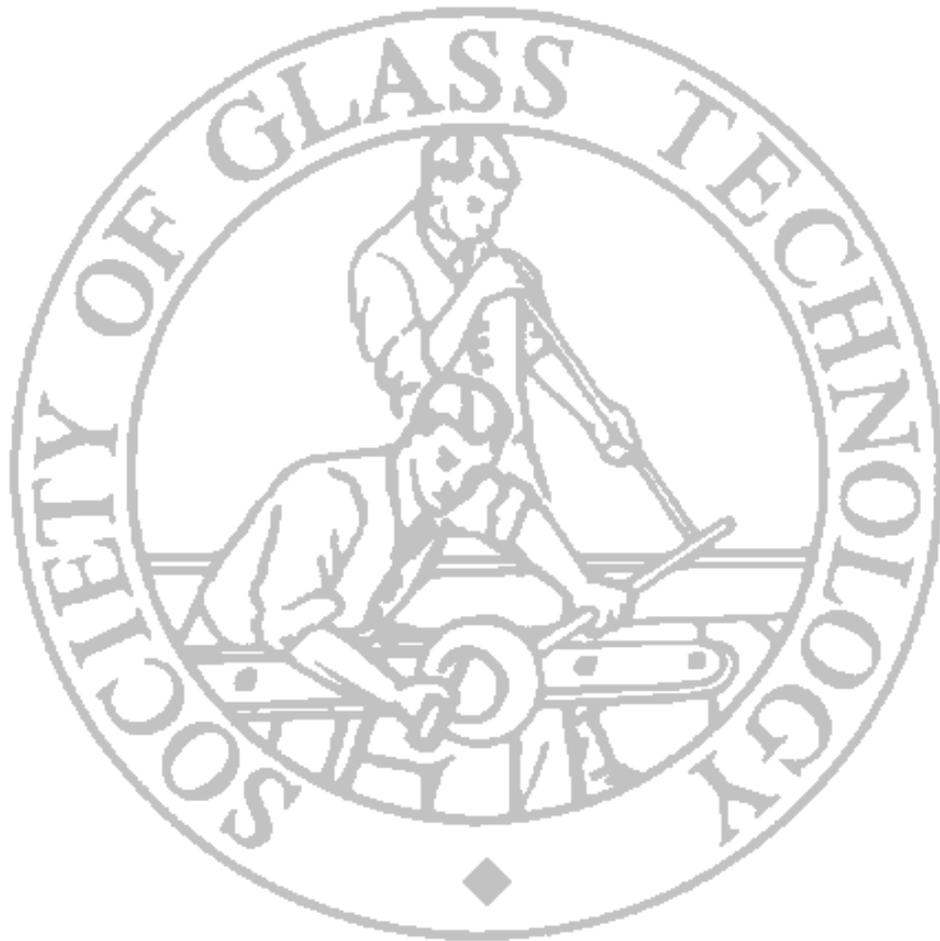


Society of Glass Technology

Annual Report and Accounts for the year ending 31 Dec. 2009



Honorary Secretary's Review of 2009

The challenges faced by the Society in 2009 were as important as any faced in recent years. Those imposed by the launch of Editorial Manager online submission system and the constant need to manage our resources and finance occupied much of the Officers, Steering Committee and staff time. The President ably led the Society from the front and represented it well in all her dealings with outside agencies and members alike. Finance will be at the top of our agenda for the foreseeable future and the Honorary Treasurer continued his sterling work on our behalf. His report should be read keeping in mind the effects of the economic recession on many areas of our business.

The Society arranged our usual two conferences in 2009. The popular one-day meeting Furnace Solutions was at CERAM, Stoke-on-Trent in June for the fourth in its series and attracted an improved and more diverse attendance than previously. This was especially welcome during some difficult times for the glass industry. This meeting continues to be seen as an excellent forum for learning, discussion and networking.

Lancaster 2009 had a strong technical programme and this was reflected in an increased attendance and positive feedback from delegates. Many attending were new to the Society's annual meeting and this promoted a lively atmosphere in both formal and social gatherings. A works visit was arranged to Quinn Glass at Elton. The number of delegates attending was small but the visit was a huge success with Quinn excellent hosts. The Conference staff did another superb job this year as many of you who met them face to face at our events will have seen. The application of their skills and understanding in helping our members delegates and visitors are a credit to the Society.

The currently active technical committees met regularly throughout 2009, continuing their internationally recognised work. You will find a review of their achievements and successes by their respective Chairmen later in this annual report. The work of our technical committees is increasingly recognised on an international scale and members can now be linked to meetings electronically in real time so contributors not able to attend meetings due to time or distance pressures can now play a full part in committee activities. The committees also contribute directly and indirectly to the Society's finances through their conference, monograph and CRM activities.

The Society's journals had another good year with publication dates met and excellent peer reviewed papers published. Editorial Manager, our new web based submission and review system came through its first full year to general acclaim. Although not without some glitches it proved to be a worthwhile investment and will enable the Society to give its members, contributors, reviewers and customers a much improved service in the coming years. The Managing Editor and Assistant Editor have put a lot of work into improving the basic set up of Editorial Manager to tailor it to our particular needs. They are to be congratulated on a job well done.

In reading the list of members and fellows who died this year you will no doubt be saddened by the loss of those you knew or had heard about. It is impossible for every member to know every other member but any loss is keenly felt by the Society and we send our sincere condolences to the families left behind.

Sadly during 2009 the Society had to formally agree to the closing of the Midlands and North West Sections. The reason for closure is of course familiar with too few active members to sustain a committee and programme. The closure was approved by Council at its autumn meeting and the sections' assets transferred to the Society. The Officers and the Society are indebted to those members of the two sections who have served and maintained them over the years since they were created (Midlands 1933 and North West 1944) and our special thanks go to those more recently who have facilitated the orderly closure.

