Mapping on the Edge
BCS-SOC Conference
OS Colouring Book
Treasures from the Map Room
What a year we have had – looking back through the events – it certainly has been busy! As I sit here with a steaming cup of coffee in -4 degrees in Bedford I wonder what 2017 will bring us? Not just personally, professionally or financially but in the mapping world too. Technology is advancing so we don’t have to visit places, if we so choose to go to the Caribbean and then zip over to see New Zealand – we can. We can see more 3D information readily – in print or in physical map models. The 3D map model of Japan and Sendai for Resilient Earth (created by Fernando at EOSGIS) has been so useful to show the topography of the area. I hope you have been good as there may be a mapping colouring book for you! May I wish you a very happy and relaxed festive season and prosperous 2017!

Shona Frost

From the Editors

I have just returned from the GeoConnect show in London, where, amidst a buzzing swarm of UAVs, I gave a talk about the importance of good cartographic to an audience of professionals drawn from the breadth of the geoinformation industry. As well as showcasing some great (and some not-so-great) examples of cartographic design, I reminded those present that there is something very natural about using maps to share spatial information. If we take the view, as with many leading scholars, that the first maps (such as that found at the Neolithic settlement of Catalhöyük in Turkey) predate the introduction of writing by thousands of years, cartography has an important place in the human journey. For communicating spatial relationships that are real or imaginary, maps have an immediacy that is hard to beat. Our methods of mapmaking have changed and our cartographic language is constantly evolving, so we should always be keen to discover new ways to make better maps and to share our expertise. It is therefore good to see the return of our Better Mapping seminars and I look forward to seeing the new series flourish.

As a Society, we aim to recognise the best examples of cartographic design today. With that in mind, I want to congratulate the winners of our 2016 Awards, particularly Ken Field as the winner of this year’s BCS Award with ‘Pitch Perfect’, and all those who earned a ‘Highly Commended’ or ‘Commended’ from the judges, and to thank everyone who kindly entered their work. The entries have now been transferred to our online archive of the map collection at the Bodleian Library, Oxford, where Peter Jolly and his colleagues are adding them to the catalogue. The archive has built up into a superb collection of maps over the years and I often wonder how the entries (and their evaluation) have changed over time. Do the ‘best’ maps stand as timeless examples of cartographic design?

Techniques and technology develop in cartography just as fashions and tastes change, but I would expect the principles to remain constant, whatever the medium. It would be good to find out.

As recorded in this year’s Annual Report, published in Volume 53.4 of The Cartographic Journal, there have been some changes introduced this year in the way we operate as a Society and in how we present ourselves to the world: we have a Restless Earth Coordinator, our administration services are now provided by The Geoinformation Group, our new branding is firmly in place, and we have launched our new website. None of these steps would not have been possible without the support, patience and creative input of many dedicated individuals, and I want to thank one and all who have worked towards their implementation. But I also want to extend my sincere thanks to you, our members, for bearing with us as we re-orientate ourselves for the next chapter in our future.

As your President, my aim is to lead the society from strength to strength and I firmly believe that you, our members, should play an active role in shaping the Society’s future. We are launching a Members’ Survey to explore ways in which we can enhance what we offer through membership and I encourage you to take part. Please look out for the invitation to complete the survey that will be disseminated via email or visit https://www.surveymonkey.co.uk/r/BCSMembersSurvey.

If you want to contact me directly, please remember that you are always very welcome to get in touch. You can drop me a line via email (alexander.kent@canterbury.ac.uk) or by letter addressed to me at Canterbury Christ Church University or simply ‘give me a buzz’ on (01227) 782324.

Onward and upward:
Dr Alex Kent, BCS President

A Message from the President
I would like to thank Maplines and the BCS for the article about my art earlier this year. Since then, a few significant things have happened that I would like to share. One of my maps “The Fictional City of Alefano and Surroundings” was selected to be part of this year’s Summer Exhibition at the Royal Academy of Arts. I had sent the map to an Exhibition at the Royal Academy! However, when I returned home to Alabama, I was interviewed by my local newspaper and they put a really good article on their website, with 27 images. The reporter said she hoped it would be in the actual paper. The following Sunday a friend messaged me that they had enjoyed reading about me in the paper – so I popped out to buy a copy. I was astounded to see the article as the main story on the front page with one of my maps above the fold, and with another whole page inside.

It is still a bit surreal that I have had my work hanging in the Royal Academy – and it was actually quite sad when it came down (the same friend went to pick up the work for me). To be honest, the inclusion has helped me feel validated as an artist and more than just someone who draws maps.

Since the article in the Huntsville paper I have received a couple of commissions for fictional maps that will be “life stories” told through the map and all the features that will be included. I have also presented my work in a couple of different settings, including at Pecha Kucha in Chattanooga, Tennessee. This is an interesting presentation format of 20 slides that automatically advance after 20 seconds each that is held in over 800 cities around the world. I hope to continue to expand the reach of my maps and the enjoyment of maps!

By David Nuttall

Links/Contact info: 
al.com/newspaper article: www.al.com/livingIndex.sst/2016/07/then_ext_the_alabama_artist_who_cr.html TEDx talk: www.youtube.com/watch?v=z2MxooPkg5c
Website: www.artimaps.com Email: david.nuttall@artimaps.com Instagram: @artimaps Facebook: www.facebook.com/artimaps Twitter: @Artimaps_DavidN

Lowe Mill website: www.lownemill.net

Creative Mapping & Events

Exhibition guide listing the Alefano artwork.

