

Annual Report 2005/6

Author: Graham Thompson<editor@masonry.org.uk>

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Registered Address: British Ceramic Research Limited, Queens Road, Penkhull, Stoke-on-Trent, ST4 7LQ, UK

www.masonry.org.uk

REPORT OF THE PRESIDENT

2005 / 2006

My year in office has seemed to be incredibly short and personal achievements limited. However the Society has continued to develop largely due to the efforts of others.

Masonry International in its new colour format has continued to be both popular as a vehicle for news and announcements together with being an important source of reference for peer reviewed authoritative papers. The development of the Society's website which was recommended in Dr Moore's strategic review has been successful and the ability to search all of the papers published in MI proves to be a valuable tool for those seeking specific information. We need to publicise more this valuable resource available to members.

Our meetings programme has continued building on the successful programme of joint events with the Royal Institute of Chartered Surveyors the 2006 Spring Meeting and the new innovation of the Technical Session following the AGM have all focussed on regulatory or other government inspired issues. The Seventh International Masonry Conference in London in November is set to be a major event with some 150 papers submitted and much to which to look forward. Such major events require a lot of effort and thanks particularly go to our incoming president Cliff Fudge in whose term of office the event takes place. Thanks also to our sponsors whose contributions enable the Society to maintain the quality of the event whilst controlling the cost to delegates.

Our dialogue with The Masonry Society in the USA over the potential of some joint activity has not developed this year largely due to the difficulty in identifying areas of mutual gain, however we have not closed the door to future developments.

Membership remains a concern with no simple conclusion as our industry continues to consolidate and the numbers of technically minded potential and actual members decline in numbers and increase in average age. We will however try to use 7IMC to stimulate interest.

My thanks go to our permanent officers who give so generously of their time, to my predecessor Neil Beningfield, my successor Cliff Fudge, Council and to all who have taken on personal duties to assist in the development of the Society.

COUNCIL

President: Professor G J Edgell FBMS
President-Elect: Mr C A Fudge FBMS
Imm. Past President: Dr N E Beningfield FBMS
Honorary Editor: Mr G Engledow MBE

To serve until 2006
Professor A Baratta C R Marshall
Dr A J Bell G C Mills
C A Fudge FBMS A Trueman

To serve until 2007
B Clamp Dr J R Riddington
I Harrison P Rogatzki
Professor C Melbourne P Watt

To serve until 2008
A R Bown MBMS Dr A N Fried FBMS
M Driver Dr J Morton FBMS
W A Ferguson Dr A J Soane

PAST PRESIDENTS

Prof. Emeritus A W Hendry Hon FBMS
B A Haseltine Hon FBMS
Dr J B Menzies FBMS
G Thompson FBMS
Dr G Somerville OBE
Dr J H Armstrong
Dr D R F Spencer FBMS
P Race
Eur. Ing. A L Taylor
Prof. Emeritus J J Roberts FBMS
B Bird FBMS
Dr H W H West FBMS
A S M Edey FBMS
D T Walters FBMS
Prof. Emeritus M E Phipps FBMS
M J Robinson FBMS
Dr J F A Moore FBMS
Dr N E Beningfield FBMS
Professor N J Bright MBE FBMS

OFFICERS

Secretary: Dr K Fisher FBMS
Treasurer: Mr P E Wood
Executive Editor: Mr G Thompson FBMS

COMMITTEES OF COUNCIL

Finance and General Purposes Committee
Professor G J Edgell (Chairman) C A Fudge
Dr N E Beningfield P E Wood
Dr K Fisher

F & GP and Council Meetings: 21 April, 2 November

REPORT OF COUNCIL FOR THE YEAR 2005

1. The Society

The Society has made significant progress in implementing the programme of change required to present a sharper and more attractive image to current and potential members. The re designed Journal 'Masonry International' and the new logos, for both the Society and the Journal have been very favourably received. Considerable financial resource was applied to major improvements in the website, the first since it was set up in 2001. After initial teething problems this now provides more information on all the Society's technical publications, with members now able to access the detailed content of these publications. Financial transactions can now be made on-line, and this facility will be available to register for future meetings.

The Society owes a considerable debt to its Executive Editor, Mr G Thompson, for providing the major input to these initiatives.

Following a series of ad hoc meetings, Council formally approved the status of a Marketing Group as the appropriate body to discuss and recommend ways in which the profile of the Society can be raised, together with extending the appeal of the Society to existing and new members.

Considerable planning has already taken place for the 7th International Conference in London in 2006. Over 150 abstracts were submitted, and authors requested to prepare their papers for further consideration by the Editorial Committee.

2. Publications – Masonry International

Three issues of Volume 18 have been produced in 2005. The number of pages in the three issues was 55, 60, 64. The contents of Volume 18 comprised 32 pages of ephemerals and a total of 147 pages of papers.

