

# *Society of Glass Technology*

Annual Report and Accounts for the year ending 31 Dec. 2016



## HONORARY SECRETARY'S REVIEW OF 2016

In past reviews I have talked about the challenges we face as a Society and those challenges are still with us but what a great year the SGT has just had. It was our 100<sup>th</sup> birthday and we celebrated in style with various events throughout the year to engage and delight members, supporters and our wider audience alike.

The President, Professor Russell Hand, led us very ably through the preparations and their culmination in the celebration of a historic year. It actually started in December 2015 when the Centenary was launched at the Yorkshire Section Dinner. It continued throughout 2016 with almost an event each month, some of which were directly Society functions and others arranged by supporters who generously dedicated them to the Centenary.

I do not propose to list all the events but will mention a few that delivered particular success and enjoyment. The main event of the year was the Centenary Conference held in Sheffield using the facilities of Sheffield University. This was a considerable success on all levels and I am sure the Honorary Treasurer will mention the financial aspects in his report. However, as a meeting it was lauded by many not only for its technical content but also for the excellent management and friendly interactive atmosphere that was generated. The Society was presented with many tangible awards in recognition of the Centenary from other glass related bodies and societies. These were gratefully received and are displayed in the Society's offices.

Furnace Solutions and associated Training Day took place as usual in June in Stoke on Trent which was very well attended and a successful meeting. However, the MTC put on a Centenary edition of Furnace Solutions in Sheffield embedded within the Centenary Meeting. This was also a considerable success and it is believed that the highlight for delegates was the receiving of a bottle of Centenary Ale at the end of each of the days.

For many, in particular our overseas visitors, the social highlight of the conference was undoubtedly the Banquet which was held in the 12<sup>th</sup> Century splendour of Sheffield Cathedral. The setting was exceptional, the food excellent and the company sparkling, indeed at the end many people seemed reluctant to leave and break the atmosphere.

A number of the Society's Awards were presented during the Centenary year and the recipients were as follows

**Pilkington Award: Dr Anita Zeidler**  
**Garvey Award: Stuart Hakes**  
**Oldfield Award 1<sup>st</sup> Victoria Brown: 2<sup>nd</sup> Jed Lee: 3<sup>rd</sup> Teo Kubiena**

Special recognition was made at the Centenary conference dinner to  
Steve Feller 22/3/16  
Richard Hulme 22/3/16  
Margaret West 22/3/16

Who were awarded the prestigious **HONORARY CENTENARY FELLOWSHIP**

There were one or two events of a more social nature during the year including a Golf Challenge day which all the participants enjoyed and a Founders evening which was held on the date of the very first meeting of the SGT. In keeping with the spirit of this first meeting a number of contributors gave a short presentation on an aspect of glass.

All the events of the Centenary were memorable in some way but they do not organise themselves. Equally memorable should be the work done by the Society's management and technical committees to make things happen and smooth out the wrinkles that inevitably appear. Equally without our loyal and dedicated staff in the office who actually implement the tasks there are charged with, be they easy or complex, the Centenary could have been a less magnificent event than it turned out to be. Please remember that this was in addition to all the tasks related to the day to day running of the Society which are necessary.

Having a Centenary celebration does not lessen the sadness in reading the list of members and fellows who died during the year. You will no doubt spare a thought for or share a reminiscence of those you knew or had heard about. The death of any member is keenly felt by the Society and we send our sincere condolences to the families left behind.

The challenges to the Society remain and as we embark on our second century they will be addressed and ways to mitigate them found. We are a little better placed to meet them after such a successful year but the rebuilding must continue in order for The Society of Glass Technology to remain an independent learned society dedicated to our Objects and Constitution for another 100 years.

John Henderson  
Honorary Secretary

## FINANCIAL REVIEW

The audited accounts confirm that the centenary year has been the success we were hoping for, and we have a health surplus as a result. Subscriptions look health too. The staff have done an excellent job of keeping costs down and our expenditures seem to be under good control. Unfortunately; every silver lining comes with a dark cloud. Ours is in the form of income from direct Glass Technology journal sales, which continue to decline – this year's rate of fall has increased, perhaps to make up for the slight recovery last year, which now seems to have just been a blip in the decline.

It seems that we are becoming more and more dependent on our meetings – Furnace Solutions and the Annual Meeting – so I hope that we can all support these to the best of our ability and help to keep our society healthy.

### ELECTION OF OFFICERS

Prof Russell Hand re-elected as President, Mr J Henderson was re-elected as Honorary Secretary. Mr Alan Stephens was re-elected as Honorary Treasurer. Richard Hulme was elected as a Vice president and Bill Brookes was elected as president designate.

