*, a set of teaching suggestions for all dimensions and levels, including a special section on Early Years Number,
- ❖ Resource lists (organised by dimension and VELs level),
- ❖ *Differentiated unit plans* to assist teachers to accommodate the wide range of VELs levels in all classrooms,
- ❖ *Working Mathematically in VELs*, a set of plans for using *Maths with Attitude* and other resources with an emphasis on working mathematically in all dimensions), and
- ❖ *Assessment recording tools*, listing summary statements of VELs strands in a way that makes them useful for recording observations while teaching.

A new initiative is the *Database of Interactive Mathematics*. This on-line database links curriculum topics to suitable on-line resources for interactive learning in the classroom. It is of particular value to students with laptops or classroom access to computers, and currently operates only at Years 7 to 10.

One set of publications requires more effort to move extensive stock. These are the three *WERMS* books (Revision for Years 12 examinations in each subject). Fortunately these can be

sold until 2011 because the accreditation period for the present VCE mathematics subjects has been extended, due to the expected impact of the forthcoming national curriculum.

DAVE TOUT

Convenor

JOURNALS

Strategic Objective: Publish professional mathematics education journals.

COMMITTEE MEMBER

Jill Brown (Convenor)

John Gough

Gaye Williams

Jeanne Carroll

Sue Gunningham

Vinculum—Year 2008 in Review

The four issues of *Vinculum*, during 2008, have benefitted from the on-going support of regular (stalwart) contributors, such as David Shallcross, Marty Ross and Burkard Polster (especially their stimulating back-covers), Rob Money, Neale Woods, and David Leigh-Lancaster. The extensive multi-issue Opinion Piece, "*Lockhart's Lament*", the discussion by Paul Lockhart of what mathematics teaching in school might be, or ought, to be, also appeared in the last two issues of 2008, and was completed in issue 1 of 2009 (which was prepared at the end of 2008).

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.

In short, it has been, and so far continues to be, leading into 2009, "business as usual".

John Gough

Editor

Prime Number—Year 2008 in Review.

The journal underwent several transformations in 2008, including the introduction of a double-page photograph for the centre-spread accompanied by questions and suggestions to support teachers to find and use the mathematics of real life contexts. Additional mathematical questions are also posed in relation to the front cover photos. Not only do these maximize the value of every journal page they encourage teachers to highlight the role of mathematics in everyday life. The centre-spread and front cover photos were largely sourced/ taken by the editor and her partner for the sole purpose of using them in *Prime Number*. The back cover of the journal has become a standardized puzzle page presenting four distinct puzzles; one for each VELS Level 1-4. Feedback from teachers about this puzzle page has been very positive. Some schools are using it as part of their home-school program and others using the puzzles during Numeracy Week.

A very successful session titled, 'This works for me! Activities from *Prime Number* was held at the 2008 annual conference. Although numbers were small, the feedback and enthusiasm from the participants was very positive and enough to consider running a similar session again in 2009.

The relationship between the editor and the Publishing Solutions team is a good one and turn-around times have been kept tight. The designer has a very good eye and interprets the editor's requests without issue. It has been a great idea having the final page lay-outs proof-read by Jill. It has relieved a lot of angst from the editor who was very conscious that being so close to the material made it difficult to notice all errors when she was solely responsible for all the proof-reading as well.

I had a very enjoyable year as editor and look forward to the year ahead.

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 education students and staff at Victoria and Deakin universities, Peter Sullivan, David Leigh-Lancaster, the AAMT mathematics education interest-group listserv, MAV staff 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.

2008 MAV membership numbers remained relatively strong compared to the much more normal behaviour of other professional associations where membership numbers have been declining. This very active Committee oversaw a range of actions and reviews throughout 2008 of the different responsibilities of the Committee. This included general membership recruitment and retention processes undertaken by the MAV office, the ongoing development of the MAV web site, *MAVlist* an email newsletter now reaching over 8,000 mathematics educators across Victoria, and, indeed, around the world and the continuing excellence of the series of free Public Lectures at Melbourne Museum.

