

# TITLE INDEX

## (Index for the years from 2002)

### A

|  |                 |
|--|-----------------|
| The Abhayagiri Monastery Sundial at Anuradhapura, Sri Lanka.....                   | 31(ii) 7-9      |
| Accurate Division Without the Use of a Dividing Engine.....                        | 23(i) 11        |
| ‘Accurate’ Time [L].....   | 25(iii) 15      |
| Achtung-Sonnenuhr!.....  | 16(i) 26-27     |
| Addendum.....  | 18(iii) 111     |
| Addendum to Robert Stikford’s ‘De Umbris Versis et Extensis’.....                  | 24(i) 1         |
| The Adjustment of Wall Mounted Vertical Dials.....                                 | 21(ii) 14-17    |
| Affiliation to the Royal Astronomical Society.....                                 | 17(i) 33        |
| The “Akeler” Equatorial Dial: Relocated in Marlow.....                             | 14(iv) 146-149  |
| The (“Akeler”) Marlow Dial.....  | 15(i) 20        |
| Alan Cook - Obituary.....  | 27(iii) 16      |
| Alektryon.....   | 31(i) 2-7       |
| Allan Mills - Obituary.....  | 29(ii) 38       |
| Alfred Had Me Made [L].....  | 26(iv) 11       |
| Alfred Rawlings’ Sundial Painting.....   | 25(iii) 38-39   |
| All Set for the Rocky Mountains.....   | 31(iii) 14      |
| Almost Dials [L].....  | 18(ii) 53       |
| Almost but not quite! [L].....   | 20(i) 13        |
| Altitude Dials for Tropical Regions.....   | 21(ii) 41-42    |
| Amaterasu – The Japanese Sun Goddess rise in Shipston on Stour.....                | 25(iv) 8-11     |
| The Analemma in other applications [L].....  | 18(ii) 53       |
| Analemmatic Dials [L].....   | 20(i) 13        |
| Analemmatic Dials – Design Data.....   | 20(iv) 160-162  |
| Analysis of a Roman Portable Dial.....   | 27(iii) 22-29   |
| An Analysis of the Vertical Equiangular Sundial.....                               | 20(iii) 123-129 |
| The Ancient Astronomers of Timbuktou (DVD).....                                    | 22(ii) 17       |
| The Ancient Athenian Sculptured Calendar.....                                      | 15(iii) 100-103 |
| The Ancient Clepsydra of Athens.....   | 14(iv) 162-166  |
| An Ancient Dial Fragment in Hastings.....  | 28(iv) 21       |
| Ancient Egyptian Sundials.....   | 23(iii) 16-19   |
| Ancient Sundials [L].....  | 14(iv) 138      |
| Ancient Sundials of Israel, Part 1: Sundials Found in Jerusalem.....               | 14(ii) 52-57    |
| Ancient Sundials of Israel, Part 2: Sundials found in Israel o/side Jerusalem..... | 14(iii) 109-115 |
| Andrew James: Master of the Worshipful Company of Clockmakers.....                 | 30(i) 7         |
| Andrew James (Obituary).....   | 31(iv) 31       |
| Andrew Somerville and his Snow Obelisk Dial.....                                   | 27(iv) 5        |
| Angela Court Sundial.....  | 31(i) 22-25     |
| The Anglo-Saxon Sundial on St Maurice’s Church in Winchester.....                  | 16(iv) 157-159  |
| Another Leaded-in Gnomon? [L].....   | 15(ii) 61       |

B

|   |                  |
|---|------------------|
| Balliol Moondial [L].....                         | <b>24(ii)</b> 47 |
| Balliol Moondial [L] (David Harber responds)..... | <b>24(ii)</b> 47 |
| Bath Tompion dial [L].....                        | <b>20(i)</b> 13  |

|   |                 |
|---|-----------------|
| Beaconsfield Revisited.....                                 | 28(iv) 37       |
| Beata Beatrix.....  | 22(iv) 38-41    |
| Beauty can be Timeless.....                                 | 28(iii) 36      |
| Beccles – an epilogue “milestone”.....                      | 19(i) 18        |
| Before the BSS—A Sundial Chronicle.....                     | 23(ii) 14-19    |
| Beijing Sundials.....                                       | 25(ii) 36       |
| The Belmont Sundial.....                                    | 20(iii) 107     |
| The Benares (India) Sundial in Three Dimensions.....        | 22(iv) 17-19, 8 |
| A Benjamin Scott Horizontal Sundial.....                    | 22(iii) 18-22   |
| Ben Jones: Letter Carver, Sculptor and Sundial Maker.....   | 19(iv) 153-155  |
| The Benoy Dial-Part 1.....                                  | 15(iii) 108-109 |
| The Benoy Dial-Part 2.....                                  | 15(iv) 175-176  |
| A Bentley Gnomon.....                                       | 32(ii) 24       |
| Beware Elephants!.....                                      | 28(ii) 19       |
| The “Biographical Index of British Sundial Makers” [L]..... | 15(iii) 110     |
| Bird in Hand.....   | 19(ii) 73-75    |
| A Bird’s Eye View.....                                      | 18(i) 3-4       |
| Birthday dial.....  | 19(i) 18        |
| A Birthday Dial.....  | 29(i) 15        |
| Blackamoor Cartoon.....                                     | 26(i) 42        |
| Blagrave’s Armillary Sphere Unveiled.....                   | 22(iii) 23      |
| Blemish or Blessing?.....                                   | 24(iv) 9-10     |
| Blenheim Palace.....  | 16(ii) 88       |
| Blue Plaques in Derby [L].....                              | 26(ii) 15       |
| Bonus Postcard: East Bergholt.....                          | 28(iii) 31      |
| Book Note.....  | 17(ii) 51       |
| Book Note (2).....  | 17(ii) 65       |
| A Book of Sundials (Front Cover).....                       | 25(i) 7         |
| A Book of Sundials (Dial shown as frontispiece).....        | 25(ii) 6        |

Book Reviews (title in italics, followed by author)

|   |           |
|---|-----------|
| <i>Addendum to Mass Dials on Yorkshire Churches</i><br>Alan Cook. BSS Monograph 9 ..... | 24(ii) 47 |
|---|-----------|

|  |           |
|--|-----------|
| <i>Ancient Crosses of the Three Choirs Counties</i><br>Marion Freeman..... | 22(ii) 40 |
|--|-----------|

|   |           |
|---|-----------|
| <i>The Ancient Sundials of Scotland,</i><br>Dennis Cowan..... | 23(iii) 7 |
|---|-----------|

|  |          |
|--|----------|
| <i>The Astrolabe,</i><br>James E.Morrison..... | 20(i) 41 |
|--|----------|

|  |          |
|--|----------|
| <i>The Bagnold Sun-Compass: History and Utilization</i><br>Kuno Gross..... | 24(i) 34 |
|--|----------|

|   |  |
|---|--|
| <i>Biographical Index of British Sundial Makers<br/>from the Seventh Century to 1920,</i> |  |
|---|--|

|   |                        |
|---|------------------------|
| <i>Jill Wilson.....</i>   | <b>15(ii)</b> 74-75    |
| <i>Biographical Index of British Sundial Makers<br/>from the Seventh Century to 1920,<br/>Jill Wilson.....</i>  | <b>15(ii)</b> 75       |
| <i>Biographical Index of the British Sundial Makers<br/>from the Seventh Century to 1920 (2<sup>nd</sup> Edition),<br/>Jill Wilson.....</i>                 | <b>20(i)</b> 17        |
| <i>BSS Sundial Glossary, Second Edition,<br/>(edited by) John Davis.....</i>  | <b>16(ii)</b> 85       |
| <i>Cadrans Solaires de Bretagne<br/>J-P Cornec and P Labat-Segalen.....</i>   | <b>23(i)</b> 21        |
| <i>Catalogue of the Fixed Dials of Austria – 2006 (3<sup>rd</sup> edition),<br/>(edited by) Karl Schwazinger.....</i>                                       | <b>19(i)</b> 45, 48    |
| <i>Catalogue of Sun-dials, Nocturnals and Related Instruments,<br/>in the Instituto e Museo di Storia Della Scienza, Firenza,<br/>Anthony J Turner.....</i> | <b>19(iv)</b> 189-190  |
| <i>Cornish Church Sundials,<br/>Len Burge.....</i>  | <b>14(iii)</b> 121-122 |
| <i>De Cursu Solis – Medieval Azimuthal Sundials.<br/>From the primitive idea to the first structured prototype.<br/>Mario Arnaldi.....</i>                  | <b>25(i)</b> 40        |
| <i>Designing Sundials: The Graphic Method,<br/>Margo Anne King.....</i>   | <b>19(iii)</b> 122     |
| <i>A Dial in your Poke: a book of portable sundials,<br/>Mike Cowham.....</i>   | <b>16(iv)</b> 170-171  |
| <i>A Dial in your Poke: A Book of Portable Sundials, (Revised, 2<sup>nd</sup> edition)<br/>Mike Cowham.....</i>   | <b>24(i)</b> 35        |
| <i>The Double Horizontal Dial – and associated instruments<br/>(BSS Monograph No. 5),<br/>J. Davis and M. Lowne.....</i>                                    | <b>22(i)</b> 9-10      |
| <i>Essex Sundials,<br/>Peter Meadows.....</i>   | <b>24(i)</b> 34-35     |
| <i>La Gnomonique ,<br/>Denis Savoie.....</i>  | <b>14(i)</b> 14        |
| <i>Guernsey Sundials,</i>   |                        |