January 2017

• BCS Committee & Council meetings
• 24-25 Jan GDI London
• 26 Jan UK Geo Forum Annual Lecture, Tim Marshall, RICS

February

• 23 Feb TOSCA Field Trip to Oxford Science Museum
• 9 Mar 16:30 TOSCA A Seminar by Charles Withers (University of Edinburgh) Weston Library

March

• 24 Apr GISUK, University of Manchester
• 20-21 Apr QA Conference, University of Surrey, Guildford

April

• BCS Committee & Council meetings

May

• 16 May Esri UK Annual Conference QE 11 Centre, London
• 25 May 16:30 TOSCA Geology and WW11, Edward Rose (Royal Holloway) Weston Library

June

• BCS Committee & Council meetings

September

• MCG Meeting
• BCS-SoC Annual Conference
• BCS Committee & Council meetings

October

• Lecture to PGCE students at Nottingham University
• Frankfurt Book Fair

November

• BCS AGM and Annual Lecture

‘Maps and Society’ Lectures

M eetings are held at the Warburg Institute, School of Advanced Study, University of London, Woburn Square, London WC1H OAB, at 5.00 pm on selected Thursdays.

Admission is free and each meeting is followed by refreshments. All are most welcome.

Enquiries: +44 (0)20 8346 5112 (Catherine Delano-Smith) or Tony Campbell tony@tonycampbell.info

19 Jan 2017 - Professor Daniel Maudlin (Department of History and Art History, University of Plymouth). ‘Travel, Maps and Inns in Eighteenth-Century Britain’.

MEETINGS SPONSORED BY THE HAKLUYT SOCIETY

16 Feb - Dr Colín Parsons (Assistant Professor of English, Georgetown University, USA). ‘Lines and Words: The Surprising Role of the Ordnance Survey in Anglo-Irish Literature’.

16 Mar - Florin-Stefan Morar (PhD Candidate in History of Science, Harvard University, USA). ‘Translation and Treason: The Luso Castilian Demarcation Controversy and Abraham Ortelius’ Map of China from 1584’.

27 Apr - Dr Stephen Johnston (Museum of History of Science, University of Oxford). ‘Privateering and Navigational Practice: Edward Wright and the First Mercator Chart, 1599’.

18 May - John Moore (Collections Manager, University of Glasgow Library, Glasgow). ‘Glasgow and Its Maps: How Cartography Has Reflected the Hights and Lows of the Second City of the Empire’.

Creative Mapping

Hand-drawn plausible fictitious maps in the Royal Academy

Left: The Fictional City of Alefano, hand carved by David Nuttall.

Right: David Nuttall at the exhibition ready to see his work on display.
Our range of awards aims to recognize the best cartographic work and scholarship from around the globe. We present trophies and prizes to individuals and companies who have shown excellence in this field.

In association with our sponsors, the society promotes a series of prestigious awards for excellence in cartography that are open to everyone. We encourage entries from those engaged in all aspects of mapping, whether practical or theoretical, commercial or academic, using traditional or innovative techniques and research.

Presentations are usually made during the Gala Dinner at the Society’s Annual Symposium and award winners receive publicity through our publications and in other promotions.

**Submissions**

Contact our Awards Officer using the web form on the Apply page.

**BCS Award**

Best entry from winners of the major design awards

The prestigious BCS Award is presented to the entry judged to be the best from the major design awards. It comprises a special BCS Award trophy (kept for a year), a trophy to keep and a certificate.

**Stanfords Award**

Best entry for Printed Mapping

Open to any mapping in the printed form, whether in the form of a poster, folded sheet map, atlas, or page from a book. The Stanfords Award comprises a trophy and a certificate and is run with the support of Stanfords map and travel book store.

**Avenza Award**

Best entry for Electronic Mapping

Open to any mapping available in electronic format, including interactive Internet maps, internal company-use GIS maps, and maps for PowerPoint presentations. The Avenza Award comprises a trophy and a certificate and is run with the support of Avenza Systems Inc.

**John C. Bartholomew Award**

Best entry for Thematic Mapping

Presented for originality and excellence in the field of thematic cartography with emphasis on effective communication of the intended theme or themes. The John C. Bartholomew Award comprises a trophy, £500 prize and a certificate and is run with the support of HarperCollins and the Bartholomew Family.

**Ordnance Survey OpenData Award**

For excellence in the application of OS OpenData

To encourage excellence in cartographic design and the innovative and exciting use of Ordnance Survey OpenData, the OS OpenData Award comprises a trophy and a certificate and is run with the support of Ordnance Survey.

**The Henry Johns Award**

For the best article (Volume 52) published in The Cartographic Journal

Presented to the author of the best article published in The Cartographic Journal during the year. The Henry Johns Award comprises a cash prize and a certificate and is run with the support of Lovell Johns.

**Ian Mumford Award**

For university and college students

This award is intended to encourage and recognize excellence in original cartographic research undertaken by university or college students who have been engaged in full- or part-time study towards a recognized academic qualification where cartography, maps or mapping forms the principal subject of research.