### ELECTION TO FELLOWSHIP

The following members were elected to Fellowship of the Society:

Delia Brauer 22/03/16  
Lisa Klein 22/03/16  
Gavin Mountjoy 22/03/16  
Robert Newport 22/03/16  
David Parkinson 22/03/16  
Prof C Russel 22/03/16

### ELECTIONS TO COUNCIL

John Parker for three years

### DEATHS

Deaths announced to Council during 2016

Mr B E Moody HonFSGT 22/12/15  
Professor J A Duffy FSGT 02/11/15  
Mr G Evans FSGT 05/05/16  
Professor M Cable HonFSGT 20/08/16

## PUBLICATIONS REPORT

Glass Technology, Part A and Physics and Chemistry of Glasses Part B of the European Journal of Glass Science and Technology each appeared six times in 2016. Most issues arrived well within their publication month. Glass Technology has struggled for papers with the October issue relying on entirely reporting news and the SGT100 conference and Physics and Chemistry of Glasses had a reasonable number of papers. No Open Access papers were published in 2016.

The on-line peer review system, Editorial Manager provided the support for the regional editors to work hard to get submissions quickly through to a decision. The same rigorous peer review is applied to all submissions to maintain high quality.

In 2016 Professor Russell Hand was the senior editor of the European Journal of Glass Science and Technology overseeing both Part B and Part A. In addition there are the regional editors: Dr Ulrich Roger (Germany), Dr Bo Jonson (Sweden), Professor Alicia Duran (Spain), Dr Alex Hannon (UK), Professor Marek Liska (Slovak Republic), Professor John Parker (UK), Professor L. Wondraczek (Germany), Professor Adrian Wright (UK) and Professor Yuanzheng Yue (Denmark).

Sara Lindley oversees the running of the Editorial Manager online submission and peer review system. She also takes manuscripts from Professor Hand to pre-proofing.

Mr David Moore, managing editor, makes up the editorial staff at the Society. The Society's presence on the World Wide Web, [www.sgt.org](http://www.sgt.org), has benefited from the skills of Christine Brown and by Lisa Fearn. Ms Brown has ensured the site meets all regulations on security and safe use of customer financial data.

Members and journal subscribers can access the peer reviewed papers on the internet through Ingenta. This helps the Society offer a more flexible subscription for students and our more distant subscribers. The pay-per-view income from Ingenta has brought in new income as has other copyright

royalties and rights offerings. News pages are now available to see on the Ingenta platform, social media will be used to promote page views.

The second Compendium of Glass Melting was published on CD in September in time for the SGT100 conference. This built on the original compiled by Geoff Evans but doubled in size with further presentations from Furnace Solutions and Training Day as well as relevant papers published in Glass Technology. Geoff was a valuable voice for the glass technologist and his death a great shock, the Compendium was dedicated to his memory.

Six books are now available through the Amazon print on demand system branded as CreateSpace, with two more in preparation. This allows the books to be distributed in the major Amazon regions with next day delivery.

The second volume of John Hemsley's two volume Glass in Engineering Science series Glass under Load has been published by the author. The Society is selling it via the website and the author is distributing.

Professor Cable's final book charting the development of the understanding glass making is in preparation A History of the firm of Chance Brothers & Co. was originally published by the company in 1919 with some later corrections.

The volume links with two other volumes: the translation of Guide du Verrier by Georges Bontemps and the second edition of Glass Manufacture by Walter Rosenhain as both authors worked for the firm. Ian Donald's The Science and Technology of Inorganic Glasses and Glass-Ceramics is available on the SGT website for members and Amazon at non-member price.  
David Moore

## UNIVERSITY LIBRARY

We continue to receive requests for articles, journals and books. Our collection is now entirely housed in Western Bank Library and as a result is easier to locate. We had an exhibition regarding our special collection books at Western bank library and was fondly received.

The library stock list of books and periodicals can be accessed on the internet at <http://library.shef.ac.uk>.

The librarian can be contacted by email at: [Lisa@sgt.org](mailto:Lisa@sgt.org)

## REPORTS FROM THE TECHNICAL COMMITTEES

### Analysis and Properties Committee

The Analysis and Properties committee membership has been largely static over the year but towards the end of 2015 we sadly lost Margaret Flower, John Marley (retirement) and David Lever (changed responsibility within his sponsoring organisation) but also recently welcomed back Alan Reynolds.

Much of the committees work effort has been directed towards the development of certified reference materials (CRM).

Work completed on a high purity silica sand and a new low iron float glass material is currently in progress.

Royalties to the Society from CRM sales via our partner The Bureau of Analysed Samples amounted to £6353.33 (including VAT) for 2015, a 35% increase on the previous year.

New CRM development schemes are under consideration for 2016 including various feldspar derivatives (candidate materials available for use).