The Scottish Section has not met for some years now and has effectively closed. The official proceedings of closure will begin in 2010.

Our office staff does a sterling job of keeping the Society running on a day to day basis and implementing Steering Committee or Council decisions. They are the main customer interface of the Society and discharge this duty with dedication, skill and humour. They deserve and get our grateful thanks. Our Librarian, Mary Parker, retired at the end of 2009 after long and distinguished service and we wish her good fortune and good health in the coming years.

2009 was a year of difficult circumstances made worse by the recession and its effect on our income. As a learned Society we rely on our income from our activities and we must work constantly to protect and develop what we have and cultivate new income streams. The future of the Society in servicing the needs of its members, its supporters, the glass community and furthering its charitable aims depends on our ability to achieve and maintain financial stability.

Honorary Treasurer's financial review

For the year to 31st December 2009 the Society has recorded a small reduction in operating loss. The presented accounts demonstrate a loss of £13,058 but during the course of the year £12,500 of a previous years £15,000 provision for the printing costs of the proceedings of the ESG meeting has now been released. This provision will not now be required, alternative electronic means of distributing any requested proceedings are in place. Without this specific item the operating loss would have amounted to £25,558. This compares to £32,436 in 2008. Again, as in previous years, the focus lies more with reduced incomes. Journal sales all but met budget but membership income declined with a shortfall against budget of £6,466. Miscellaneous income, interest from investments and local section meetings all added to the shortfall. Overall the shortfall in income totals approx £20,000 (for 2008 an equivalent figure was £25,000). Overall operating costs remain under control and have mainly fallen in line with budget. Having reviewed this situation the Officers have already implemented plans to address this problem, detail will be presented to the Council Meeting.

The performance of the investments has improved this year in that some growth in value has been achieved in concert with a Stock Market recovery. Overall the investments recovered somewhat but the gain was negated by operating withdrawals, net effect was a gain in balance sheet value of less than £500. Interest and dividends from these investments fell short of budget by £4,400 in the year. The Society must recognise that this is an inevitable outcome of the reduction in value seen last year, overall the income from investments remains above 6% a creditable achievement by Harris Allday.

2010 will see again see two major meetings, Furnace Solutions 5 to be held at Ceram, Stoke on Trent in June, and the Annual Meeting to be held in September again in Cambridge. Great progress has been made in recent years in improving the publicity for these meetings to stimulate attendance; members of Council will themselves be aware of the extensive use being made of the Internet and associated websites.

In summary 2009 has as predicted been a year of survival and this achievement is now being supported by further steps to achieve a better balance between income and cost. The continued dedication and work of the team based in Sheffield, remains undiminished, detail of the recovery plan will more than confirm. Individual efforts of many of our members continue to keep the Society pushing forward. We have to expect that the overall financial conditions prevalent in 2010 will not aid the Society in any way, but our team will continue to seek further opportunities wherever they may arise.

R.K.Duly, February 2010

ELECTION OF OFFICERS

Mrs Margaret West was elected as President at the Annual General Meeting. Mr Brian McMillan was elected as President Designate. Mr J Henderson was re-elected as Honorary Secretary. Mr R K Duly was re-elected as Honorary Treasurer.

ELECTION TO FELLOWSHIP

The following members were elected to Fellowship of the Society:

Antonio Pires de Matos
S K Sunderam
Safa Kasap
Ian D Robertson
Peter J Pearson

ELECTION TO FELLOW EMERITUS

No members were elected for this award

ELECTIONS TO HONORARY FELLOWSHIP

No members were elected for this award

ELECTIONS TO COUNCIL

A Stephens, I Robertson, and G Evans, were elected to Council and J Osborn and C Windle were elected as Vice Presidents for the years 2009-2012

DEATHS

It is with great regret that Council has to announce the deaths of the following Members, Fellows and Honorary Fellows during 2009

Mr P L Cooke
Mr G Higginbotham
Dr B A Shakhmatkin

PUBLICATIONS

Parts A and B of the *European Journal of Glass Science and Technology* appeared six times in 2009 with more time brought back and better scheduling. The on-line peer review system is fully working and the number of regional editors has increased.

The supply of papers to both journals in 2009 was very healthy. Along with regular submissions papers from ESG 2006, ICG Strasbourg and Borate2008 conference papers all appeared. The same rigorous peer review is applied to all submissions to maintain high quality. Dr Alex Hannon has worked hard to get the Borate2008 conference published in good time.

Dr Russell Hand continued as the senior editor of *Glass Technology*; *European Journal of Glass Science and Technology Part A*.

In addition there are the regional editors: Professor Christian Rüssel (Germany), Dr Ulrich Roger (Germany), Dr Bo Jonson (Sweden), Professor Rene Vacher (France), Professor Alicia Duran (Spain), Dr Alex Hannon (UK), Professor Marek Liska (Slovak Republic), Professor Srinivasa Buddhudu, Professor L. Wondraczek (Germany), Professor Adrian Wright (UK), Professor John Parker (UK) and Professor Yuanzheng Yue (Denmark).

Miss Sara Lindley has led the commissioning of the Editorial Manager online submission and peer review system. This is a powerful tool which provides a high quality support for editors, authors and referees.

Professor John Parker continued to contribute to the wealth of information in the Society's publications in his role as abstracts and book reviews editor. Abstracts covering a wide range of journals, books and conferences for these important sections of both journals. Abstract numbers and pages published were up on 2008 in both journals.

The Society Librarian, Mrs Mary Parker, retired at the end of 2009, Miss Lisa Fearn has taken over the preparation of abstracts for publication.

Mr David Moore, managing editor, makes up the editorial staff at the Society.

Links with *Glass International* continued at the start of 2009 with two pages of *SGT News* appearing in the first five issues of the year. This was halted later in the year as budgets were tightened.