The Ian Mumford Award consists of a £200 prize, a certificate and membership of the Society for one year. 2016 Winner: Trevor Draeske (University of Edinburgh).

**The Society Medal**

For a distinguished contribution to cartography

The British Cartographic Society Medal is a gift of the Society’s Council and was instituted in 1984. It is awarded to persons who have made a distinguished contribution to cartography.

**2016 BCS Awards**

The British Cartographic Society is pleased to announce the results of the 2016 Awards as follows:

**The British Cartographic Society Award**

*Winner - Pitch Perfect: Kenneth Field*

**Avenza Award**

*Below: Ben Scott-Robinson of Ordnance Survey receives the Stanfords Award for 2016 from Dr Richard Carpenter, representing Stanfords.*

*Below: Kenneth Field receives the BCS Award for 2016 from Dr Alexander Kent, BCS President.*

*Above: The winning infographic for the BCS Society Award.*

*Below: Ross McDonald of Angus Council receives the OS OpenData Award for 2016 on behalf of Heikki Vesanto from Paul Naylor of Ordnance Survey.*

*Above: Martin Davis, Editorial Assistant of The Cartographic Journal, receives the Henry Johns Award for 2016 on behalf of the authors from Louisa Keyworth of Lovell Johns.*
product that you can pore over for hours and still find something new. A highly individual presentation that very clearly gets its message across.

Highly Commended - 2120 North Sea - Nieuwpoort to Den Helder

Highly Commended - (Is there) Life on Mars? - Kenneth Field

Judges’ Comments: "An impressive piece of work that makes full use of the interactive element and as a result is much more engaging than its paper version. A surprisingly detailed map that needs to be fully explored to appreciate the work that has gone into production. One of several Martian entries this year, this stood out from the rest."

Highly Commended - Yarra River Precinct, Melbourne: Visualvoice

Judges’ Comments: "A great application with very clear maps, good use of icons and a lot of detail clearly portrayed. The level of interaction is good with photos to help orientation and links to appropriate websites. It does Melbourne proud and would be a really useful tool for visitors to the city."

John C Bartholomew Award for Thematic Mapping

Winner - Attention All Shipping: Jane Tomlinson

Judges’ Comments: "Excellent communication of a clear and much-loved theme through a clever blend of cartography and art. The map style may not be entirely new, but this is a new, interesting and engaging portrayal of the subject, with a clear eye on its romance. Images, text, key and thoughtful use of terms from the Shipping forecast combine to make a highly attractive and fun product."

Highly Commended - Election Pollocks: Kenneth Field

Judges’ Comments: "Highly innovative and 'cheeky' presentation of a topical and contentious theme. Interesting fusion of cartography and art, with the interactive version adding detailed stories to the patterns. Great demonstration of what technology and imagination can achieve. Good to look at, and the nod to Jackson Pollock is clever."

OS OpenData Award for Excellence in the use of OpenData

Winner - Every Person in Scotland Mapped: Heikki Vesanto

Judges’ Comments: "At first glance it would be easy to dismiss as trivial but Heikki has intelligently linked open census data with open map data to show geographic patterns across Scotland purely by use displaying both the know-how of how to combine such data and presenting it in a very well-working web map. By design or by chance, it is one of those maps that you can simply explore for hours."

Highly Commended - Pitch Perfect: Kenneth Field

Judges’ Comments: "This was our 'one to watch' prior to judging due to the instant visual impact it makes. As well as a good, well-presented, design; it was clear to see the amount of time and effort that had gone into this and for any football fan or indeed anyone who is subconsciously mathematically-minded the poster draws you in to becoming far more interested in things like pitch dimensions and orientation than you may have ever thought possible!"

Above: Kenneth Field’s winning infographic for the Stanfords Printed Mapping Award.

Above: Winner of the John C Bartholomew Award for Thematic Mapping by Jane Tomlinson.

Above: Winning map of the OS OpenData Award for Excellence in the use of OpenData.

Above: Winner of the OS Maps App: Ordnance Survey Award.

Above: Winner, of the Avenza Award for Electronic Mapping.

Above: Best Cartographic Journal Article of the Year - "The cartographers are on show: some reflections on the 2015 BCS awards and beyond", by Simon Biggs.

BCS Awards

The 37 entries this year included an impressive set of maps reflecting the publisher’s expertise in the field. Very clear, fit for purpose cartography that is comprehensive in its coverage of the subject area. A modern, clean look and feel with easily distinguishable colours and clear symbology.