|  |                        |
|--|------------------------|
| David and Dorothy Le Conte.....  | <b>16(ii)</b> 84-85    |
| <i>An Introduction to the history of timekeeping – The Leicester Time-trail,</i><br>Allan Mills.....                               | <b>14(iii)</b> 122     |
| <i>Katalog zegarów słonecznych</i><br>[A catalogue of sundials of the Przypkowski Museum in Jędrzejów, Poland]<br>Darek Oczki..... | <b>26(i)</b> 48        |
| <i>Mass dials On Yorkshire Churches (BSS Monograph No. 3),</i><br>Alan Cook.....   | <b>20(iv)</b> 169      |
| <i>Medieval Graffiti: The Lost Voices of England's Churches,</i><br>Matthew Champion.....  | <b>29(i)</b> 11        |
| <i>La Mesure du Temps dans L'Antiquité</i><br>Jérôme Bonnin.....   | <b>27(ii)</b> 35       |
| <i>Les Méridiennes du Monde et Leur Histoire,</i><br>Andrée Gotteland.....   | <b>20(iv)</b> 168-169  |
| <i>Monks, Manuscripts and Sundials: the Navicula in Medieval England</i><br>Catherine Eagleton.....                                | <b>22(ii)</b> 52       |
| <i>Mrs Crowley's Sundial Sketchbooks of Devon and Cornwall,</i><br>(edited by) John Lester.....                                    | <b>20(ii)</b> 83       |
| <i>Relojes de Piedra en Galicia (Stone Sundials of Galicia),</i><br>José Luis Basanta.....   | <b>17(iii)</b> 132     |
| <i>Somerset Scratch Dials: The original photographs of Dom Ethelbert Horne</i><br>Tony Wood (BSS Monograph 11).....                | <b>28(iv)</b> 41       |
| <i>A Study of Altitude Dials (BSS Monograph No. 4),</i><br>Mike Cowham.....  | <b>21(i)</b> 37        |
| <i>A Study of the Quadrant</i><br>Mike Cowham.....   | <b>26(iii)</b> 29      |
| <i>Sundials,</i><br>C.St.J.H. Daniel.....  | <b>16(iii)</b> 116     |
| <i>Sundials at Greenwich,</i><br>Hester Higton.....  | <b>14(iii)</b> 123-125 |
| <i>Sundials: Cutting Time – The Science and Art of 27 Kindersley Dials</i><br>Frank King and Lida Lopes Cardozo Kindersley.....    | <b>31(i)</b> 39        |
| <i>Sundials: Design, Construction, and Use,</i><br>Denis Savoie.....   | <b>21(iii)</b> 43      |

|  |                      |
|--|----------------------|
| <i>“Sundials from Cardboard” Kits,</i><br>Sun King Verlag.....   | <b>14(ii)</b> 61     |
| <i>Sundials – History, Art, People, Science,</i><br>Mark Lennox-Boyd.....  | <b>18(ii)</b> 62     |
| <i>Sundials in Museums of the British Isles,</i><br>Ian Butson, Jill Wilson and Tony Wood. ....  | <b>23(i)</b> 20-21   |
| <i>Sundials of the British Isles,</i><br>(edited and published by) Mike Cowham.....  | <b>18(i)</b> 5       |
| <i>Sundials of Saint Petersburg. History, myths, fallacies. (In Russian)</i><br>Valery Dmitriev.....   | <b>31(i)</b> 16      |
| <i>The Sundial Page from Clocks Magazine,</i><br>Christopher St J. H. Daniel.....  | <b>27(iv)</b> 40     |
| <i>Tempus et regula: orologi solari medievali Italiani.</i><br>Vol. 1 – <i>Le origini e la storia</i><br>Mario Arnaldi.....                              | <b>23(i)</b> 21      |
| <i>Time,</i><br>Silke Ackerman and Paul Buck.....  | <b>16(i)</b> 32      |
| <i>Time in Antiquity,</i><br>Robert Hannah.....  | <b>21(iii)</b> 42-43 |
| <i>Time in Rutland: A History and Gazetteer of the bells, Scratch Dials,<br/>Sundials and Clocks of Rutland,</i><br>Robert Ovens and Shiela Sleath.....  | <b>14(iv)</b> 137    |
| <i>Time Lord: Sir Sandford Fleming and the Creation of Standard Time,</i><br>Clark Blaise.....   | <b>15(i)</b> 14-15   |
| <i>Time Reckoning in the Medieval World –<br/>A study of Anglo-Saxon and Early Norman Sundials,</i><br>D. Scott and M. Cowham (BSS Monograph No. 8)..... | <b>22(iii)</b> 9     |
| Book and Exhibition Review (title in italics, followed by author)  |                      |
| <i>Time and Cosmos in Greco-Roman Antiquity,</i><br>Alexander R. Jones (Editor and Exhibit Curator)<br>and Jennifer Y. Chi (Exhibition Director).....    | <b>29(i)</b> 22-23   |
| <i>Brain Teaser [L]</i> .....  | <b>19(ii)</b> 83     |

|  |                                      |
|--|--------------------------------------|
| Brasenose College, Oxford sundial.....   | <b>24(ii)</b> 15                     |
| Brass or Bronze? .....   | <b>19(ii)</b> 50-55                  |
| Brass or Bronze? [L].....  | <b>19(iii)</b> 111,123               |
| Bratwursts, Vineyards and Sundials.....  | <b>27(iv)</b> 6-9                    |
| A Brief History of the British Sundial Society, Part 2.....  | <b>14(i)</b> 28-32                   |
| A Brief History of the British Sundial Society, Part 3.....  | <b>15(i)</b> 20-24                   |
| The Brighton i360: a Giant Gnomonic Possibility.....   | <b>29(ii)</b> 2-8                    |
| A ‘Brilliant’ Australian Sundial.....  | <b>26(i)</b> 14-16                   |
| Bristol Three-Piece Dial.....  | <b>25(iii)</b> 25-26                 |
| The British are Coming: The North American Sundial Society Conference,<br>Chicago, August 2005.....  | <b>17(iv)</b> 156-157                |
| The British Sundial Society Annual Conference and AGM<br>held 19 <sup>th</sup> to 21 <sup>st</sup> April 2002 at the Crossmead Centre, Exeter..... | <b>14(iii)</b> 93-95                 |
| The British Sundial Society Annual Conference , Crossmead Centre, Exeter<br>– Group Photograph and Key.....  | <b>14(iv)</b> 174-175                |
| The British Sundial Society’s Library.....   | <b>30(iii)</b> 22-23                 |
| Bromley House Meridian Line uncovered in full [L].....   | <b>26(i)</b> 43                      |
| Brushing up on your Latin . . . Inscriptions.....  | <b>31(iii)</b> 7-9                   |
| BSS Accounts for the Year Ended, 31 December 2002.....   | <b>15(ii)</b> 83-84                  |
| BSS Accounts for the Year Ended, 31 December 2003.....   | <b>16(iii)</b> 108-109               |
| BSS Accounts for the Year Ended, 31 December 2004.....   | <b>17(ii)</b> 76-77                  |
| BSS Accounts for the Year Ended, 31 December 2005.....   | <b>18(ii)</b> 60-61                  |
| BSS Accounts for the Year Ended, 31 December 2006.....   | <b>19(ii)</b> 62-63                  |
| BSS Accounts for the Year Ended, 31 December 2007.....   | <b>20(iii)</b> 142-143               |
| BSS Accounts for the Year Ended, 31 December 2008.....   | <b>21(iii)</b> (Included separately) |
| BSS Accounts for the Year Ended, 31 December 2009.....   | <b>22(ii)</b> 26-27                  |
| BSS Accounts for the Year Ended, 31 December 2010.....   | <b>23(ii)</b> 28-29                  |
| BSS Accounts for the Year Ended, 31 December 2011.....   | <b>24(ii)</b> 26-27                  |
| BSS Accounts for the Year Ended, 31 December 2012.....   | <b>25(ii)</b> 30-31                  |
| BSS Accounts for the Period, 1 January to 8 August 2014.....   | <b>27(i)</b> 26-27                   |
| BSS Accounts for the Period, 7 February to 31 December 2014.....   | <b>27(ii)</b> 48-56                  |
| BSS Accounts for the Year Ended, 31 December 2015.....   | <b>28(i)</b> 36-44                   |
| BSS Accounts for the Year Ended, 31 December 2016.....   | <b>29(i)</b> 44-52                   |
| BSS Accounts for the Year Ended, 31 December 2017.....   | <b>30(i)</b> 39-48                   |
| BSS Accounts for the Year Ended, 31 December 2018.....   | <b>31(i)</b> 44-52                   |
| BSS Accounts for the Year Ended, 31 December 2019.....   | <b>32(i)</b> 47-56                   |
| BSS Annual Conference 2003 - Yarnfield, Staffordshire.....   | <b>15(ii)</b> 76-78                  |
| BSS Annual Conference 2004 - Oxford (15 <sup>th</sup> Anniversary).....  | <b>16(ii)</b> 80-83                  |
| BSS Annual Conference 2005 - Royal Holloway College, Egham, Surrey.....  | <b>17(ii)</b> 81-85                  |
| BSS Annual Conference 2006 - Collingwood College, Durham.....  | <b>18(ii)</b> 85-89                  |
| BSS Annual Conference 2007 - Fitzwilliam College, Cambridge.....   | <b>19(ii)</b> 86-90                  |
| BSS Annual Conference 2008 - Latimer, Buckinghamshire.....   | <b>20(ii)</b> 77-82                  |
| BSS Annual Conference 2009 - Grange-over-Sands, Cumbria.....   | <b>21(iii)</b> 21-25                 |
| BSS Annual Conference 2010 - Exeter University, Devon (21 <sup>st</sup> Anniv.).....   | <b>22(ii)</b> 31-35                  |
| BSS Annual Conference 2011 - Wyboston Lakes, Bedfordshire.....   | <b>23(iii)</b> 28-33                 |
| BSS Annual Conference 2012 - Cheltenham, Gloucestershire.....  | <b>24(ii)</b> 48-51                  |
| BSS Annual Conference 2012 - Cheltenham, Gloucestershire (Group Photo.).....   | <b>24(iii)</b> 18                    |
| BSS Annual Conference 2013 – Edinburgh, Scotland.....  | <b>25(ii)</b> 52-56                  |
| BSS Annual Conference 2014 – Greenwich, London (25 <sup>th</sup> Anniversary).....   | <b>26(iii)</b> 34-39                 |
| BSS Annual Conference 2015 – Nottingham, Notts., 10-12 April 2015.....   | <b>27(ii)</b> 41-45                  |