The Society's presence on the World Wide Web, www.sgt.org, has benefited from the skills of Mrs Christine Brown and by Lisa Fearn. Much of the site is now managed directly by the SGT office. Each Section and Technical Committee has its own mini site. Mrs 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.

There were no new books published in 2009, Professor Michael Cable is nearing completion of a translation of a major German book, due to be published in 2010.

David Moore

FRANK WOOD/ST GEORGE'S LIBRARY

Mary Parker retired at the end of 2009 from her role as librarian at St George's library. Many thanks to Mary. Lisa Fearn as taken over the role and will be in the library on a Monday or contacted at the Society offices on other days. 2009 was again popular for photocopying articles from the journals at the library, requests continue to be primarily via the internet or phone rather than visitors to the library. Request for papers from the society's archive as significantly increased this year. This has been aided by the extensive electronic catalogue that we now have available and the technological advances for purchasing the papers online. 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@glass.demon.co.uk

RESIDENTIAL DISTRIBUTION OF SOCIETY

MEMBERS ON 31 DECEMBER 2009

	Honorary Fellow	Fellow Emeritus	Fellow	Corporate Member	Member	2009(2008)
Section						
London	4	1	7	2	23	37
Midlands	0	0	6	0	12	18
North East	0	2	3	0	3	8
North West	0	0	6	1	12	19
Scotland	1	0	2	0	4	7
Yorkshire	4	2	24	5	41	76
<i>British Total</i>	9	5	48	8	95	165(184)
Africa	0	0	1	0	2	3
Asia (except India & Japan)	0	0	1	1	15	17
Australia and New Zealand	0	0	1	0	6	7
Central & South America	0	0	1	0	1	2
Europe	2	0	4	3	24	33
India	0	0	2	0	9	11
Japan	0	0	0	0	12	12
USA &	1	0	16	1	30	48
Canada						
<i>Overseas Total</i>	3	0	26	5	99	133
TOTALS	12	5	74	13	194	298(329)

REPORTS FROM THE TECHNICAL COMMITTEES

Analysis and Properties Committee - 2009 Annual Report Contribution.

2009 highlights include:

- *Production of two articles for inclusion within the Society journal covering the sampling and analysis of glass-making sands.*
- *Numerous round robins organised to generate certified reference materials for soda ash, low iron float glass, silica sand, soda feldspar and high purity silica in association with BAS Ltd.*
- *Increased cooperation with TC2 looking into method dependency for low iron limestone and dolomite matrices.*

The A+P Committee met four times over the course of 2009, three meetings at the SGT Offices and one at GTS. The committee continues to be supported by a dedicated core group of members drawn from the analytical, glass and raw material fields.

The long awaited "permission" to proceed with the review of BS3108 Parts 1 and 2 for limestone and dolomite is still awaited. BSI has changed its internal procedures and the approval system appears cumbersome. It is hoped progress will be made in 2010. In addition any new National and International standards relating to the use of glass in "Solar" applications will continue to be monitored.

The Committee continues to develop new reference materials to meet the changing requirements of the glass industry. Key targets for 2010 include the provision of a new soda ash reference material (for carbon trading purposes) and a new low iron glass to reflect the general shift to low iron systems for Solar related applications.

Links between A+P and the ICG's TC02 group continue to strengthen with TC02 members providing very valuable analytical technical support to the Committees work programmes.

S N Jamieson January 2010.

Basic Science and Technology Committee

The Basic Science and Technology Committee is concerned with organising awards and the science programme at conferences. It liaises with the academic community including students. The BSTC meets twice a year in person at Sheffield and holds additional meetings on specific topics on a dedicated web forum.

The BSTC welcomes Vanessa Cutler (Swansea Metropolitan) as its latest active member. Vanessa uses technology for artistic glass design and will provide a link with the artistic wing of the academic glass community.

--- Awards ---

The BSTC decided to formally invite submissions to the Oldfield Award for undergraduate project work from students across the globe, as long as they can provide a version of their report in English. At the same time it was decided to clarify the subject eligibility criteria to include arts projects explicitly and to remove the limit of two submissions per department.

There were six entries in the Oldfield Award 08/09 (from Aberystwyth, Bath, Warwick and West of Scotland (3)). The prizes were awarded to:-

1st: Emma Catterall, Bath: Investigating the characteristic properties and fragility of glucose and sucrose glass using MDSC measurements, x-ray diffraction and infrared spectroscopy

2nd: Oliver Alderman, Warwick: Investigation of devitrification kinetics and sub-solidus BaOB2O3 phase diagram in the vicinity of the barium diborate stoichiometric composition

3rd: not awarded

The Paul Award for the best presentation by a New Researcher at Lancaster went to:

Jeremy Soulié, Clermont-Ferrand: Influence of Magnesium on the physico-chemistry at bioactive glass / biological medium interface studied by Micro-PIXE

The BSTC decided to recommend to the SGT to put forward Paul Bingham (Sheffield) for the ICG's Gottardi Award 2010.

The deadline for this year's entries for the Oldfield Award is 30 June. Projects should have been completed during the preceding academic year 09/10 and should be submitted as pdf files to the SGT office.

--- Conferences ---

This year's annual conference at Lancaster had a packed Science programme including talks from as far afield as Egypt, France, Iran, Russia, Sweden and the USA. In addition, twelve New Researchers presented talks on their final-year or PhD projects.

On the final day, a short workshop on opto-electronics was held, which was organised by Animesh Jha (Leeds).

Abstract submissions for Cambridge 2010 have started, with six entries for the Science session and three for the New Researchers' Forum already listed on the website. The Friday workshop, which is beginning to become a tradition, will this year focus on Characterisation Techniques and will be organised by Paul Bingham (Sheffield). If there is sufficient interest, we would also like to pioneer an exhibition of tangible objects (artwork, samples, specimens, products) during the welcome reception.