Highly Commended - Snowdonia North Ulltramap: Harvey Maps

Judges’ Comments: "A very well designed product to suit the walking/trekking community. The smaller size and waterproof material are ideally suited to the target market. The scale suits the size of the product and although appropriate websites do exist, much easier to get the negatives out of the brown envelopes they had kept in. By the time I got to box 84 I had perfected the corrugation using the paper version of the map as reference. The remaining boxes contain negatives of maps of Bulgaria, Burma, China, Denmark, France, Germany, Italy, Norway and Spain. Also, there are 10 boxes of miscellaneous maps and charts plus some lattice charts, probably early 40s. The negatives in particular: Antonio Vallardi and P Corbellini from Milan, Dr Cornelius Lowe from Pharus Plan and Vallardi & Co from Barcelona. The remaining boxes contain negatives of maps of Scotland, Sweden, Norway and Finland. Box 84 is a piece of paper which simply says ‘Y’. Box 83 contains 43 glass negatives of solid town shapes in black. There are 5 English towns and 37 German towns. Glass negative 41 in this box is of Wiesbaden on which is written, ‘Both targets included on this built up sheet’. So these are targeting maps, the 5 UK ones were for training exercises and the other 37 for operations but for use with what piece of equipment? At first it seemed rather early to me for use with the radar stations in our bomber aircraft in 1944. So, I decided to contact some old friends, Brian Garvan and Mike Nolan whom I'd worked with during my Service career and seek their advice. The consensus is that these ‘Y’ glass negatives are the town layer and indeed were suitable for medium level operations using H2S radar with the radar operator doing a visual correlation using the paper version of the map and the radar picture. Confirmation came when John Poulus, a volunteer with The National Trust at Hugshend Manor came across a letter, when Brian and Mike were visiting, from HQ Bomber Command to the Group HQs on 22 January 1944 saying, ‘enclosed is a specimen of the new “Y” type chart for use with H2S radar. Aren't volunteers wonderful!’

By Peter Jolly

B C S  A w ards & B odleian Li brary

Winners - Do M ap Readers Recognize a Topographic Mapping Style? - Jérémie Ory, Sidonie Christophe, Sara Fabrikant and Bénédicte Bucher

Judges’ Comments: "The paper makes an important contribution to an emerging area of research in topographic mapping. This particular study determines which graphical characteristics play a role in the recognition of the cartographic style of a topographic map produced by IGN, France (either by visual memory or by visual perception), and identify the representation of relief, including contour lines and shaded relief, as the major characteristics of the style. The judges praised the originality and potentially far-reaching implications of the paper for national mapping agencies and for other mapping producers."

BCS Winter 2016 / Maplines
OS Great British Colouring Book

The Great British Colouring book takes colouring and map fans on an immersive colouring-in journey around Great Britain, from the coasts and forests to the towns and countryside.

The first colouring book based on official OS maps, it has 55 maps including iconic cities, recognisable tourist spots and historical locations across England, Scotland and Wales via plus a huge double size fold out map of central London and the Thames to complete. It is printed on heavyweight paper suitable for both pencil and ink.

The maps include both country and city areas, with highly large scale detailed maps as well as small scale areas of the country to fill in. The book includes places such as the best castles in Wales, Blackpool centre and Arthur’s Seat in Edinburgh.

Specifications
55 pages, Paperback, RRP £19.95
ISBN: 9781780678597
Published by Laurence King Publishing

You can view the full map here:

UKCC Report

At the moment there is little to report from the UKCC. We decided not to meet in June as there was no significant business to discuss, so that saved some money for the Society.

The call for papers for the ICC2017 in Washington is out and has been published in Maplines.

The next meeting of the ICA Executive is in Washington at the end of the month. I will submit a fuller report after this as quite a few important things should be decided at this meeting. In order to bring in some changes, there may be a special General Assembly in Washington. If so this will probably require an additional UKCC meeting early in 2017. If so we will need to request some additional travel funding from this year’s budget.

Last week I received information about the Petchenick Children Mapping Competition. Over the next couple of weeks I will liaise with appropriate people to start organising and promoting this within the UK.

Hopefully we will soon get information about the International Map Exhibition. My aim is to call for contributions early in the New Year, as I don’t think the run up to Christmas is a very productive time for such things.

Dr David Forrest, ICA Vice President

Winter 2016 / Maplines • 11
Tuesday 6 – Thursday 8 September 2016
Cheltenham Park Hotel, Cheltenham

Mapping at the Edge

BCS – SoC Conference

A fter a successful conference last year, the BCS and SoC once more joined forces to hold a joint conference entitled Mapping at the Edge, hosted in support of the International Map Year.

The conference was held in Cheltenham at the beautiful Cheltenham Park Hotel and the event saw an excellent attendance with well over 100 delegates registered. The event saw cartographers, GI experts, lovers of maps and more gather in Cheltenham for two days of presentations, workshops and more.

The final formal proceeding of the day was the guest speaker. This year the BCS were lucky enough to get Tom Harper from the British Library who gave an excellent talk on the Library’s map collection. This talk coincided with the spectacular exhibition currently running at the British Library entitled Maps in the 20th Century: Drawing the Line.

The exhibition runs from Friday 4 November 2016 to Wednesday 3 March 2017 and BCS members can get £3 off the admission price by presenting their membership card when paying. See the review later in this edition.

In the evening, Alex Kent formally opened the Exhibition before Miles Living from SoC tested our general knowledge skills with an excellent quiz.

Wednesday brought with it the start of the conference proper and two full days of presentations and workshops.

Our first talk session entitled Map Tools started with a presentation from Ken Field where he spoke about work that the ICA Map Design Commission has started to develop a series of style guides. This ‘wardrobe’ provides modern map makers with a set of tools and framework in which to help dress their map.

Next Ross McDonald gave an informative insight into QGIS 2.14 highlighting the tools and functionality that make QGIS a powerful map tool for map production.