|   |                                    |
|---|------------------------------------|
| BSS Annual Conference 2016 – Liverpool, Merseyside, 15-17 April 2016..... | <b>28(ii)</b> 44-48                |
| BSS Annual Conference 2017 – Oxford, 21-23 April 2017.....                | <b>29(ii)</b> 42-47                |
| BSS Annual Conference 2018 – Norwich, 20-22 April 2018.....               | <b>30(ii)</b> 41-47                |
| BSS Annual Conference 2019 – Bath, 26-28 April 2019.....                  | <b>31(ii)</b> 38-44                |
| BSS Bulletin Cumulative Contents for Vol. 14 (2002).....                  | <b>14(iv)</b> 176                  |
| BSS Bulletin Cumulative Contents for Vol. 16 (2004).....                  | <b>16(iv)</b> 176                  |
| BSS Conferences (past Somerville lectures listed).....                    | <b>23(i)</b> (Front cover)         |
| BSS Conference Venues [L].....  | <b>23(iii)</b> 44                  |
| The BSS Gavel.....  | <b>30(ii)</b> 33                   |
| BSS Grants Policy.....  | <b>17(iv)</b> 176                  |
| BSS in National Science Week [L].....                                     | <b>17(iii)</b> 105                 |
| BSS Logo.....   | <b>17(iii)</b> 131                 |
| BSS Merchandise.....  | <b>26(iv)</b> (Inside front cover) |
| BSS Merchandise.....  | <b>31(i)</b> (Inside front cover)  |
| BSS Newbury Meeting, 24 September 2005.....                               | <b>17(iv)</b> 168-169              |
| BSS Newbury Meeting, 23 September 2006.....                               | <b>18(iv)</b> 182-183              |
| BSS Newbury Meeting, 22 September 2007.....                               | <b>19(iv)</b> 151, 155             |
| BSS Newbury Meeting, 27 September 2008.....                               | <b>20(iv)</b> 157-159              |
| BSS Newbury Meeting, 26 September 2009.....                               | <b>21(iv)</b> 23-25                |
| BSS Newbury Meeting, 25 September 2010.....                               | <b>22(iv)</b> 31-32                |
| BSS Newbury Meeting, 24 September 2011.....                               | <b>23(iv)</b> 50-51                |
| BSS Newbury Meeting, 22 September 2012.....                               | <b>24(iv)</b> 28-29, 33            |
| BSS Photographic Competition 2004.....                                    | <b>17(ii)</b> 78-80                |
| BSS Photographic Competition 2005.....                                    | <b>18(ii)</b> 54-56                |
| BSS Photographic Competition 2006.....                                    | <b>19(ii)</b> 56-58                |
| BSS Photographic Competition 2006.....                                    | <b>19(iii)</b> 135-136             |
| BSS Photographic Competition 2007.....                                    | <b>20(ii)</b> 95-98                |
| BSS Photographic Competition 2007.....                                    | <b>20(iii)</b> 115                 |
| BSS Photographic Competition 2008-9.....                                  | <b>21(ii)</b> 31-33                |
| BSS Photographic Competition 2008-9: The Conference Vote.....             | <b>21(iii)</b> 38-39               |
| BSS Photographic Competition 2010-11.....                                 | <b>23(ii)</b> 33-35                |
| BSS Photographic Competition 2010-11: Part 2 – The Conference Vote.....   | <b>23(iii)</b> 8-9                 |
| BSS Photographic Competition 2012-13.....                                 | <b>25(iii)</b> 20-24               |
| BSS 25 <sup>th</sup> Anniversary Photographic Competition 2013-14.....    | <b>26(iii)</b> 45-47               |
| BSS Photographic Competition 2015-16.....                                 | <b>28(ii)</b> 40-43                |
| BSS Photographic Competition 2017-18.....                                 | <b>30(ii)</b> 37-40                |
| BSS Sundial Awards 2010-2015.....   | <b>28(ii)</b> 16-19                |
| BSS Sundial Design Competition.....                                       | <b>22(iv)</b> 45-48                |
| Erratum.....  | <b>23(ii)</b> 1                    |
| BSS Sundial Safari to the Alsace, 6-11 September 2008.....                | <b>20(iv)</b> 193-197              |
| BSS Sundial Safari to East Anglia, 19-25 September 2009.....              | <b>21(iv)</b> 43-48                |
| BSS Sundial Safari to Le Mans, France, 7-11 September 2011.....           | <b>23(iv)</b> 10-13                |
| BSS Sundial Safari to Catalonia, 13-18 September 2012.....                | <b>24(iv)</b> 36-39                |
| BSS Visit to Nurnberg.....  | <b>18(iv)</b> 180-182              |
| BSS Visit to the Royal Greenwich Observatory.....                         | <b>21(iv)</b> 13                   |
| BSS 30 <sup>th</sup> Birthday Cake.....                                   | <b>31(ii)</b> 19                   |
| The Brunson Universal Sun Compass.....                                    | <b>24(ii)</b> 22-24                |
| Building the Chime Dial.....  | <b>22(ii)</b> 37                   |
| Building a Sundial at Chestnut Cottage.....                               | <b>24(iv)</b> 30-33                |
| A Buried Sundial.....   | <b>16(ii)</b> 57-59                |

|  |                      |
|--|----------------------|
| The Buscot Obelisk.....                                | <b>25(iii)</b> 2-5   |
| Butterfield dial in the Kirshgarten Museum, Basel..... | <b>20(iv)</b> 156    |
| Butterfield Dial Gnomons.....                          | <b>30(iii)</b> 12-15 |

# C

|   |                        |
|---|------------------------|
| Cakes from the 2015 Conference.....   | <b>27(iii)</b> 12      |
| Calendar Dials.....   | <b>14(i)</b> 39-40     |
| A Calendar Dial for installation on the Moon.....                                     | <b>26(iii)</b> 30-33   |
| The Canterbury Pendant.   |                        |
| Part 1: A New insight from an ancient rule<br>for making portable altitude dials..... | <b>23(iv)</b> 2-7      |
| Part 2: Relationships with the Libellus' rule.....                                    | <b>24(i)</b> 8-12      |
| Canterbury Pendant.....   | <b>24(i)</b> 48        |
| Canterbury Pendant etc [L].....   | <b>24(ii)</b> 46       |
| Canvey Island Dial.....   | <b>27(i)</b> 51        |
| Captain Sturmy's Polyhedral Dial.....   | <b>23(i)</b> 17        |
| Cartography [L].....  | <b>18(iv)</b> 165-166  |
| Cathedral Mass Dials.....   | <b>24(iii)</b> 19      |
| Catterick, Yorkshire dial.....  | <b>19(ii)</b> 65       |
| CD-ROM Review.....  | <b>17(iv)</b> 159      |
| Celestial ring Dial.....  | <b>15(ii)</b> 63-68    |
| A Celtic Quartet.....   | <b>20(ii)</b> 84-87    |
| The Celtic Quartet Re-visited and Augmented.....                                      | <b>24(iv)</b> 40-41    |
| Centrovalli: There are even more Sundials in the Centrovalli! .....                   | <b>16(ii)</b> 64       |
| A Ceramic Sundial.....  | <b>25(iv)</b> 31       |
| Charles Darwin's Sundial.....   | <b>20(ii)</b> 64-67    |
| Chatsworth and our Chairman.....  | <b>19(ii)</b> 63       |
| Check-in at Noon – A noon dial with analemma at an airport check-in desk.....         | <b>24(iii)</b> 7       |
| The Chetwode Quadrant: A medieval Unequal-Hour Instrument.....                        | <b>27(ii)</b> 2-6      |
| Child looking at Sundial (sketch).....  | <b>20(iii)</b> 135     |
| Children's Sundial Competition.....   | <b>24(ii)</b> 16       |
| Chilham, Kent Sundial.....  | <b>20(iii)</b> 106     |
| A Chime Dial.....   | <b>22(ii)</b> 36       |
| Chiming Sundial.....  | <b>21(ii)</b> 48       |
| Chiming sundial [L].....  | <b>21(iii)</b> 20      |
| A Chinese Book of Sundials and a Noon Mark Sundial in Australia.....                  | <b>26(i)</b> 12-13     |
| Chinese Dials.....  | <b>16(ii)</b> 79       |
| Chocolate Sundials.....   | <b>23(iv)</b> 7        |
| The Chord Rediscovered.....   | <b>29(iv)</b> 6-8      |
| Christmas Greetings Card, with Sundial.....   | <b>23(iv)</b> 1        |
| Christopher Daniel Receives His MBE.....  | <b>26(i)</b> 25        |
| Church Alignment: Towards patronal saint sunrise? .....                               | <b>18(iii)</b> 132-136 |
| Church Orientation.....   | <b>18(i)</b> 16-17     |