Melting Technical Committee, Annual Report '09

The committee continued to remain very active with the focus of the Furnace Solutions (4) Conference held in June. Despite the global financial situation there were 75 attendees; 20% from overseas; 10 papers were given.

The informal gathering the night before has also gained momentum with an increasing attendance; this event helps define the "difference" of the Furnace Solutions Conference; the informal nature is definitely an attraction.

There was an increased focus on the Annual Meeting through the stewardship of John Osborn, resulting in an excellent programme which increased attendance in comparison with '08. John will continue with the annual meeting this year, whilst Geoff Evans will maintain the impetus for Furnace Solutions.

The next Furnace Solutions Conference (5) will be held on the 10th of June 2010; planning is in the advanced stages with committed papers and advertising. Potential sponsors are being contacted.

The committee met 4 times in 2009; attendance has reduced to the few core members which although is appropriate to the tasks at hand it is not sustainable for the future. The committee membership has been affected by retirements, professional career changes and sadly the loss of those who are no longer with us. Consequently a recruitment drive is ongoing in conjunction with ensuring that as many people as possible on the current committee membership attend.

The committee is looking to the future of Glass Making in the UK and the role of the SGT. We feel that the technological members would look to the MTC committee for training and development of personnel and in particular encouraging those starting their careers.

To achieve this we are looking to revise and issue the IGDS (Glass Module) information and introduce a training day; perhaps alongside Furnace Solutions.

We have suggested an early career award that could be given at the Furnace Solutions Conference.

We have noted the success of the Institute of Refractory Engineers training programme in attracting new members and specifically "young" members to their Institute.

As Chairman of the MTC and Vice Chairman of the IRE, I intend to introduce Glass Making Refractories into the IRE training programme and thereby raise awareness of the SGT and membership benefits.

Chris Windle

Chairman
MTC Committee

Report of the Indian Section for the year ending December 2008

Yorkshire Section

Yorkshire Section programme during 2009. 27th February ten-pin bowling at Rotherham Superbowl, six teams of six competed. Mr Marc Brew presented the Sports Trophy to the SGT team. The Sheppee 'A' Team team were runners-up. 28th May AGM in conjunction with the SGT AGM and was held on A&B Passenger Boats with a supper provided afterwards. A Visit to Corus Scunthorpe held on the 22nd October attracted 10 visitors. 4th December the Annual Dinner Dance was held at Sheffield Park Hotel, 167 people were present. Bobby Knutt was guest speaker. Glass Vases to commemorate the 75th Anniversary of the Yorkshire Section were given to the ladies.

North East Section

Annual Report 2009

Commercial glass making and the manufacture of products based on silica and silicates products is at a very low ebb in the North East and is largely confined to the National Glass Centre for glass, Saint Gobain Quartz for silica and Errington Reay for fireclay products; similarly the activities of the North East Section have also been limited.

Two meetings were held viz :-

The AGM held at 1 Springfield Close, Ovington, Northumberland on 10th June 2009 was attended by nine people.

The Christmas Social held at Winships, also in Ovington, on 11th December 2009 was attended by thirteen people including the President Mrs Margaret West and her husband Norman.

Attempts have been made to organise joint meetings with the North East Branch of the Energy Institute, these will continue, and it is hoped that they will come to fruition during 2010.

Monograph Sales	2008	2009
Monograph Sales	23	7
Glass Furnaces Design, Construction & Operation	26	21
Coloured Glasses	3	7
Stones and Cords in Glass	1	2
ESG Proceedings (Fundamentals of the Glass Manufacturing Process)	0	1
Topical Issues in Glass, Volume 1	17	11
Refractories in the Glass Industry	12	7
Raw Materials for Glass Melting	0	2
Topical Issues in Glass, volume 2	18	9
Basic Optical Stress Measurement in glasses	0	0
Topical Issues in Glass, Volume 3	10	1
Ceramics and Glass: A Basic Technology - Hardback	6	15
Ceramics and Glass: A Basic Technology - Paperback	4	6
The Window Glass Makers of Saint Helens	4	1
Practising Stained Glass Safely	0	2
Borates Proceedings 2	0	0
Borates Proceedings 3	6	10
The Art of Glass	4	2
Bosc D'Antic Book on Glass Making	6	1
Glass Blowing	5	3
Old English Glass Houses	6	4
Early 19th Century Glass Technology in Austria & Germany	29	60
Fundamentals of Inorganic glasses	29	22
Glass to Meal Seals	5	9
Bontemps on glass making		

Analysis of Journal Contents by number of pages (and number of particular item)

	2008	2009
Glass Technology		
Proceedings/Features	2(1)	0(0)
News from the marketplace	16	15
Conference Diary	11	12
Papers	298(40)	298(53)
Communications	2	1
Letters		
Book Reviews	0	0
Abstracts	52(630)	48(580)
Index	4	4
SGT News	0	0
Obituaries	0	4
Physics and Chemistry of Glasses		
Papers	345(53)	298(40)
Conference Diary	8	4
Book Reviews		0
Abstracts	72(597)	66(540)
Index	8	8
Communications	1	0
Editorial	0	0
SGT News	0	0
Journal Sales		
Glass Technology	287	196
Physics & Chemistry of Glasses	209	205

List of Officers, Council, Administrative, Technical and Section Committees for the year 2009

PRESIDENT

Mrs Margaret West FSGT

PRESIDENT DESIGNATE

Mr Brian McMillan

HONORARY SECRETARY

J. Henderson FSGT, MIM, CSci

HONORARY TREASURER

R.K. Duly AIWM, FSGT

VICE PRESIDENTS

A. Croxall FSGT

M. Holden

J. M. Parker MA, PhD, CEng, FIM¹, FSGT

R. M. Sales BSc CChem MRSC Hon.FSGT

J. Osborn MSc Tech FSGT

C Windle FSGT

COUNCILLORS

M. C. Brew BSc FSGT

W L Brookes BSc MSc CEng EurIng MInstE MInstMgt FSGT

D. Crozier BSc PhD FSGT

G. Evans

R. J. Hand MA PhD, FSGT

P. Wren Howard BA FSGT

S. Jamieson

N. Johnson MEng PhD (nee Marriott)

I. D. Robertson

G. Simpson BA FSGT

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

PAST PRESIDENTS

D. Martlew BSc MSc PhD MRSC FIM CChem FSGT

J. M. Parker

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

J. Henderson

R. J. G. Bell BA

MANAGING EDITOR

D. Moore BSc (Eng)

EDITOR "GLASS TECHNOLOGY"