The session concluded with Paul Duré and Nico Regnauld of 1Spatial talking about how OpenStreetMap data can be ingested into production systems in turn addressing data quality issues, scale change and styling issues.

Cartography led by David Fairbairn.

Stuarts’ Adobe Clinic allowed delegates to get help from Stuart with any of their Adobe software problems focusing specifically on mapping with Illustrator and Map Publisher.

David hosted an interesting workshop where delegates discussed the ‘Body of Knowledge’, a commissioned publication stemmed from the ICA commission on Education and Training and is an attempt to disseminate best practice in education and cartography.

The afternoon session started with presentations from the theme Mapping on the Edge. Kicking us off was Peter Vujakovic from Canterbury Christ Church University who gave an interesting presentation on China’s U-Shaped line on maps of the South China Sea. He went on to discuss how this line is criticised by others in the region into its exact meaning with regard to China’s sovereignty and other maritime claims.

Following Peter was Daniel Raven-Ellison who gave an energetic and passionate talk on how mapping has influenced a campaign to make London the world’s first National Park City. Steven Feldman ended the session with a presentation entitled ‘When politics meet maps there is no right’ Steve gave a light hearted talk on how digital maps have changed the way that we represent political boundary disputes.

The final presentations of the day concluded under the theme Paper Maps. Steve Chilton began proceedings by discussing the work of Alfred Wainwright providing us with a real insight into how the great man operated.

Following this we had our first workshop session where delegates could choose from an Adobe Clinic led by Stuart Gill from Coventry University or a Body of Knowledge for Wolsentholme with an informative presentation on what went on behind the scenes at OS to deliver the rebrand of their paper maps.

This session finished with Mary Spence exploring the recent works of artist Jane Tilmolnson, who creates quirky and imaginative hand-drawn maps of places, people, and ideas. The evening was dedicated to the annual gala dinner and awards ceremony and it was, as ever, a pleasure to see the award winners receive recognition for excellence in our field.

- The Henry Johns Award – Jérémie Ory, Sidonie Christophe, Sara Fabrikiert and Bénédicte Bucher
- Ordnance Survey OpenData Award – Heidi Vesanto
- John C. Bartholomew Award – Jane Tilmolnson
- Avenza Award – Ordnance Survey
- Stanfords Award – Kenneth Field
- BCS Award – Kenneth Field

A big thank you to our award sponsors, Ordnance Survey, Stanfords, Avenza, Collins, Bartholomew and Lovell Johns. And well done to Ken Field on winning the BCS Award.

Thursday started with presentations around the theme Visualisation. Charlie Davies started the morning with a bit of time travel or was that travel time? He explained how to use maps and travel time to give context to geographic data showing how this can change how people go about finding a new job, home and more.

Michael Burch followed with a talk on how we can visually enhance our maps by understanding the visual behaviour of map consumers. This can be done by evaluating eye movement data, tracking people’s eyes as they solve route finding tasks. James Cheshire closed the session with a talk on why cartographers should code.

After a quick tea break the second workshop session began where again the delegates had the choice of two workshops. The first - an introduction to the Mapbox toolset by Charley Gunn took those that attended on a journey around Mapbox and showed some of the excellent tools available.

If this didn’t tickle your fancy, then Steven Bernard of the Financial Times gave a workshop on creating shaded relief maps in QGIS where he showed how to create a relief map with hill shading using DEM files and satellite imagery from NASA.

Before lunch it was time for the entertaining and popular map critique session led by Steve Chilton and Ken Field. As always the session had laughter, opinion, two good and two bad.

The last presentation session at conference was entitled Citizen Mapping and began with Mark Iliffe from the University of Nottingham. He gave an enthralling and energetic presentation on the methodology of Ramani Huria and how it contributes to the theory of VGI and cartography through mapping the fastest growing city in Africa.

Next up was Phil Cohen who explored some of the issues raised by the LivingMaps project to construct a citizen’s atlas for London. The project is a democratic platform for constructing a grass roots alternative to the London 2050 infrastructure plan.

Finishing on stage was our own Restless Earth ambassador and wonderfully patriotic Alice Gadney. Alice gave an interesting presentation on the material that is given to the students at a BCS Restless Earth Workshop as well as a talk on why cartographers should code.
roundup of the 5 years it’s been running.

The last workshop session gave delegates a choice to either join the dArc side or find out if a map can be an app? Ken Field led a workshop looking at some of the new tools in ArcGIS whilst Fiona Cocks from Sterling Geo gave an interesting workshop looking at the 1 to 100 project being undertaken by Sterling Geo and if, using examples from this project, the app delivery of dynamic data and analytics can be considered a map.

Overall, the conference was a memorable occasion and I would like to take this opportunity in thanking a few people.

Firstly our sponsors:
- **Platinum** – Victoria Litho
- **Gold** – United Kingdom Hydrographic Office, Ordnance Survey, 1Spatial, Collins Bartholomew, Europa Technologies
- **Bronze** – Philip’s, Global Mapping

Secondly Ryan Harrow, Linda Baron and Seppe Caseratti whose help with the organisation and administration were vital to a successful conference. Thirdly I would like to thank the programme committee for their help with the planning and lastly to all the exhibitors, presenters, and delegates for making the conference such a success and pleasure to organise.