|  |                        |
|--|------------------------|
| Church Orientations [L].....   | <b>18(iv)</b> 166      |
| Church Orientations (reply) [L].....   | <b>18(iv)</b> 166      |
| Church Tower Horizontal Sundials.....  | <b>16(iv)</b> 172      |
| The Clef-Callier and the Equation of Time.....   | <b>20(i)</b> 2         |
| The Clock and the Sundial.....   | <b>24(iii)</b> 21      |
| Clock Ephemera and Sundials.....   | <b>19(iv)</b> 172      |
| Clockmakers and Dialmakers [L].....  | <b>22(i)</b> 23        |
| A close look at a Salisbury Dial.....  | <b>17(iii)</b> 101-103 |
| Coalbrookdale Sundial Pillar [L].....  | <b>15(ii)</b> 62       |
| Collectors' Dials.....   | <b>21(iv)</b> 17       |
| "Come, Light! Visit Me!".....  | <b>28(iii)</b> 26-27   |
| <i>Conarachne et Pelecinum: About some Graeco-Roman Sundial Types</i> .....                    | <b>27(i)</b> 28-32     |
| The Construction of an Equatorial Sundial<br>with a Reference to Anaximander's Skiatheron..... | <b>22(iv)</b> 22-25    |
| Construction of my Lawn Analemmatic Sundial.....   | <b>21(i)</b> 18-20     |
| Constructing the Sundial and Planet Garden at West Park, Long Eaton.....                       | <b>28(iv)</b> 6-8      |
| Cooke's New Sundial and the Beardsmore Heliochronometer.....                                   | <b>19(i)</b> 31-32     |
| Cord Sundial in 's-Graveland.....  | <b>31(iv)</b> 17-21    |
| The Coronation Dial at Painswick.....  | <b>23(iii)</b> 22      |
| Could Anyone Mistake this for a Scratch Dial? .....  | <b>28(i)</b> 12        |
| A Couple of Cumbrian Dials. Part 1: The Ambleside Dial.....                                    | <b>30(iii)</b> 8-12    |
| A Couple of Cumbrian Dials. Part 2: The Penrith Dial.....                                      | <b>30(iii)</b> 19-22   |
| The Courtyard of Time of Cascina Picchetta, Cameri, Piedmont.....                              | <b>17(i)</b> 15-21     |
| A Craftsman's Hand Helped Skirlaugh Sundial to Live On.....                                    | <b>26(iii)</b> 10-11   |
| The Cross Dial by C V Boys at the Royal Botanic Gardens, Kew.....                              | <b>17(iv)</b> 172-175  |
| The Cross Dials and Mottos of the Reverend Robert Essington.....                               | <b>31(iii)</b> 27-32   |
| The Cross or Crucifix Dial.....  | <b>25(ii)</b> 23-27    |
| Crossword Puzzle.....  | <b>28(ii)</b> 39       |
| Crossword Puzzle (Solution).....   | <b>28(iii)</b> 33      |
| The Crowan Dial: First Impressions.....  | <b>14(iv)</b> 168-170  |
| The Crowan Dial [L].....   | <b>15(i)</b> 15-16     |
| The Crowan Dial: A Comment [L].....  | <b>15(i)</b> 16        |
| Cube Dial at Abbotsford House, Scottish Borders.....   | <b>19(iii)</b> 117     |
| The Curious Holes in the St Michael's Church Dial, Beccles.....                                | <b>17(ii)</b> 64-65    |
| A Curious Oxford Sundial.....  | <b>29(ii)</b> 33       |
| A Curious Sundial and a Question of Attribution.....   | <b>14(ii)</b> 82-84    |
| The Cylindrical Box of Antoninus Pius.....   | <b>16(iii)</b> 124-132 |
| The Cylindrical Box of Antoninus Pius- Part 2.....   | <b>16(iv)</b> 143-145  |

## D

|  |                        |
|--|------------------------|
| The Dandelion -- Nature's Sundial.....                 | <b>17(ii)</b> 61       |
| Daniel Delander Dial Recovered.....                    | <b>23(iii)</b> 23      |
| Daniel O'Connell, Teacher and Slate Sundial Maker..... | <b>19(iv)</b> 146-150  |
| Dating a Scratch Dial [L].....                         | <b>15(iii)</b> 111-112 |
| David Harber – A visit report.....                     | <b>19(ii)</b> 66-68    |

|  |                        |
|--|------------------------|
| A Day in the Library (Chairman, Frank King at Cambridge).....          | <b>25(iv)</b> 21       |
| Death at the Sundial.....  | <b>19(i)</b> 11        |
| The Declination and Possible Reclination or Inclination of a Wall..... | <b>14(ii)</b> 74-75    |
| Declination Lines Detailed.....  | <b>19(iii)</b> 137-140 |
| The Decorative Arts of the Portable Dialmaker.....                     | <b>26(ii)</b> 8-15     |
| Decorative Dials.....  | <b>24(iii)</b> 35      |
| The Decorative Dials of Coaraze, Côte d'Azure, France.....             | <b>28(i)</b> 18-20     |
| A Decorative Tile Dial.....  | <b>26(ii)</b> 7        |
| A Decorative Swiss Dial.....   | <b>26(ii)</b> 33       |
| Definitions in the Glossary [L].....                                   | <b>14(iv)</b> 139      |
| Delhi Sundial.....   | <b>29(i)</b> 8         |
| Derbyshire Sun Dials.....  | <b>19(i)</b> 2-8       |
| A Derivation of the Equation of Time.....                              | <b>14(i)</b> 17-19     |
| Designing and Creating Pierced Gnomons – Some initial ideas.....       | <b>25(iv)</b> 45-49    |
| Designing Sundials Using 3D Drawing Software-                          |                        |
| - Implementing the BSS Horizontal Sundial.....                         | <b>27(iv)</b> 42-43    |
| A Dial at the National Museums of Scotland, Edinburgh.....             | <b>14(ii)</b> 45       |
| A Dial by George Bradford.....   | <b>25(iv)</b> 7        |
| A Dial by Martin Crosby?.....  | <b>31(i)</b> 12-13     |
| A Dial by Richard Melville in Andover, Hampshire.....                  | <b>19(iv)</b> 187-189  |
| Dial Dealings 2001.....  | <b>14(i)</b> 10-13     |
| Dial Dealings 2002.....  | <b>15(i)</b> 24-28     |
| Dial Dealings 2003.....  | <b>16(i)</b> 27-31     |
| Dial Dealings 2004.....  | <b>17(i)</b> 29-33     |
| Dial Dealings 2005.....  | <b>18(i)</b> 28-32     |
| Dial Dealings 2006.....  | <b>19(i)</b> 15-18     |
| Dial Dealings 2007.....  | <b>20(i)</b> 38-40     |
| Errata.....  | <b>20(ii)</b> 1        |
| Dial Dealings 2008.....  | <b>21(i)</b> 32-36     |
| Dial Dealings 2009.....  | <b>22(i)</b> 28-32     |
| Dial Dealings 2010.....  | <b>23(i)</b> 40-42     |
| Dial Dealings 2011.....  | <b>24(i)</b> 39-42     |
| Dial Dealings 2012.....  | <b>25(i)</b> 41-44     |
| Dial Dealings 2013.....  | <b>26(i)</b> 22-25     |
| Dial Dealings 2014.....  | <b>27(i)</b> 14-17     |
| Dial Dealings 2015.....  | <b>28(i)</b> 6-9       |
| Dial Dealings 2016.....  | <b>29(i)</b> 32-36     |
| Dial Dealings 2017.....  | <b>30(i)</b> 16-19     |
| Dial Dealings 2018.....  | <b>31(i)</b> 14-16     |
| Dial Dealings 2019.....  | <b>32(i)</b> 21-23     |
| The Dial Designed for Church Street, Sheffield, by E A Pippet.....     | <b>22(i)</b> 18-20     |
| A Dial Displaced by a Bridge: Dial Square, Norwich.....                | <b>30(ii)</b> 48       |
| The Dial from the 'Palais Farnèse': Roman or Modern? .....             | <b>24(ii)</b> 44-46    |
| Dial House, Twickenham.....  | <b>21(ii)</b> 4        |
| Dialling from "The Ladies Diary".....                                  | <b>21(iv)</b> 15-17    |
| Dialling Instruments in Holbein's Painting 'The Ambassadors'.....      | <b>27(iii)</b> 42-47   |
| Dialling made (almost too) easy.....                                   | <b>16(iv)</b> 146-151  |
| Dialling Tales: The Day That I Said "No".....                          | <b>26(iii)</b> 13      |
| Diallist's Alphabet.....   | <b>20(iv)</b> 169      |
| The Diallist's Apprentice (poem).....                                  | <b>17(i)</b> 41        |