European Journal of Glass Science & Technology Part A

R. J. Hand

ABSTRACTS EDITOR

J. M. Parker

ADMINISTRATION STAFF

C. Brown

M. Parker

S. Lindley

L. Fearn

AUDITORS

Holmes Widlake, Sheffield

BOARD OF FELLOWS

M. Brew (Recorder) FSGT

W. L. Brookes

S. Feller PhD, Sc.M FSGT

A.Jha FSGT

D. Martlew (chairman)

B. McMillan MSc FSGT

J. M. Parker

R. Penlington

A. K. Varsheya BSc BSc Tech PhD MS FSGT

N Vedishcheva FSGT

P. Watkins BSc, MSc, PhD FSGT

C. Windle FSGT

A.C. Wright FSGT

E. Zanotto BSc MSc PhD FSGT

And the President of the Society ex officio

C. K. Somany (Chairman)

J. Mukerji (Hon. Sec.)

N. Sood-Biswas (Hon. Treas.)

C. Ganguly

S. K. Gupta

V. C. Jhosi

Sushil Jhunjhunwala

Sajjan Jhunjhunwala

B. L. Kheruka

H. S. Maity

A. Modi

A. K. Roy

P. N. Roy

NORTH AMERICAN SECTION

S. Feller (Secretary)

K. Richardson (Chairman)

LONDON SECTION

Maurice Holden (Chairman)

Nadine Cass (Treasurer)

Alan Stephens (Secretary)

Lee Homer

Terry Harper

NORTH EAST SECTION

C. Bray

W. L. Brookes (Secretary)

B. Clark

D. S. Crozier

K. Dostal

R. Penlington (Chairman)

N. C. Savage

NORTH WEST SECTION disbanded AGM 2008

I. H. Smith (Chairman)

M. J. Horsley (Secretary)

D. Bain (Treasurer)

D. Martlew

YORKSHIRE SECTION

M. Brew (Chairman)

A. Croxall

L. Rumford

C. Brown

A. Lawrence

S. Holmes

N. Johnson (nee Marriott)

I. D. Robertson

R. M. Sales (Secretary)

R. Swift

M. Flower

D. Dalton

STEERING COMMITTEE

W.L. Brookes

R. K. Duly

R. J. Hand

A. C. Hannon

J. Henderson

D. Martlew

B. W. McMillan

D. Moore

J. M. Parker

R. Penlington

H. M. West

R Winter

A. C. Wright

ANALYSIS & PROPERTIES COMMITTEE

I. Anderson
M. Flower
S. Jamieson (Chairman)
S. Jones
J. Marley
N.J. Johnson (nee Marriot)

J. Mayher
P. McClusky
T. Moran
J. A. Reynolds
R. M. Sales
R. Schwartz

BASIC SCIENCE & TECHNOLOGY COMMITTEE

Paul Bingham (secretary)
Aldo Boccaccini
Vanessa Cutler
Russell Hand
Diane Holland
David Hollis
Martin Horsley

Animesh Jha
Jonathan Knowles
Bob Newport
John Parker
Margaret West
Rudolf Winter (chairman)

MELTING TECHNOLOGY COMMITTEE

Mr K Albutt
Mr B Brightmore
Mr M Demmon
Mr G Evans
Mr M Hanstock
Mr M Horsfield
Mr D Lieberman
Dr N J Johnson (nee Marriott)
Mr M Marshall
Mr PM Myers
Mr J R Osborn
Mr J A Reynolds
Mr C M Robinson
Mr D Senior
Mr I L Shoveller
Mr J Theron
Mr A Thiede
Mr A Varney
Mr P R West
Mr I R Whittaker
Mr S Williams
Mr C Windle

SOCIETY OF GLASS TECHNOLOGY

REPORT AND FINANCIAL STATEMENTS

YEAR ENDED 31ST DECEMBER 2009

Contents	Page
Legal and Administrative Information	1/2
Report of the Council	3/4
Report of the Independent Examiners	5
Balance Sheet	6
Statement of Financial Activities	7
Notes to the Financial Statements	8/14

Registered Charity Number: 237438

SOCIETY OF GLASS TECHNOLOGY

LEGAL AND ADMINISTRATIVE INFORMATION

YEAR ENDED 31ST DECEMBER 2009

Constitution

Society of Glass Technology is a registered charity number 237438. It operates under Rules and Regulations which constitute its governing document.

Officers and Council Members

In accordance with Rule 18 of the governing document, the council consists of the President, President-Designate, five past Presidents, six Vice-Presidents, Honorary Secretary, Honorary Treasurer and fifteen Councillors together with, as *ex officio* Members, the Chairman of the Board of Fellows, Presidents of overseas sections and Chairmen of executive committees of local sections and of technical committees as are not already Members of the Council.

Under Rule 28, the President shall hold office for one year, but shall be eligible for re-election for a further consecutive year.

The Honorary Secretary and Honorary Treasurer may each hold office for five years and shall be eligible for re-election.

Two Vice-Presidents and five councillors shall retire annually and shall not be eligible for re-election to the same office until after an interval of one year.