We have already started our planning for 2017 and will be shortly issuing our call for papers. In the meantime, if you are interested in being involved in next year’s event please contact me for programme opportunities or Alan Grimwade for sponsorship opportunities.

We would like to thank the following sponsors:
- **Technologies**
- **Hydrographic Office, Ordnance Survey, 1Spatial, Collins Bartholomew, Europa Technologies**
- **Victoria Litho**
- **Global Mapping**
- **Philip’s**

The membership has changed greatly over the last few years as has the way we communicate and do business. Our organisation has to evolve to ensure it gives members the best opportunity to promote their business to the wider cartographic community. As I write this, we are taking a fresh look at what Corporate Members expect from the BCS and I would be interested to know your thoughts and any suggestions. It is also important that we know what Corporate Members have to offer the BCS, we need a proactive membership so please get involved.

If you have any thoughts or issues please contact me.

**Alan Grimwade**

**BCS Corporate Liaison Officer**

alangrimwade@cosmographics.co.uk

Stanfords is a household name amongst map and travel fans and they have kindly granted BCS Members a discount of 10% in their online shop. Just enter BCSSTAN16 in the Discount Code box to apply the saving.

**About Stanfords:**
Edward Stanford Limited was founded in 1853 by Edward Stanford in Charing Cross Road in London. In 1901 the Company moved to its current flagship location in Long Acre, Covent Garden. Famed throughout the World as a publisher of maps, Stanfords expanded into retail following the move to Covent Garden. To this day Stanfords stocks the largest range of maps and globes in the World as well as travel guides and other travel related product.

It has a further shop in Bristol, an eCommerce website and a specialist digital Business Mapping Service based in Manchester. Edward Stanford Limited is a wholly owned subsidiary of Edward Stanford Group Limited.
Restless Earth
Report 2016-17

Congratulations to Bedford Girls’ School, Bedford winning the Cartography Award for the Best maps 2015-16 and for Outstanding Contribution for Runners up award. (Thanks to Mary Spence, Giles Darke and Teresa Connolly for Judging)

2016-17 has started with visits to eight schools – some excellent mapping being created – a new updated preparation and information on cartography has really boosted the quality of maps already!

Due to new changes in the UK Exam Boards – the ‘cartographic skills’ element (part of Geography GCSE Geographic Skills) makes up to 12% of the key geographic skills! Us professionals can help the children boost their knowledge and ultimately their grade!

The workshop was created in 2011 by Immediate Past President Peter Jones. It is aimed at Years 9 and 10 and requires them to produce mapping products that would be used in the search & rescue for people in the Japanese Earthquake and Tsunami disaster in 2011.

With seven different scaled basemaps in English and Japanese and a brief presentation, the pupils are asked to take geographic information from the basemaps and translate it onto their map bases. Each Pupil has a role: Humanitarian: helping the people find shelter and food, Military: finding secure areas to land planes and transport equipment to the affected area, Search & Rescue: securing sites for landing helicopters, Medical: securing people’s health before they go to the safe places, Coordinator: making sure the team talks to one another and all elements are on the maps.

Many of the pupils have never seen such big paper maps – let alone ones in Japanese!

The workshop is around two hours and a final judging takes place to find a winner and a commendation. The winning group each get a World Map supplied by Global Mapping. The winners and commendation from each school will go forward to the new BCS Award for Restless Earth 2016-17. Presentation of the awards will be at the Annual Symposium in September 2017. A “Volunteer of the Year” award will also be presented.

Volunteers are always needed and your expertise in the cartographic field is much appreciated. More information is on the website for the volunteers to download. I will be needing you again this year, but also as a presenting role! If you have any questions about volunteering please don’t hesitate to contact me. There is a letter which can be downloaded from the website or emailed to you to present to your employer, highlighting the benefits and structure of the day.

Volunteering for Restless Earth Workshop is part of the AGI Chartered Geographer (GIS) Accreditation scheme getting 4 CPD points.

Corporate Members can use the day as a corporate responsibility or voluntary charity day. It is not just a team building exercise for the children – I often feel us volunteers are a team with our own strengths and expertise to help in the workshop. And it’s great to meet the BCS Members and see what you all do!

If you feel your company could support Restless Earth – please contact me at the address below and I would be more than happy to discuss!

Please see the website for dates – they are coming in thick and fast!

By Alice Gadney, Alice is the Restless Earth Coordinator for the British Cartographic Society. She organises school visits and the volunteers and helps run the workshops. Promotion of the workshop is done through networking and word of mouth by the schools!

info@silver7mapping.co.uk
admin@cartography.org.uk

E ducational Members
www.cartography.org.uk/members
/education-schools/

Restless Earth
www.cartography.org.uk/members
/education-schools/welcome-to-the-bcs-restless-earth-workshop/

Events
www.cartography.org.uk/product-category/events/

M APS is an atlas of wonderfully drawn maps with all the cartographic elements in place. The maps also depict places with historical and cultural importance, adding a depth of richness to the images. The iconic animals and plants of each country are depicted with a whole host of facts and numbers about places. What a great way to read and learn about the World for young and old alike. Learn about one country, region, or continent at a time!