|  |                        |
|--|------------------------|
| A Diallist's Pub.....  | <b>24(iv)</b> 10       |
| Dial on the house of Compton Wynyates, Warwickshire.....   | <b>17(iii)</b> 100     |
| The Dials at St Mary's, Elmley Castle, Worcestershire.....   | <b>15(i)</b> 40-42     |
| The Dials of Middle Verdon.....  | <b>25(i)</b> 34-36     |
| The Dials of Saint-Hippolyte-Du-Fort, France.....  | <b>24(i)</b> 14-17     |
| The Dial of Ahaz.....  | <b>19(iii)</b> 141-144 |
| The Dial Still Lives! .....  | <b>18(i)</b> 22        |
| The Dial that Never Was.....   | <b>20(ii)</b> 91       |
| Dial the Sun (poem).....   | <b>22(iii)</b> 1       |
| A Dial to Travel With.....   | <b>23(ii)</b> 26       |
| (See also the associated item, <i>The John Rowley Dial</i> , by John Davis).....                   | <b>23(ii)</b> 26       |
| Dial Transmission [L].....   | <b>24(i)</b> 42        |
| A Dial with a Royal Cipher.....  | <b>15(iii)</b> 129-130 |
| Dial Vandalism [L].....  | <b>16(iv)</b> 155-156  |
| Dickensian Dials.....  | <b>25(i)</b> 26-28     |
| 'Dig for Victory' Sundial.....   | <b>28(i)</b> 11-12     |
| A "Digit-al" Sundial.....  | <b>17(iii)</b> 115     |
| The Dillington Double-Horizontal Dial and John Marke.....  | <b>20(iii)</b> 119-120 |
| The Dinmore Dial.....  | <b>18(iv)</b> 157-158  |
| The Dinton Church Sundial.....   | <b>14(iv)</b> 150-154  |
| Direction Cosines for the accurate Delineation of Planar Sundials.....                             | <b>17(ii)</b> 47-51    |
| The Discovery of a Spherical Sundial at Hilton, Cambridgeshire.....                                | <b>15(iii)</b> 116-119 |
| A Disregarded Seventeenth-Century Horizontal Dial from Scotland.....                               | <b>27(iv)</b> 35-37    |
| A DIY Garden Heliochronometer.....   | <b>29(iii)</b> 36-40   |
| Dizzy's Dial.....  | <b>31(iv)</b> 10-11    |
| Dom Ethelbert Horne: Founding Father of Mass Dial Studies.....                                     | <b>17(iii)</b> 128-129 |
| A Double Catenary Bifilar Sundial<br>for the Balearic Islands University Campus.....               | <b>21(iv)</b> 34-37    |
| The Double Horizontal Dial -- Then and Now:<br>at the Oxford Museum of the History of Science..... | <b>21(ii)</b> 11       |
| Double Horizontal Dial (cartoon).....  | <b>22(i)</b> 40        |
| Double Trouble – The realization in bronze<br>of the Henry Wynne replica dial.....                 | <b>18(i)</b> 35-39     |
| Double Restoration at Barnes.....  | <b>27(iv)</b> 41       |
| Do we need Shadow Sharpeners? .....  | <b>16(i)</b> 4-6       |
| Down at the Garden Centre: A Recorder's Afternoon.....   | <b>20(i)</b> 10        |
| A Dozen Dials: A Warwickshire Walk.....  | <b>15(ii)</b> 87-88    |
| Drilling Brass Without Tears.....  | <b>19(iii)</b> 124     |
| Drinkwater's challenge [L].....  | <b>23(iv)</b> 47       |
| Drinkwater's challenge (Peter Drinkwater counter-responds) [L].....                                | <b>23(iv)</b> 47       |
| The Druid.....   | <b>15(iv)</b> 144-145  |
| Dual Shadows [L].....  | <b>17(iii)</b> 104     |
| Dual Shadows (reply) [L].....  | <b>17(iii)</b> 104     |
| Dual Sundials [L].....   | <b>19(ii)</b> 82       |
| Dumfries House Armillary Sphere.....   | <b>27(i)</b> 52        |
| Dunbar Dials.....  | <b>31(i)</b> 25        |
| The Duncraggan Stone.....  | <b>25(i)</b> 30-33     |
| Durham [L].....  | <b>18(iii)</b> 117     |
| A Dutch Manuscript Showing Polyhedral Dials.....   | <b>24(iii)</b> 23-26   |

## E

|   |   |
|---|---|
| Early 19 <sup>th</sup> Century English Drawings of Greek Dials.....                         | <b>24(iii)</b> 43-44  |
| Early Dialling Manuscript Found.....  | <b>18(iii)</b> 138  |
| Early Dials [L].....  | <b>24(i)</b> 42+48  |
| Early East-Facing Dials.....  | <b>21(ii)</b> 13  |
| An Early English Horizontal Dial.....   | <b>28(ii)</b> 26-28   |
| Early French “Shell” Dials.....   | <b>19(i)</b> 19-23  |
| An Early Meridian Line in a Former Stately Home, Hampshire.....                             | <b>20(iii)</b> 102-106  |
| An Early Meridian Line in a Former Stately Home, Hampshire<br>– Additional Information..... | <b>20(iv)</b> 198-199   |
| An Early Planisphere from the Hanse Town of Hamburg.....                                    | <b>16(i)</b> 42-44  |
| Early Tudor Dials [L].....  | <b>27(iii)</b> 47   |
| Earth’s Only Wearable Vertical Sundial (advert).....  | <b>23(iv)</b> 23  |
| Earth’s Rotation [L].....   | <b>17(iv)</b> 155   |
| Earth’s Rotation [L].....   | <b>18(i)</b> 22   |
| Earth’s Rotation.....   | <b>19(i)</b> 10-11  |
| East of Evesham.....  | <b>17(ii)</b> 62-63   |
| The Eaton Hall Sundial Pillar.....  | <b>26(iii)</b> 24-28  |
| The Ecclesiastical ‘Scratch Dial’ as a Serious Timekeeper.....                              | <b>23(ii)</b> 36-43   |
| The Ecclesiastical ‘Scratch Dial’ as a Serious Time-keeper [L].....                         | <b>23(iii)</b> 37+44  |
| The Eclipse as Seen in Fife.....  | <b>27(ii)</b> 21  |
| An Ecliptic Calendar Dial.....  | <b>17(i)</b> 36-41  |
| Editorial.....  | <b>14(i)</b> 2; <b>14(ii)</b> 44; <b>14(iii)</b> 90; <b>14(iv)</b> 134;<br><b>15(i)</b> 2; <b>15(ii)</b> 46; <b>15(iii)</b> 90; <b>15(iv)</b> 134;<br><b>16(i)</b> 2; <b>16(ii)</b> 46; <b>16(iii)</b> 90; <b>16(iv)</b> 134;<br><b>17(i)</b> 2; <b>17(ii)</b> 46; <b>17(iii)</b> 90; <b>17(iv)</b> 133;<br><b>18(i)</b> 1; <b>18(ii)</b> 49; <b>18(iii)</b> 97; <b>18(iv)</b> 145;<br><b>19(i)</b> 1; <b>19(ii)</b> 49; <b>19(iii)</b> 97; <b>19(iv)</b> 145;<br><b>20(i)</b> 1; <b>20(ii)</b> 49; <b>20(iii)</b> 101; <b>20(iv)</b> 153;<br><b>21(i)</b> 1; <b>21(ii)</b> 1; <b>21(iii)</b> 1; <b>20(iv)</b> 1;<br><b>22(i)</b> 1; <b>22(ii)</b> 1; <b>22(iii)</b> 1; <b>22(iv)</b> 1;<br><b>23(i)</b> 1; <b>23(ii)</b> 1; <b>23(iii)</b> 1; <b>23(iv)</b> 1;<br><b>24(ii)</b> 1; <b>24(iii)</b> 1; <b>24(iv)</b> 1;<br><b>25(i)</b> 1; <b>25(ii)</b> 1; <b>25(iii)</b> 1; <b>25(iv)</b> 1;<br><b>26(i)</b> 1; <b>26(ii)</b> 1; <b>26(iii)</b> 1; <b>26(iv)</b> 1;<br><b>27(i)</b> 1; <b>27(ii)</b> 1; <b>27(iii)</b> 1; <b>27(iv)</b> 1;<br><b>28(i)</b> 1; <b>28(ii)</b> 1; <b>28(iii)</b> 1; <b>28(iv)</b> 1;<br><b>29(i)</b> 1; <b>29(ii)</b> 1; <b>29(iii)</b> 1; <b>29(iv)</b> 1;<br><b>30(i)</b> 1; <b>30(ii)</b> 1; <b>30(iii)</b> 1; <b>30(iv)</b> 1;<br><b>31(i)</b> 1; <b>31(ii)</b> 1; <b>31(iii)</b> 1; <b>31(iv)</b> 1;<br><b>32(i)</b> 1; <b>32(ii)</b> 1; |