The Council Members who served during the year and to the date of this report, except where indicated, are as follows:

M C Brew
 W L Brookes
 A Croxall - Vice President
 Dr D Crozier
 R K Duly - Honorary Treasurer
 G Evans
 Dr R J Hand
 J Henderson - Honorary Secretary
 M Holden - Vice President
 P W Howard
 S Jamieson
 S A Jones (retired 28th May 2009)
 Dr N J Johnson
 Dr D Martlew
 B W McMillan - President Designate

J R Osborn - Vice President
 Dr J M Parker - Vice President
 Dr R Penlington
 Dr K A Richardson
 I D Robertson
 R M Sales - Vice President
 C K Somany
 A Stephens
 H M West - President
 C Windle - Vice President
 Dr R Winter
 Professor A C Wright

Legal and Administrative Information - continued

Principal Office	Unit 9 Twelve O'Clock Court 21 Attercliffe Road Sheffield S4 7WW
Independent Examiners	Holmes Widlake Chartered Accountants 3 Sharrow Lane Sheffield S11 8AE
Bankers	Barclays Bank plc PO Box 493 Sir Frank Whittle Road Derby DE1 9UU
Solicitors	Keeble Hawson Old Cathedral Vicarage St James' Row Sheffield S1 1XA
Investment Advisers	Harris Allday 33 Great Charles Street Birmingham B3 3JN

SOCIETY OF GLASS TECHNOLOGY

REPORT OF THE COUNCIL FOR THE YEAR ENDED 31ST DECEMBER 2009

The Council Members present their Annual Report together with the Financial Statements for the year ended 31st December 2009.

Legal and Administrative information set out on pages 1 and 2 forms part of this Report. The Financial Statements have been prepared in accordance with the accounting policies set out on pages 8 and 9 and comply with the Society's governing document and applicable law.

Objects and Activities of the Society

The Society was founded to advance the study of glass technology through the publication of books and journals, the forming and maintaining of a library, to be the organising body of meetings, conferences and exhibitions and to collaborate with other organisations in the pursuit of any common objectives. To do this it:-

- * publishes bi-monthly journals *Glass Technology* and *Physics and Chemistry of Glasses*
- * issues various other publications from time to time
- * organises conferences, meetings and workshops
- * purchases books and periodicals for the library

Organisation

The Council Members who have served during the year and since the year end are set out on page 1. The Council Members meet half yearly, but a Steering Committee, which meets at least four times a year, handles the main business affairs of the Society, and accounts for its actions to the Council meetings. The Steering Committee is also responsible for supervising the activities of the Standing Committees, which cover finance, technical and corporate activities, membership interests and professional issues.

Financial Results and Investment Policy

The Statement of Financial Activities for the year is set out on page 7 of the Financial Statements. The financial results for the General Fund after amalgamation with the Thornton Fund show that income decreased by **£3,114** and expenditure decreased by **£18,232**.

The surplus for the year on the Simpson Fund was **£6,688** which was consistent with the previous year.

The combined effect of these movements was to produce a net outgoing of resources for the year of **£13,058**. Net gains and losses on the sale and revaluation of investments totalled **£13,501** such that fund balances increased by **£443** to **£221,513**.

There are no restrictions on the Society's power to invest. The investment strategy is set by the Council Members, to take account of income and funding requirements. The Council Members consider the risk profile and the investment advisers' view of the market prospects in both the short and the medium term. This strategy is set within an overall policy that the respective funds are invested in low and moderate risk investments, with a view to seeking capital appreciation of the funds, together with income sufficient to support expenditure on direct and support costs.

Reserves

Note 3 to the Financial Statements shows the various funds by type and summarises the year's movements on each fund. Unrestricted funds amounted to **£221,513**, of which **£6,661** was invested in tangible fixed assets, leaving the balance freely available. The level of free reserves which are not invested in tangible fixed assets, provides adequate funds to cover normal management, administration and support costs.

The Council Members are continuing to seek to increase income, the measures put in place are expected to produce benefits in future years.

Risk Management

The Council Members have examined the major business and operational risks which the Society faces and confirm that systems have been established to monitor and control these risks so that the necessary steps can be taken to mitigate any impact.

Approved by the Council

R K Duly

Honorary Treasurer

10th March 2010

INDEPENDENT EXAMINERS REPORT TO THE TRUSTEES OF
SOCIETY OF GLASS TECHNOLOGY

I report on the Financial Statements of the Society for the year ended 31st December 2009, which are set out on pages 6 to 14.

Respective Responsibilities of Trustees and Examiner

The Charity's Trustees' are responsible for the preparation of the Financial Statements. The Charity's Trustees' consider that an audit is not required for this year under Section 43(2) of the Charities Act 1993 (the 1993 Act) and that an independent examination is needed.

It is my responsibility to:

- a) examine the Financial Statements under section 43(3)(a) of the 1993 Act;
- b) to follow the procedures laid down in the General Directions given by the Charity Commissioners under section 43(7)(b) of the 1993 Act; and
- c) to state whether particular matters have come to my attention.

Basis of Independent Examiners Report

My examination was carried out in accordance with General Directions given by the Charity Commissioners. An examination includes a review of the accounting records kept by the Charity and a comparison of the Financial Statements presented with those records. It also includes consideration of any unusual items or disclosures in the Financial Statements, and the seeking of explanations from you as Trustees concerning any such matters. The procedures undertaken do not provide all the evidence that would be required in an audit and, consequently no opinion is given as to whether the accounts present a 'true and fair view' and the report is limited to those matters set out in the statement below.

Independent Examiners Statement

In connection with my examination, no matter has come to my attention:

- 1) which gives me reasonable cause to believe that, in any material respect, the requirements:
 - to keep accounting records in accordance with section 41 of the 1993 Act; and
 - to prepare Financial Statements which accord with the accounting records and to comply with the accounting requirements of the 1993 Acthave not been met; or
- 2) to which, in my opinion, attention should be drawn in order to enable a proper understanding of the Financial Statements to be reached.