Maps Activity Book is a paperback with colour plates that are set up to be taken out and drawn on, with maps on one side and little fact bubbles on the reverse. The range of 36 activities gets ages 3+ involved with the world of mapping. ‘Draw a map of an imaginary Country’. What is it called? Draw the capital city, rivers, mountains and yourself as the King or Queen. See where their and your imagination can take you! There is a diverse mix of imagination provoking drawings that children and adults can do. (I will have a go!)

These two books show that cartography is an art and that the same world can be depicted in so many ways. They are a communication tool for the readers of all ages and to get the imaginations fired up with pretend lands, mystical and real creatures, travel and the beautiful place we call Earth.


Plotted - a Literary Atlas by Andrew DeGraff Review

Zest Books’ Pulp imprint – October 2015

A literary atlas of the old classics and other books – Hamlet, Robinson Crusoe, Moby Dick and many more. Maps of the places in the novels that we can imagine with our own map making skills – they come to life in this beautifully illustrated collection.

A wonderfully detailed oblique artistic impression greets the reader as you open the book - a flyer showing off Huckleberry Finn’s Mississippi River Journey.

Plotted is a book of imagination and masterpiece, showing the reader the journeys of the characters in the stories and depicting them with detailed illustrations. Huckleberry Finns Adventures on the muddy Mississippi, Shakespeare’s Hamlet is depicted through Acts I-V – showing the movements of the characters in the castle but also way to further lands. Is a book to dive into – read one bit at a time, flitter through the imagery and description and re-read the book again and see if you can imagine these movements of characters through the stories!

Huckleberry Finn Leaflet - ISBN: 9781942186113

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A journey through the Bodleian collections

The Bodleian Library in Oxford has been amassing maps since it was founded by Thomas Bodley in the early seventeenth century, and highlights from its large and eclectic collection feature in a journey through the Bodleian Treasures from the Map Room: a Collections book that explores the reasons for which maps have been produced and used over the centuries, in seven chapters: travel, knowledge and science, pride and ownership, maps for war, city maps, maps for fun and maps of imagination.

It features 75 maps from the Bodleian’s collections, including unique treasures such as the Gough Map of Great Britain and the Selden Map of China. Other beautiful early maps are included, both the works of famous mapmakers and lesser known maps with interesting stories behind them: early maps of the moon, of the transit of Venus, estate plans, and early European maps of the new world. There are military maps and sea charts of different eras, and Ordnance Survey maps.

The Bodleian’s collections include some quirky items that have survived through the personal interests of collectors, such as a copperplate for a map of the border between Virginia and Carolina that was never published, an early surveyor’s sketch of Lake Victoria in Uganda, a jigsaw map of India from the 1850s and an inaccurate seventeenth century map of Oxford. Most early printed maps were produced for a privileged elite, but more mass produced examples from the nineteenth and twentieth centuries are included, such as early road and tourist maps, Macdonald Gill’s map of the London Underground and one of the Society for the Diffusion of Useful Knowledge’s publications – affordable education for the masses.

A few selected items from the book are shown here, beginning with a late and very decorative example of a portolan chart, made by John Thornton in 1682. Thornton was a member of the Thames school of chart makers (so called because they were based on the north bank of the Thames, close to the London docks). He was Hydrographer to the East India Company and also to the Hudson Bay Company, so his map making stretched around the globe. Thornton was working at a time when manuscript charts were being superseded by prints, and he was a prolific producer of both; producing about 40 manuscript charts as well as numerous printed maps including those for John Seller’s Atlas Maritimus in 1675. Portolan charts had been produced since the thirteenth century when Europeans began to use the magnetic compass, and continued to be made for over 400 years. They were drawn by hand, usually on vellum, and have a distinctive style with very accurate coastlines, a great deal of coastal detail and some exaggeration of bays and headlands. Typically there are many place names written at right angles to the coast and little inland information. Clusters of rhumb lines (lines of constant bearing) represent 16 points of the compass. The decoration here is very elaborate, with many colours and gold leaf incorporated into practical features like the major place names and scale bar, as can be seen in the extract featured here. The tip of Australia is labelled ‘Dutch discovery’ – the first intimation of a whole new continent, in the last days of a medieval style of map making.

The chapter on maps for knowledge includes a remarkable map from a historical atlas published in 1830. The atlas shows the world in a series of 21 maps of different periods, each one showing only the ‘known’ world, the remaining parts being covered by dark clouds. The very first map is of Noah’s flood, dated precisely to 2284 BC; a tiny gap in the clouds reveals the rivers flowing through the garden of Eden, and little else. Each successive map shows a slightly larger mapped area as the clouds withdraw, up to a contemporary map of the peace of 1828. Throughout, the known world is sunlit and tranquil, surrounded by threatening storm clouds that gradually recede as the light of knowledge pours in. It’s the only known published work of Edward Quin, a London barrister of Irish descent, who died in his early thirties; he both wrote the text and designed the maps.

The idea of mapping the world as known to (European) civilisation and showing the rest shrouded in cloud appears almost laughably Eurocentric to the modern reader. The areas covered by cloud in the early maps were occupied, and their inhabitants known, and to show them as if they didn’t exist until ‘discovered’ by Europeans seems appallingly arrogant. To be fair, Quin did point out that the clouded areas existed before they were known to ‘civilised human beings.’ And his understanding of the world was typical of his time; his maps make explicit a view of history which would then have been commonplace. They are also rather beautiful, being finely engraved by Sidney Hall.