|  |                              |
|--|------------------------------|
| Editor's Choice (BSS Photographic Competition, 2013-14).....   | <b>26(iii)</b> 48            |
| An Edwin Russell Designed Horizontal Dial.....   | <b>25(iv)</b> 14             |
| The Egyptian Face [L].....   | <b>19(i)</b> 9-10            |
| "Eight Bells and Topmasts".....  | <b>14(i)</b> 42-43           |
| Eighth Most Expensive Book in May.....   | <b>25(iii)</b> 19            |
| Electronic Input of Fixed Dial Reports.....  | <b>23(iii)</b> (Front cover) |
| An Electronic Polarization Sundial and Photometer.....   | <b>21(i)</b> 14-16           |
| Erratum.....   | <b>21(ii)</b> 1              |
| Electronic Sundials (Cartoon).....   | <b>21(ii)</b> 40             |
| Elias Allen Sundial at Ashurst, Kent.....  | <b>19(ii)</b> 77             |
| English Pottery Sundial Picture.....   | <b>27(ii)</b> 17             |
| English Mass & Scratch Dial Prevalence<br>– a Preliminary Comparison with France.....                      | <b>22(ii)</b> 14-16          |
| English Scratch (Mass) Dials: The Ravages of Time.....   | <b>20(iii)</b> 110-111       |
| The Ravages of Time Revisited.....   | <b>23(i)</b> 36-38           |
| The English Scratch and Mass Dial Era:<br>The Evidential Period c. 1250-c. 1650.....                       | <b>21(iv)</b> 18-19          |
| English Mass & Scratch Dials c. 1250-1650<br>Combining statistical and religious evidence.....             | <b>23(iii)</b> 20-22         |
| English Reformation and Protestant Scratch Dials of the 16 <sup>th</sup> & 17 <sup>th</sup> Centuries..... | <b>24(i)</b> 36-38           |
| The English Scratch and Mass Dial Era: Origins to c. 1250.....   | <b>22(i)</b> 14-17           |
| English Sundial Makers in Russia – Part 1, Before the beginning.....                                       | <b>18(iii)</b> 120-127       |
| Engraved Decoration on English Horizontal Dials.....   | <b>26(ii)</b> 48-52          |
| Ephemerides [L].....   | <b>17(ii)</b> 63             |
| The Equation of Time as Shown on Sundials.....   | <b>15(iv)</b> 135-144        |
| The Equation of Time: The Invention of the Analemma:<br>A brief history of the subject – Part 1.....       | <b>17(iii)</b> 97-100        |
| A brief history of the subject – Part 2.....   | <b>17(iv)</b> 142-154        |
| An Equatorial Analemmatic and Calendar Sundial, Alicante, Spain.....                                       | <b>22(i)</b> 12-13           |
| The Equatorial dials of Kloppenburgh & Cremer.....   | <b>24(iv)</b> 12-14          |
| Equatorial Equinoctial Sundial.....  | <b>17(i)</b> 13              |
| An Equatorial Mean Time Sundial.....   | <b>20(i)</b> 46-47           |
| Equatorial Sundial by Lake Como, Italy.....  | <b>17(ii)</b> 58-59          |
| Equatorial Sundial in India.....   | <b>28(i)</b> 31              |
| Equatorial Sundial Unveiled by the Queen.....  | <b>16(iii)</b> 118-119       |
| An Equatorial Sundial with EoT Adjustment.....   | <b>21(ii)</b> 24-30          |
| An Equatorial Sundial with EoT Adjustment: Update.....   | <b>24(iii)</b> 46-47         |
| The Equinoctial Armilla<br>on the Façade of the Santa Maria Novella Basilica, Florence.....                | <b>22(iv)</b> 2-7            |
| Erratic Numerals.....  | <b>25(ii)</b> 42-43          |
| Erratum (ref - <i>The Reworking of Mass Dials (BSS Bull. 25(iv) pp. 40-41)</i> ).....                      | <b>26(i)</b> 1               |
| Erratum (ref - <i>The Slate Dials of Brittany (BSS Bull. 26(iv) Dec. 2014)</i> ).....                      | <b>27(i)</b> 1               |
| Errors in Dials at the Wrong Latitude.....   | <b>21(ii)</b> 10-11          |
| The Esperance Stonehenge in Australia.....   | <b>29(iii)</b> 44-46         |
| To Estimate the Declination of a Dial.....   | <b>15(i)</b> 33-34           |
| The Evolution of English Mass & Scratch Dials c.1250 – c.1650  |                              |

|  |                      |
|--|----------------------|
| Part 1 – Dial Categorisation.....                      | <b>22(iii)</b> 24-26 |
| Part 2 – Age Ranking Dials by Type.....                | <b>22(iv)</b> 42-    |
| 44   |                      |
| Examine Your Dials.....                                | <b>23(i)</b> 45      |
| An Excavated Lead Sundial.....                         | <b>24(iv)</b> 18-20  |
| An Exceptional Sundial.....                            | <b>26(iv)</b> 2-4    |
| Exhibition of Sundials, North Oxford.....              | <b>24(iii)</b> 45+48 |
| Extending the Range of a Sundial.....                  | <b>14(i)</b> 41      |
| Extract from Joseph Moxon’s “Mechanick Exercises”..... | <b>19(i)</b> 27      |

## F

|   |                         |
|---|-------------------------|
| Fakes and Forgeries.....  | <b>15(iii)</b> 91-96    |
| Familiar Faces in Victoria.....   | <b>27(iii)</b> 1        |
| A Fathers Day Present.....  | <b>23(iii)</b> 44       |
| The Faversham Guildhall Noon-Mark.....  | <b>25(iii)</b> 16-18    |
| A Felt Sundial.....   | <b>22(ii)</b> 13        |
| A Few Fine French Sundials.....   | <b>30(iv)</b> 38-42     |
| Finding North with a Magnetic Compass- The Accuracies Achievable.....           | <b>16(i)</b> 38-43      |
| Finding the Sun’s Position in the Zodiac.....                                   | <b>20(i)</b> 14-16      |
| Finding True North by Compass in 1927-40.....                                   | <b>15(iv)</b> 145-146   |
| Finlay, Dial Maker [L].....   | <b>16(iv)</b> 155       |
| The First Dial at Chastleton House, Oxfordshire.....                            | <b>16(ii)</b> 86-87     |
| The First International Conference on Sun-dials.....                            | <b>25(i)</b> 24-25      |
| Five Sundials at Dunmore, Co. Donegal.....                                      | <b>16(iv)</b> 163-170   |
| A Flagpole Sundial.....   | <b>17(i)</b> 14         |
| A Floral Dial.....  | <b>25(iv)</b> 15        |
| Focussing Spheres [L].....  | <b>21(iv)</b> 5         |
| Folkard and Ward, Sundials Australia: A visit report.....                       | <b>21(ii)</b> 5-8       |
| Foreign Journals.....   | <b>15(iv)</b> 160-161   |
| For Register, Please [L].....   | <b>16(ii)</b> 83        |
| For Valour.....   | <b>30(i)</b> 26-27      |
| The Forsyth Sundial – Faversham.....  | <b>24(ii)</b> 34-35     |
| The Foster-Point Sundial: Time in a Perfect Round.....                          | <b>14(i)</b> 7-9        |
| Fountains Hall, Ripon Sundial.....  | <b>21(i)</b> 13         |
| Four Horizontal Sundials in Schools of Volos, Alonnisos<br>and Stefanoviki..... | <b>23(i)</b> 32-34      |
| Four Sundials in Adelaide, South Australia.....                                 | <b>22(iv)</b> 12-16, 21 |
| Frank Evans BSc PhD - Obituary.....   | <b>29(iv)</b> 39        |
| Frank King wins the Sawyer Dialing Prize.....                                   | <b>25(i)</b> 33         |
| French Three-in-One Dial.....   | <b>28(ii)</b> 14-15     |
| A Freshly-excavated Sundial From Antiquity Found in Turkey.....                 | <b>32(ii)</b> 44        |
| Fridge magnet, in the form of a vertical declining dial.....                    | <b>19(iv)</b> 175       |
| Fridge magnet in the form of a vertical declining dial from France.....         | <b>20(iii)</b> 151      |
| From A P Herbert to F Chichester [L].....                                       | <b>24(ii)</b> 46-47     |
| From Old to New – A Restoration Project: The Nazeing Church Sundial.....        | <b>26(iv)</b> 20-23     |