3 Sharrow Lane,
Sheffield, S11 8AE
12th March 2010

T W HOLMES FCA
Holmes Widlake
Chartered Accountants

SOCIETY OF GLASS TECHNOLOGY**BALANCE SHEET AT 31ST DECEMBER 2009**

<u>2008</u>		note	
	Fixed Assets		
8,070	Tangible	4	6,661
<u>255,757</u>	Investments	5	<u>239,577</u>
<u>263,827</u>			246,238
	Current Assets		
19,026	Stock		14,159
5,113	Debtors	6	9,009
<u>51,058</u>	Cash at Bank and in Hand	7	<u>54,345</u>
75,197			77,513
<u>117,954</u>	Creditors: amounts falling due within one year	8	<u>102,238</u>
<u>(42,757)</u>	Net Current Assets (Liabilities)		<u>(24,725)</u>
£ 221,070	Net Assets (Liabilities)	9	£ 221,513
<hr/>			
	The Funds of the Charity		
£ 221,070	Unrestricted Funds - General and Designated Funds	3	£ 221,513
<hr/>			

Approved by the Council on 10th March 2010

R K Duly

J Henderson

SOCIETY OF GLASS TECHNOLOGY
NOTES TO THE FINANCIAL STATEMENTS
YEAR ENDED 31ST DECEMBER 2009

1 Accounting Policies

(a) Basis of Preparation

The Financial Statements are prepared under the historical cost convention, as modified by the inclusion of investments at market value and in accordance with applicable accounting standards. In preparing the Financial Statements the Charity follows best practice as set out in the Statement of Recommended Practice 'Accounting and Reporting by Charities' (SORP) issued in March 2005.

(b) Fund Accounting

The General Fund is an unrestricted fund arising on the carrying out of the general activities of the Society. The Designated Funds comprise unrestricted funds that have been earmarked by the Society for particular purposes, as set out in the notes to the Financial Statements. Investment income and gains (losses) are allocated to the appropriate fund.

(c) Income Resources

Income is recognised in the period in which the Society is entitled to receipt and the amount can be quantified with reasonable accuracy. Income is deferred only when the Society has to fulfil conditions before becoming entitled to the income.

(d) Resources Expended and Basis of Allocation of Costs

Resources expended are included in the Statement of Financial Activities on an accruals basis, and are recognised when there is a legal or constructive obligation to pay for expenditure and have been classified under headings that aggregate all costs relative to the category.

Charitable expenditure comprises all expenditure directly relating to the charitable objectives. Management and administration costs include a proportion of the salaries of staff for time spent on management and administration matters and an apportionment of establishment expenses calculated on the office space occupied by those staff.

1 Accounting Policies - continued

(e) Tangible Fixed Assets

Depreciation has been charged to write off the assets over their estimated useful economic lives at the following annual rates:

Office Equipment, Furniture and Fittings	20% on cost
Computer Equipment and Website Development Costs	25% on cost

(f) Investments

Investments are included in the Balance Sheet at market value as at 31st December 2009. The market value of quoted investments has been provided by the Society's investment advisers.

The Statement of Financial Activities includes the net gains and losses arising on revaluations and disposals during the year.

The historical cost of investments appears by way of note.

(g) Stock

Stock has been valued at the lower of cost and net realisable value after making due allowance for any obsolete or slow-moving items.

(h) Pension Scheme

The Company operates a defined Contribution Pension Scheme. The pension cost charge represents contributions payable by the Company to the Scheme in respect of the year.

2 Status

The Society is a registered Charity, registered with the Charity Commission under the Charities Act 1960.

3 Unrestricted Funds

	Balance		<i>Movement in</i>		Balance 31st Dec 2009
	1st Jan 2009	Transfer	<i>Resources</i> Incoming	Outgoing	
General Fund	(159,196)	176,442	-	(17,246)	-
Designated:					
Dr D K & Mr Guy Simpson Fund	408,135	(204,311)	17,689	-	221,513
Thornton Fund	(27,869)	27,869	-	-	-
	221,070	-	17,689	(17,246)	221,513

The Simpson designated fund, which originates from the gift donated by Mr Guy Simpson and the legacy from Dr D K Simpson, has continuously been separately identified within the Society's funds. The fund is utilised to support expenditure on specific activities when required.

The Thornton designated fund arises from the proceeds of disposal in 1998 of the former office property "Thornton" which had been owned by the Society for many years. With effect from 1st January 2009 the fund was amalgamated with the General Fund.

4 Tangible Fixed Assets

	Equipment, Furniture & Fittings
Cost	
1st January 2009	51,064
Additions	172
31st December 2009	51,236
Depreciation	
1st January 2009	42,994
Charge for the year	1,581
31st December 2009	44,575
Net Book Value	
31st December 2008	8,070
31st December 2009	6,661

In addition to the capitalised fixed assets the Society owns certain historic assets. These are irreplaceable originals for which there is no ascertained cost or valuation; accordingly these assets have not been capitalised in the Financial Statements.

	<u>2009</u>	<u>2008</u>
5 Investments		
Market Value at 1st January 2009	240,512	333,568
Acquisitions at Cost	74,708	97,509
Sale proceeds from Disposals	(119,822)	(77,883)
Realised Gain (Loss) in the Year	161	764
Unrealised Gain (Loss) in the Year	13,340	(113,446)
Market Value at 31st December 2009	<u>208,899</u>	<u>240,512</u>
Cash at Bank awaiting investment	30,678	15,245
	<u>239,577</u>	<u>255,757</u>

Investments at Market Value comprised:

UK Equities	165,256	141,634
UK Fixed Interest Securities	32,643	57,878
UK Variable Interest Securities	11,000	41,000
	<u>208,899</u>	<u>240,512</u>
Historical Cost as at 31st December 2009	<u>290,152</u>	<u>407,137</u>

Investments in individual entities held at 31st December 2009 which are over 5% of portfolio by value are:

Market Value

Aviva plc	11,937
BP plc	12,000
Experian plc	16,913
GlaxoSmithKline plc	15,174
National Savings Income Bonds	11,000
Nationwide Building Society 7.25% Bonds	11,100
Severn Trent plc	13,575
Vodafone Group plc	14,370

	<u>2009</u>	<u>2008</u>
6 Debtors		
Trade Debtors	1,408	1,917
Other Debtors	1,585	438
Prepayments	5,659	938
Accrued Income	357	1,820
	<u>9,009</u>	<u>5,113</u>

7 Cash at Bank and in Hand		
Bank Deposit Accounts	54,121	50,395
Cash in Hand	224	663
	<u>54,345</u>	<u>51,058</u>

	<u>2009</u>	<u>2008</u>
8 Creditors: Amounts falling due within one year		
Bank Indebtedness	-	522
Trade Creditors	15,642	7,353
Other Creditors	6,329	10,267
Accruals	6,011	22,368
Deferred Income	74,256	77,444
	<u>102,238</u>	<u>117,954</u>

Deferred Income comprises subscriptions and other income received in advance.

	Tangible		Net	Total
	Fixed	Investments	Current	
	Assets		Assets	
			(Liabilities)	
9 Analysis of Net Assets Between Funds				
General Fund	6,661	106,841	(113,502)	-
Simpson Fund	-	132,736	88,777	221,513
	<u>6,661</u>	<u>239,577</u>	<u>(24,725)</u>	<u>221,513</u>

	<u>2009</u>	<u>2008</u>
10 Journal Sales		
Glass Technology	51,131	33,921
Physics and Chemistry of Glasses	49,908	46,838
ICG Peer Reviewed Papers	148	80
DCG Members	310	-
European Journal of Glass Science and Technology	9,917	6,111
	<u>111,414</u>	<u>86,950</u>
11 Subscriptions from Members		
Current - Collective	3,659	3,344
- Personal	22,705	22,652
- Tax Relief on Gift Aid	-	2,995
- Other	-	88
	<u>26,364</u>	<u>29,079</u>
Arrears	170	2,441
	<u>26,534</u>	<u>31,520</u>
12 Miscellaneous Income		
Software for European Journals	-	5,688
Sales of Specimens of Standard Glasses and Sands	5,066	6,440
Sundry Income	4,156	6,359
	<u>9,222</u>	<u>18,487</u>

13 Meetings

Meetings income for the year was **£24,115** of which the principal source was the Annual Meeting. This compares with income for the previous year of **£27,448** of which the principal source was the Annual Meeting.

14 Investment Income and Interest

	General Fund	Simpson Fund	2009	2008
Dividends - UK Equities	3,190	5,348	8,538	10,250
Interest - UK Fixed Interest Securities	2,088	1,323	3,411	4,428
- UK Variable Interest Securities	619	17	636	1,953
- Cash Deposits	15	-	15	2,105
	5,912	6,688	12,600	18,736

15 Costs of Activities in Furtherance of the Society's Objects:

Charitable Expenditure	2009	2008
Journal Printing	11,082	19,990
Printing Glass Cone	-	257
Editorial Salaries and National Insurance	58,994	60,856
Honoraria - Editorial Staff	4,900	7,000
Abstract and Commissioned Reviews	-	88
Bound Volumes and Binding Cases	-	690
Editorial Expenses	2,055	947
Carriage and Despatch of Journals	5,856	4,774
Other Salaries and National Insurance	23,150	26,427
Establishment Expenses - (note 17)	23,662	23,491
Meetings	17,988	22,848
Royalties on Sale of Publications	1,030	1,034
Local Sections	12,450	10,070
Printing and Stationery	556	1,251
Electronic Publishing / Website Costs	8,574	5,895
Postage	2,185	3,855
Telephone and Facsimile	604	1,070
Subscriptions	591	436
Reprints of SGT News	-	3,000
Student Award/Scholarships	250	250
Oldfield Award	850	2,600
	174,777	196,829

16 Management and Administration

	<u>2009</u>	<u>2008</u>
Salaries and National Insurance	29,077	20,238
Establishment Expenses - (note 17)	7,627	7,570
Professional Charges	2,800	3,000
Bank and Credit Card Charges	1,463	1,815
Bad Debts	1,060	6,635
Incidental Expenses	2,042	1,023
Exchange Rate Losses (Gain)	(3,673)	(120)
	<u>40,396</u>	<u>40,161</u>
	<u>2009</u>	<u>2008</u>
Total Staff Costs comprised:		
Salaries	93,662	90,907
Pension	9,246	8,747
Employers National Insurance	8,313	7,867
	<u>111,221</u>	<u>107,521</u>

The average number of employees in the year, calculated on a full time equivalent basis was **5** (2008: 5).

No employee received remuneration amounting to more than **£60,000** in either year.

Five employees are members of the Defined Contribution Pension Scheme.

Professional charges includes **£2,800** relating to accounting and other services payable to the Independent Examiners.

Council Members Remuneration

The Council Members neither received nor waived any remuneration during the year (2008: Nil).

No expenses were re-imbursed to Council Members during the year (2008: Nil).

17 Establishment Expenses

	2009		2008	
	<u>Charitable Expenditure</u>	<u>Management & Administration</u>	<u>Charitable Expenditure</u>	<u>Management & Administration</u>
Rent and Service Charges	14,961	4,822	14,777	4,762
Light, Heat and Water	371	120	659	213
Rates	1,177	380	1,224	394
Insurance	1,575	508	1,437	463
Repairs and Maintenance	4,382	1,412	3,540	1,141
Depreciation on Equipment and Fixtures	1,196	385	1,854	597
	<u>23,662</u>	<u>7,627</u>	<u>23,491</u>	<u>7,570</u>

18 Overseas Sections

The accounting transactions in respect of the overseas sections have not been included as they are deemed not to be material to the Financial Statements.