An unusual recreational map is this one from 1843, showing the meeting places of Lord Gifford’s Hunt. It is striking for its minute size – it folds into a cover less than 7 cm square, and could be easily carried in a waistcoat pocket – yet it contains a great deal of information. The places where the hunt held its meets are numbered on the map, and an eight page booklet is bound into the cover, giving distances by road to each of them from the nearest railway station or post town. It is beautifully produced, although diminutive. Hills are shown by delicate hachuring and county boundaries, roads and woodland are neatly hand coloured. The tiny

Above: Extract from John Thornton’s chart of the Indian Ocean, 1682.

cover is bound with red cloth and features a gold picture of a horse and rider leaping over a daunting looking obstacle.

The Lord Gifford of the title took over the hunt as Master in 1842 at a time of some conflict; there was a dispute with the neighbouring Old Berkshire hunt as to where the division between the two hunting countries lay. The south eastern portion of the map, roughly the area between Swindon and Buscot, was claimed by both hunts. The hunt’s official name - Vale of White Horse Hunt – does not appear on the map, possibly Lord Gifford was staking a personal claim. Matters were eventually resolved peacefully in 1845 when a division was agreed. The map was published by a woman, rather unusually for the time; M.A. Pittman. She also traded as Mary Ann Pittman & Son and was responsible for a number of sporting publications. There is something appealing about this pretty, miniature map. Although there were practical reasons for its small size, the high standard of production suggests something designed as a status symbol as well. Incidentally, the Bodleian’s logo has its origins in the earliest surviving printed map of Oxford, also one of those featured in the book. In 1578, Ralph Agas surveyed the city of Oxford; the resulting map, engraved and printed 10 years later, survives in a dark and rather tattered copy in the Bodleian. A re-engraving was made by Robert Whittlesey in 1728, surrounded by copies of John Beresford’s drawings of important buildings in Oxford, roughly contemporary with the original map, which was itself drawn as a bird’s eye view with buildings shown pictorially. A picture based on Beresford’s portrayal of the Divinity School is now the Bodleian logo. An extract is shown here from the original; despite its poor condition, it is highly valued as the only surviving copy of this important map. The Bodleian Library is part of the library of the University of Oxford, and is also a legal deposit library, so as well as university students and staff, it’s widely used by academics from elsewhere in the world and by interested members of the public. Anyone interested in seeing more of these maps should apply for a Bodleian reader’s card; details can be found at www.bodleian.ox.ac.uk/bodley/using-this-library.

By Debbie Hall, Senior Library Assistant, Map Room, Bodleian Library

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The British Cartographic Society and Society of Cartographers are pleased to announce some exciting news about our joint conference for 2017. Maps for Changing Reality is coming and we have been busy planning some exciting changes and new programme format.

The conference will be held at the Redworth Hall Hotel, County Durham from the 5 - 7 September 2017. Expect a collection of excellent presentations, hands-on workshops, interesting debates, lightning talks and more.

Please watch this space for more details as they are announced.
One of the most amazing things about cartography is that every map means something to someone, and usually this is something different. Maps can be beautiful and they can be biographical, and sometimes they are both.

I spent some of my childhood in a village called Lyminge, which is about six miles inland from Folkestone on the south Kent coast, and this map used to hang in my father’s study where he was Rector. I have always been drawing maps and found them captivating, but this map was particularly inspirational and influenced my decision to study cartography at university.

A fine example of a seventeenth-century estate map, it was made in 1685 by Thomas Hill, who was from a local family of mapmakers based in Canterbury. While the level of decoration, typical of the time, may seem vulgar by today’s (albeit slowly-eroding) cartographic penchant for minimalism and utility, the impact of the border and cartouche with their feathers of red and gold grabs our attention. The map is hard to ignore and wants to be admired.

Many estate maps showcased the cartographer’s skill and served to celebrate the status of the patron, by providing an accurate record of ownership that was also a spectacle. This one was commissioned by Captain Thomas Bedingfield, a local landowner, who used the income from the lands shown on the map (in dark green) to fund the education of children in several villages, and whose charity continues today.

What I really like about this map, above all else, is its depiction of village life. Here we have a living, working community that has been captured by hand. Specific details, from the appearance of prominent houses to the clothes of the people depicted, speak with a personality that is not easily found in cartography today. This helps to make the past present; a reminder that some things change (e.g. the coming and going of the railway) while others don’t (e.g. the layout of the roads).

The map also affirms my personal connection with the village. It conjures up a wealth of specific emotions and memories, from where I met my first girlfriend to where I was chased over the fields by an angry mob of rams. But every time I see it, this map takes me on a new journey. Thankfully, a facsimile of Thomas Hill’s map now hangs in Lyminge parish church for everyone to discover and enjoy.

By Alex Kent

Above: Thomas Hill’s 1685 map of Lyminge, Kent (58.5 x 50.0 cm; pen, ink and gold leaf on parchment; reproduced courtesy of Rev’d Peter Ashman and Lyminge PCC). Is there a special map you particularly like? Surely every BCS Member has a favourite! Send us around 300 words accompanied by a hi-res image (please obtain the copyright holder’s permission to reproduce the map!).
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