|   |                          |
|---|--------------------------|
| From the Mental Home and Workhouse.....                                     | <b>16(i)</b> 33-36       |
| From the Register (Recorder)  |                          |
| A double take on a direct dial (SRN 5967).....                              | <b>17(ii)</b> 78         |
| Flies on Dials? (SRN5693).....  | <b>17(ii)</b> 75         |
| Grundisburgh, Suffolk. (SRN 1273).....                                      | <b>16(iv)</b> 156        |
| Tempus Fugit? .....   | <b>17(iii)</b> 108       |
| The Woodstock Dial – solving a conundrum? .....                             | <b>17(iii)</b> 108       |
| There's a Lovely Sundial in that Garden...! .....                           | <b>20(ii)</b> 95         |
| From the Register--Wiltshire's Wonderful Sundials.....                      | <b>17(ii)</b> 77         |
| From William Leybourn, 1700.....  | <b>15(i)</b> 37-40       |
| Fry's Chocolates "Ancient Sundials" Cards.....                              | <b>25(ii)</b> 41         |
| Ditto - several of these cards used as Bulletin "fillers".....              | <b>25(ii)</b> 13, 17, 34 |
| Fun Dial for the Visually Impaired.....                                     | <b>30(iv)</b> 19         |
| Further comments on the Sundial of St. Mary's, Stoke D'Abernon, Surrey..... | <b>17(i)</b> 21-22       |
| The Future of Dialling.....   | <b>26(iv)</b> 19         |

## G

|   |                       |
|---|-----------------------|
| Gaocheng Calendrical Observatory, China.....  | <b>24(ii)</b> 2-7     |
| A Gamble That Paid Off – A horizontal dial by Chadburn Bros., Sheffield.....                      | <b>30(i)</b> 2-5      |
| A Garden Heliochronometer (a mean-time horizontal dial).....                                      | <b>25(ii)</b> 18-22   |
| A Garden Ornament.....  | <b>14(ii)</b> 84      |
| The Gavel: A Note from the Chairman.....  | <b>15(ii)</b> 73      |
| The Geographic Distribution of Surviving English Scratch (Mass) Dials.....                        | <b>20(ii)</b> 75-76   |
| George Watts' Dial.....   | <b>20(ii)</b> 63      |
| ----- Watts' Dial.....  | <b>20(iii)</b> 106    |
| Gérard Desargues.....   | <b>21(i)</b> 7        |
| Gerald Dunn, Polymath and Sundial Maker.....  | <b>32(i)</b> 29-32    |
| Gillot and Fragonard: two eighteenth century French artists' conceptions<br>of ball sundials..... | <b>24(i)</b> 30-34    |
| The Glassmount Sundials (and a palimpsest gnomon).....  | <b>25(ii)</b> 35-36   |
| Glass Sundial Makers of 17 <sup>th</sup> Century London.....                                      | <b>18(i)</b> 40-47    |
| Glemham Hall Sundials.....  | <b>22(ii)</b> 10-12   |
| The Globe Dial of Prosymna.....   | <b>25(iii)</b> 6-12   |
| Gnomon Supporters.....  | <b>21(iv)</b> 40-42   |
| Gnomon Supporters.....  | <b>22(iii)</b> 26     |
| Gnomon Supporter.....   | <b>24(iii)</b> 15     |
| Gnomons of Portable Dials.....  | <b>31(iii)</b> 12-14  |
| The Gnosall Dial.....   | <b>15(iv)</b> 148-149 |
| Gouda Sundial [L].....  | <b>30(iv)</b> 27      |
| Grand Garden Dials in 1908.....   | <b>28(ii)</b> 29-33   |
| Grave Concerns About the Future of the Society's Reference Library [L].....                       | <b>25(i)</b> 44-45    |
| Gravestone Dial [L].....  | <b>19(iii)</b> 111    |
| The Gravestone of a Sundial Maker.....  | <b>21(ii)</b> 46      |
| Graveyard and other Memorial Sundials.....  | <b>21(i)</b> 43-48    |

|  |                              |
|--|------------------------------|
| The Great Amwell Scottish Renaissance Obelisk Dial Boss. | .23(ii) 52-56                |
| Part 1, Reading a Scottish renaissance sundial boss..... | .23(iii) 24-27               |
| Part 2, The Facet Record.....                            | .19(ii) 61                   |
| Greek dial in British Museum.....                        | .29(i) 41                    |
| Greetings Card – Our Lovely Summer.....                  | .23(iii) 1                   |
| A Grinling Gibbons Dial.....                             | .20(i) 48                    |
| Guidelines for Contributors.....                         | .14(iv) 173                  |
| Guidelines for Contributors.....                         | .16(iv) 175                  |
| Guidelines for Contributors.....                         | .31(iv) (Inside front cover) |

## H

|  |                  |
|--|------------------|
| Haddon Hall Horizontal Dial.....   | .24(iv) 5        |
| Haidinger's brush (1) [L].....   | .22(iv) 8        |
| Haidinger's brush (2) [L].....   | .22(iv) 8        |
| Half a Motto [L].....  | .19(iv) 175      |
| Hans Holbein's Design for a Clocksalt.....   | .21(iii) 45      |
| A Happy Ending: The Preston Gubbals Sundial.....   | .20(iii) 144-147 |
| Happy 25 <sup>th</sup> Birthday, NASS!   | .30(iv) 37       |
| Harlestone, Northants , 2 Vertical Dials.....  | .21(ii) 30       |
| Has anyone seen Haidinger's brushes? [L].....  | .22(iii) 35      |
| Helical Sundials.....  | .24(iv) 41       |
| A Helical Equinoctial Dial.....  | .31(iv) 24-25    |
| Helios.....  | .14(iv) 161-162  |
| Henry Gyles.....   | .20(iv) 197      |
| Henry Sephton (1686-1756) – Architect, Mason and Diallist.....   | .22(iii) 46-52   |
| Henry Wynne's Double Horizontal Dial at Staunton Harold.....   | .15(ii) 47-58    |
| Henry Wynne's Double Horizontal Dials – Update.....  | .18(i) 33-34     |
| H.M. The Queen, Shakespeare and Waugh<br>a Conspicuous Analemmatic Dial.....   | .16(i) 14-17     |
| Hever Castle Dial [L].....   | .24(iii) 6       |
| Hillwalking and Sundials.....  | .26(i) 44-46     |
| Historical Overview of the Listing/Recording<br>of English Scratch (Mass) Dials.....                                   | .20(i) 11-12     |
| A Historic Sundial in Old Hastings: A Recent Rediscovery.....  | .28(iv) 20-21    |
| The History and Symbolism of Ludwig Hohenfeld's<br>1596 Polyhedral Sundial (translated and adapted by Frans Maes)..... | .23(i) 27-31     |
| History on a Sundial.....  | .29(i) 29        |
| Hitchcock's anniversary (29 April), picture of sunshine image.....   | .20(iii) 114     |
| Holbein's Cylinder Dial.....   | .24(iii) 40      |
| The Hole Park Cary Dial.....   | .20(i) 30        |
| The Hole Park Dial, Unrestored.....  | .27(ii) 37       |
| The Holes and History of the Beccles Church Dial.....  | .17(iii) 119-120 |