The committee has also dealt with a range of technical issues submitted to the Society in relation to calibration, statistical interpretation and the review of documents for inclusion within the Society journal. Presentations on topics of concern to the glass (and supply) industry have also been discussed, most recently the potential change to respirable silica limits in sand and lead levels in recycled glass.

### Basic Science and Technology Committee

The BSTC welcomed new members Professor Doris Möncke, Dr Gavin Mountjoy and Dr Anita Zeidler.

Dr Vanessa Cutler and Dr Rudi Winter stood down from the committee. Again the committee would like to thank Vanessa and Rudi for their contributions. Dr Richard Martin has been nominated as SGT's 2016 candidate for the Gottardi Award.

### Melting Technical Report

The MTC continues to grow with new members Gary Barber (Saint Gobain Glass), John Allan (Superglass) and Kevin Rivers (Fives Stein) taking an active role. It is very encouraging that glass producers are willing to invest time into the Society and the committee. During the year Gary Laird (Honeywell) and Professor John Parker resigned their positions, with regret, on the committee. After 3 very positive years as chair of the MTC Neil Simpson resigned his post.

The committee elected myself as the new chair. I and the committee thank Neil, Gary and John for their support and contribution to the Society over the years.

The Furnace Solution conference continues to go from strength to strength and is now very well established in the diary of UK, European and International delegates. Income from the two day event was £20900 and expenditure was £4570 making it a financial success

Nigel Longshaw  
Chairman of MTC

## Yorkshire Section

The Yorkshire section has 12 members but most of them are very busy and struggle to attend meetings. So for 2016 we concentrated on the Dinner which was successful with 172 attending, and a photographer again to capture the highlights.

President of the SGT Russell Hand gave a short talk congratulating everyone who helped make the Centenary the success.

Christine Brown  
Yorkshire Section Secretary/Treasurer

	2016	2015
Glass Furnaces Design, Construction & Operation	11	8
Coloured Glasses	24	13
Stones and Cords in Glass	7	3
ESG Proceedings (Fundamentals of the Glass Manufacturing Process)	1	0
Topical Issues in Glass, Volume 1	0	0
Refractories in the Glass Industry	3	
Raw Materials for Glass Melting	5	2
Topical Issues in Glass, volume 2	0	
Basic Optical Stress Measurement in glasses	3	2
Topical Issues in Glass, Volume 3	0	
Ceramics and Glass: A Basic Technology - Hardback	2	0
Ceramics and Glass: A Basic Technology - Paperback	4	1
The Window Glass Makers of Saint Helens	4	1
Practising Stained Glass Safely	1	20
Borates Proceedings 2	0	0
Borates Proceedings 3	0	0
The Art of Glass	4	1
Bosc D'Antic Book on Glass Making	3	0
Glass Blowing	3	0
Old English Glass Houses	3	1
Early 19th Century Glass Technology in Austria & Germany	3	0
Fundamentals of Inorganic glasses	38	16
Glass to Meal Seals	5	2
Bontemps on glass making	2	1
Chemical Technology of Glass Zschimmer	0	4
Constitution of glass	3	0
Glass Bottle Machines	2	0
STIGG (Science Technology of Inorganic Glasses and Glass-Ceramics)	19	0
Glass Manufacture Rosenhain	2	0

Analysis of Journal Contents by number of pages (and number of particular item)	2016	2015
<b>Glass Technology</b>		
Proceedings/Features	0(0)	0(0)
News from the Marketplace	59	40
Conference Diary	12	12
Papers	139(18)	170(21)
Communications	0	0
Book Reviews	1	0
Index	1	1
Obituaries	3	1
<b>Physics and Chemistry of Glasses</b>		
Papers	277(41)	244(37)
Conference Diary	9	8
Book Reviews	0	0
Index	1	1
Communications	0	0
Editorial	0	0
<b>Journal Sales</b>		
Glass Technology	124	118
Physics & Chemistry of Glasses	135	107

# List of Officers, Council, Administrative, Technical and Section Committees for the year 2016

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Prof Russell Hand FSGT

## HONORARY SECRETARY

J. Henderson FSGT, MIM

## HONORARY TREASURER

Alan Stephens FSGT

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R. Hulme CFSGT

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D. Martlew BSc MSc PhD MRSC FIM CChem Hon. FSGT

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J. M. Parker FSGT

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I. D. Robertson FSGT

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CK Somany

A. Stephens

H. M. West CFSGT

C. Windle FSGT

A. C. Wright BSc, PhD, PGCE DSc, Hon. FSGT

And the Chairmen of the Board of Fellows, Technical Committees and Local Section Executive Committees ex officio.

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J. M. Parker

B. W. McMillan

R. Penlington

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D. Moore BSc (Eng)

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S. Lindley

D. Moore

L. Ashton

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Hawsons Accountants

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M Demmon

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