The committee, mainly under the guidance of Ray Peck, continued to analyse the extensive membership survey undertaken in 2007. This resulted in a review of membership categories and prices during 2008 with a major reworking of the structure in order to make membership more attractive to rural schools. This has been implemented for the 2009 year.

The MAV's public presence was developed further throughout 2008. This was 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 2008, where they made a series of school based and public presentations in Portland, Warrnambool and Hamilton. Their work is truly outstanding and the mathematics education community of Victoria owes them an enormous debt of gratitude.

The partnership with the International Centre of Excellence for Education in Mathematics continued. The MAV collaborated with ICE-EM to run a stand at the Age VCE and Careers Expo at Caulfield Racecourse in April 2008 and assisted with similar events in other States by helping to move banners and brochures from venue to venue. My thanks to the many volunteers who help make our stand at the Expo such a friendly and inviting place to the thousands of young potential mathematicians each year.

DAVE TOUT

Co-Convenor

STUDENT ACTIVITIES REPORT

Committee:

M Westbrook (Convenor)	David Treeby	(Professional Officer).
Allason McNamara	Burkhard Polster	Lauren Madex (The Full Pretzel).
June Penney	Kelly Galvivan	
Robyn Crockett	Jennifer Bowden	

The committee meets at 4 pm on the first Tuesday of every term.

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

Game 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 2008 we co-sponsored 7 Games Days from Yr 5 to Yr 10, with 2 Days at Yr 7, and with a total participation of approximately 1400 students. MAV provides on-line advertising and registration and assistance with all aspects involved in running the day.

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 within the MAV that promotes mathematics across the curriculum and provides students with an opportunity to apply their knowledge of mathematics to a diverse range of topics. It encourages students to think deeply about mathematics and to use mathematics in everyday contexts.

The MTQ aims to promote interest in mathematics and foster positive attitudes amongst students, teachers and parents. The focus is on the process of mathematical investigations.

The MTQ in 2008 attracted 315 group and individual entries from 527 students with almost 2000 more students at the class entry level. 13 of these entries (the best of the best) were submitted to the national competition (NMTQ) of which 8 were awarded significant prizes. The NMTQ was hosted by MAV in 2008 and there were 78 entries and approximately 20 students travelled to attend the award ceremony from interstate.

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

In 2009 a variety of free workshops promoting MTQ were held in Melbourne venues along with a MTQ Road show in regional Victoria and Tasmania. We hope to further promote MTQ through using technology such as edna email groups, online workshops and video tutorials.

VCE Revision Lectures 2008

The 2008 VCE Revision Lecture series conducted in September by the MAV provided three-hour sessions for each of Further Maths, Specialist Maths, Maths Methods, and Maths Methods (CAS) at a range of venues. The lectures were delivered by highly experienced and enthusiastic teachers. The 2008 series was conducted at host schools in Brunswick, Glen Waverley, Hamilton, Sale and Mildura and a total of 559 students attended the lectures.

Southern Star Observation Wheel

In this project Professional Officers Ian Lowe and Jennifer Bowden worked with a variety of teachers to write educational materials for the Southern star Observation Wheel. These included integrated units of work (lesson plans and activities) for primary school students titled 'Can We Fit It', 'From Little Things Big Things Grow', 'Location, Location, Location' and 'May The Force Be With You'. Subject specific units of work covering English, Maths and Science and Design for Years 7&8, and in Years 9&10 were written for Secondary School students. In addition to writing educational materials, a risk assessment document, excursion and school management training was provided to Southern Star staff in readiness to the launch of their education program.

Although the Wheel has been stopped (for several months) for repairs, for a short time the educational material was available free to all schools from their website. We presume that once the wheel moves again so also will the promotion to schools, and the materials will reappear.

National Sports Museum

In this project, Jennifer and Ian cooperated with the National Sports Museum (located at the MCG) to create a 'gizmo' for use by lower secondary students (or others). The purpose of the 'gizmo' is to engage students in thinking mathematically about the sports exhibits as they wander around the museum. It contains a number of mathematical questions based on selected exhibits and 'Did you know...?' statements. Answers and suggestions for follow-up are contained in the downloadable teacher's guide from the Museum's website. The funding for the project came from a group supporting mathematically-oriented careers in the rail industry, and their website also promotes this.

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