The papers produced in Volume 18 are given, with page numbers, below:

No 1

Journal

Effect of FRP Mesh Rebar on the Shear Strength of Masonry
Salvatore Russo 1

Experimental Investigation of Bricks Under Uniaxial Tensile Testing
P B Lorenc, J C Almeida and J A Barros 11

In-Plane Behaviour of Grouted Concrete Masonry Assemblies
Robert G Drysdale, Wael El-dakhkhni and Magdy M Khattab 21

Shear Characteristic of Interlocking Mortarless Block Masonry Joints
Ahmed H Alwathaf, Waleed A Thanoon, Mohd Saleh Jaafar,
Jamaoddin Noorzaei and Mohd Razali Abdul Kadir 39
No 2

Bulletin

Kingston University Sustainable Technology Research Centre
Concrete and Masonry Group 45

Comparison of Current Approaches to the Design of Masonry Diaphragm Walls
J J Roberts, A N Fried and A K Tovey 55

The Design of Masonry Diaphragm Walls
J J Roberts, A N Fried and A K Tovey 67

The Effect of Harmful Clay Fines in Aggregates on the Set Retardation of Mortar
A N Fried, A Yool, J J Roberts and A Merry 73

Thin Joint Masonry in the UK
A N Fried, J J Roberts, M C Limbachiya and A Ahmed 85

Sustainable Construction in Masonry and Concrete
G Al-Talal, J J Roberts and A N Fried 89

No 3

Bulletin

The Development of Design Data for Group 2 Clay Masonry Units
G J Edgell 93

Journal

Historical Multi-Leaf Masonry Walls: Experimental and Numerical Research
A Anzani, L Binda, A Ramalho and A Taliervo 101

Fibre Reinforced Composites in Civil Engineering – Experimental Validation of
C-Fibre Retrofit to a Masonry Arch
A Baratta and O Corbi 115

Diagonal Bending of Unreinforced Clay Block Masonry
M C Griffith, S J Lawrence and C R Willis 125

Shear Characteristics of Interlocking Mortarless Block Masonry Joints
A H Alwathaf, W A Thanoon, M S Jaafar, J Noorzaei and M R A Kadir 139

3. Meetings

The Spring meeting of the Society was changed to a new format in 2005, to provide a 'Roadshow' at three venues in Birmingham (26 April), Leeds (7 June) and London (14 June). Organised in conjunction with the Royal Institute of Chartered Surveyors (RICS), the meetings provided an update on the Building Regulations – Parts A, E and L. The roadshows proved both technically and financially successful, with some 200 delegates in attendance. The Society is indebted to Mr Cliff Fudge and to the RICS for their work in organising these Roadshows.

The AGM and Annual Luncheon was held at the now traditional venue of the RAF Club on 30 June. Guest speaker at the Luncheon was Mr Jeff Howell, a journalist and BMS member.

4. Membership

Members as at 31 December 2005 were as follows:

CORPORATE MEMBERS

Autoclaved Aerated Concrete Products Association (Founder Member)
BRC Building Products
Brick Development Association (Founder Member)
British Cement Association (Founder Member)
British Ceramic Research Ltd (Founder Member)
Building Research Establishment (Founder Member)
Buxton Lime Industries

Caradon Catnic
English Heritage
GB Geotechnics Ltd
Hanson Brick Ltd (Founder Member)
H + H Celcon Ltd (Founder Member)
Jenkins & Potter, Consulting Engineers
Mortar Industry Association (Founder Member)
National House-Building Council
Office of the Deputy Prime Minister
Tarmac Topblock Ltd (Founder Member)
Wienerberger AG

HONORARY MEMBERS

Professor Emeritus A W Hendry
BSc(Eng), PhD,DSc, CEng, FICE,FIStructE, FRSE, HonFBMS
Barry A Haseltine
BSc(Eng), FCGI, DIC.FR Eng, FICE. FIStruct E, F ConsE, Hon FBMS

LIFE MEMBERS 3
FOUNDER MEMBERS AND MEMBERS 201
5. Secretarial

Council wishes to record its thanks to Dr N E Sanderson, Chief Executive, British Ceramic Research Limited for continued provision of facilities and address. The Administration Department of the Society continues to provide efficient and effective professional support. Mrs Julie Wood has provided day to day accounting services and Miss Julie Parker support for Meetings as required, and setting of papers for Masonry International.

6. Report of the Treasurer

Total income in 2005 was £9,540 higher than in 2004, the main reasons for which are the proceeds of the RICS Roadshows and the publication of a booklet on mortar. The principal reason for the increase in expenditure of £24,056 is the cost associated with the development of the website.

The net result of the increases in both Income and Expenditure in 2005 is a Net Expenditure of £23,076 compared to £8,560 in 2004. The total of the Society's Net Assets has reduced from £85,382 in 2004 to £62,306 at the end of 2005. Cash balances have reduced by £32,971 to £61,937.

7. Trustees' Responsibilities

Under the Charities Act 1993, the trustees are required to prepare a statement of accounts for each financial year which gives a true and fair view of the state of affairs of the charity at the end of the financial year and of the incoming resources and application of resources in the year. In preparing the statement, the trustees are required to:

- Select suitable accounting policies and apply them consistently
- Make judgements and estimates that are reasonable and prudent
- State whether applicable accounting standards and statements of recommended practice have been followed, subject to any material departures disclosed and explained in the statement of accounts
- Prepare the financial statements on the going concern basis unless it is inappropriate to presume that the charity will continue its operations.

The trustees are responsible for keeping proper accounting records which disclose with reasonable accuracy at any time the financial position of the charity at that time and to enable the trustees to ensure that any statement of account prepared by them complies with the regulations under section 42(1) of the Charities Act 1993. They are also responsible for safeguarding the assets of the trust and hence for taking reasonable steps for the prevention and detection of fraud and other irregularities.