|   |                              |
|---|------------------------------|
| Ian Wootton (Obituary).....   | <b>30(iii)</b> 27            |
| Ideas of an Amateur: Mounting a Style on a Wall.....                      | <b>14(iv)</b> 155-156        |
| Identity Theft.....   | <b>25(iii)</b> 27-28         |
| I Hate Drainpipes! .....  | <b>18(iii)</b> 115-117       |
| An Illustration of Serendipity: the Relocated Detroit Sundial.....        | <b>30(i)</b> 20-21           |
| Images of England [L].....  | <b>18(iv)</b> 165            |
| Improved Azimuth Dial.....  | <b>14(iii)</b> 131           |
| The ‘Ingenious Beilbys’ and a Dial Made in Bristol.....                   | <b>30(iii)</b> 34-36         |
| In Mrs Crowley’s Footsteps.....   | <b>20(ii)</b> 82             |
| In Pursuit of Shropshire Dials.....                                       | <b>14(iii)</b> 129-130       |
| Inspiration and Design of Portable Sundials.....                          | <b>26(ii)</b> 40-43          |
| In Spite of the Weather-Newbury 2004.....                                 | <b>16(iv)</b> 173-174        |
| Instr. for setting up a Horizontal Dial (by Benj.Martin, 1768).....       | <b>24(iii)</b> (Front cover) |
| An Instrument for Diallists?.....   | <b>31(iv)</b> 22-24          |
| An Interesting French Dial.....   | <b>28(iii)</b> 24-25         |
| An Interesting Scottish Slate Dial.....                                   | <b>25(i)</b> 39              |
| An Interesting Slate Sundial by Griffith Davies, FRS.....                 | <b>29(iii)</b> 28-32         |
| In the Footsteps of Thomas Ross,  |                              |
| Pt. 1. Scotland’s Oldest Sundials – the forerunners to lectern dials..... | <b>24(ii)</b> 31-33          |
| Pt. 2. The Sundials at Craigiehall.....                                   | <b>24(iii)</b> 16-18         |
| Pt. 3. The Sundials of James Gifford.....                                 | <b>24(iv)</b> 6-9            |
| Pt. 4. The Hidden Sundials of South Queensferry.....                      | <b>25(i)</b> 16-18           |
| Pt. 5. The Fettes College Sundial.....                                    | <b>25(ii)</b> 33-34          |
| Pt. 6. The Sundials of Robert Palmer, Schoolmaster.....                   | <b>25(iii)</b> 13-15         |
| Pt. 7. Scotland’s Grandest Sundials.....                                  | <b>25(iv)</b> 22-27          |
| Pt. 8. The Haddington Bowl.....   | <b>26(ii)</b> 32-33          |
| Pt. 9. The Mercat Crosses of Scotland and their Sundials.....             | <b>26(iv)</b> 12-18          |
| Pt.10. A Mixed Bag of Sundials in Edinburgh.....                          | <b>27(i)</b> 33-37           |
| Pt.11. The <i>Dyallis</i> of William Aytoun.....                          | <b>27(ii)</b> 8-14           |
| Pt.12. A Foray into England.....  | <b>27(iii)</b> 19-20         |
| Pt.13. The One That Got Away – Nearly.....                                | <b>27(iv)</b> 32-34          |
| Pt.14. Aberdour Castle.....   | <b>28(i)</b> 26-29           |
| Pt.15. Sundials on Scottish Churches.....                                 | <b>28(ii)</b> 20-25          |
| Pt.16. Easter Coates House.....   | <b>28(iii)</b> 17-20         |
| Pt.17. Some Sundials of East Fife.....                                    | <b>28(iv)</b> 22-27          |
| Pt.18. The Kelburn Castle Obelisks.....                                   | <b>29(i)</b> 12-15           |
| Pt.19. Some Sundials of East Lothian.....                                 | <b>29(ii)</b> 10-14          |
| Pt.20.The Other Dials of Lennoxlove.....                                  | <b>29(iii)</b> 19-21         |
| Pt.21.Pencaitland Parish Church (and Bowden Kirk).....                    | <b>29(iv)</b> 26-29          |
| Pt.22.An Aberdonian Triad.....  | <b>30(i)</b> 8-13            |
| Pt.23.West Fife Sundials.....   | <b>30(ii)</b> 6-9            |
| Pt.24.The Carberry House Sundials.....                                    | <b>30(iii)</b> 16-18         |
| Pt.25.The Newbattle Abbey Sundials and their Copycats.....                | <b>30(iv)</b> 33-37          |
| Pt.26.Sundials of Melrose and Nearby.....                                 | <b>31(i)</b> 8-11            |
| Pt.27.The Ladyland Sundials.....  | <b>31(ii)</b> 10-12          |
| Pt.28.The Lee Castle Sundial.....   | <b>31(iii)</b> 34-35         |
| Pt.29.Some Midlothian Sundials.....                                       | <b>31(iv)</b> 26-31          |
| Pt.30.Neidpath Castle.....  | <b>32(i)</b> 26-28           |

|   |                        |
|---|------------------------|
| Pt.31.The East Coast Obelisks.....                              | <b>32(ii)</b> 25-30    |
| Introducing a New Mass Dial.....                                | <b>30(i)</b> 14-15     |
| Investigation of a John Bird Sundial.....                       | <b>29(i)</b> 24-28     |
| An Irish Dial.....  | <b>18(i)</b> 23-25     |
| An Irredeemable Toy?.....                                       | <b>30(iv)</b> 7-8      |
| The Isaac Morris Moondial.....                                  | <b>14(iv)</b> 135-137  |
| An Isaac Newton Sundial.....                                    | <b>14(i)</b> 4-7       |
| Isle of Wight Sundial Mystery Solved.....                       | <b>19(iii)</b> 112-113 |
| Is that a dial? Barcheston, Warwickshire.....                   | <b>21(i)</b> 27        |
| Is this the World's Hardest-to-See Sundial?.....                | <b>27(iii)</b> 7       |
| An Italian Cruciform Dial.....                                  | <b>28(iv)</b> 2-5      |
| Italy 2004.....   | <b>17(i)</b> 23-28     |
| Italy Extra.....  | <b>17(i)</b> 44        |
| The Intriguing Case of the Braunschweig 1334 Sundial.....       | <b>17(iii)</b> 116-119 |
| Ivory Sundials of Nuremberg Incorporating a Scaphe Sundial..... | <b>24(ii)</b> 36-42    |

## J

|  |                        |
|--|------------------------|
| The Jamestown Commemorative Sundial.....   | <b>20(i)</b> 18-22     |
| Jane Austin and a "Small Astronomical Instrument".....   | <b>21(i)</b> 42        |
| The Japanese Sundial of Ancient Epidaurus.....   | <b>14(ii)</b> 67-69    |
| "JGP" [L].....   | <b>17(iii)</b> 105     |
| Jill Wilson - Obituary.....  | <b>31(i)</b> 17        |
| Joanna Migdal: Professional Artist, Professional Sundial Maker<br>- A visit report.....                | <b>20(iv)</b> 189-192  |
| Joanna Migdal: Master of the Worshipful Company of Clockmakers.....                                    | <b>32(i)</b> 40        |
| John Blagrave.....   | <b>20(iv)</b> 188      |
| John Carmichael – Sundial Maker in Arizona.....  | <b>26(ii)</b> 16-21    |
| John Constable's Rainbows over Salisbury Cathedral and Stonehenge.....                                 | <b>15(i)</b> 3-6       |
| John Harrison's Unusual and Unique Magnetic Compass.....   | <b>14(ii)</b> 81-82    |
| John Marke's Double Horizontal Dials.....  | <b>20(iii)</b> 117-118 |
| John Rowell: Plumber and Stained Glass Dial Maker.....   | <b>19(iv)</b> 179-183  |
| The John Rowley Dial.....  | <b>23(ii)</b> 26       |
| (See also associated item, <i>A Dial to Travel With</i> , by Jackie Jones) .....                       | <b>23(ii)</b> 26       |
| The John Rowley Moondial at Blenheim Palace.....   | <b>17(iii)</b> 107     |
| John Wright of London and Bristol:<br>The beginning of the scientific instrument trade in Bristol..... | <b>30(iii)</b> 28-32   |
| Joseph McNally's Slate Sundials.....   | <b>16(iii)</b> 110-116 |
| Joshua Springer of Bristol: An Eighteenth-Century Provincial Dialmaker.....                            | <b>28(iv)</b> 12-16    |
| Joshua Springer Dial Sold.....   | <b>30(i)</b> 13        |

### Journal Reviews

|   |                    |
|---|--------------------|
| <i>Compendium, Journal of NASS. Volume 8,</i><br><i>No. 1 (March 2001), No. 2 (June 2001),</i><br><i>No. 3 (Sept. 2001), No. 4 (Dec. 2001).....</i> | <b>14(i)</b> 15-16 |
|---|--------------------|

|  |                        |
|--|------------------------|
| <i>Compendium, Journal of NASS. Volume 9,</i>      |                        |
| <i>No. 1 (March 2002), No. 2 (June 2002),</i>      |                        |
| <i>No. 3 (Sept. 2002), No. 4 (Dec. 2002)</i>       |                        |
| <i>Compendium Volume 9 Special Supplement.....</i> | <b>15(iii) 119-122</b> |

Journal Reviews (Foreign)

|   |                       |
|---|-----------------------|
| FRANCE: <i>Cadran-Info No. 7, May 2003</i>              |                       |
| AUSTRIA: <i>GSA Rundschreiben No. 20, November 2000</i> |                       |
| <i>GSA Rundschreiben No. 25, May 2003.....</i>          | <b>15(iv) 160-161</b> |

|                          |                  |
|--------------------------|------------------|
| A Just Punishment? ..... | <b>17(ii) 65</b> |
|--------------------------|------------------|

## K

|   |                    |
|---|--------------------|
| Karen's Hand Sundial, A "Digital Universal Ring Dial" ..... | <b>14(i) 32-34</b> |
| Keep it Simple [L].....                                     | <b>21(i) 13</b>    |
| Kew Garden Cross Dial (1) [L].....                          | <b>18(i) 21</b>    |
| Kew Garden Cross Dial (2) [L].....                          | <b>18(i) 21-22</b> |
| Kew Garden Cross Dial (reply) [L].....                      | <b>18(i) 2</b>     |
| Kirktonhall and its Obelisk (or Pawn?).....                 | <b>27(iii) 33</b>  |
| The Kirktonhall Project [L].....                            | <b>27(iv) 13</b>   |
| Kitchener's Sundial in Palestine.....                       | <b>28(i) 13-16</b> |
| Kitchener's Sundial in Palestine – Further Information..... | <b>28(ii) 15</b>   |
| Kratzer's Lost Dial.....                                    | <b>22(iv) 11</b>   |

## L

|  |                        |
|--|------------------------|
| The Lament of the Layman or, A Song Against the Equation of Time (Poem).....   | <b>14(iii) 128</b>     |
| Lambert Circles and Seasonal Markers [L].....  | <b>19(iv) 173</b>      |
| Lambert Circles and Seasonal Markers [L].....  | <b>19(iv) 173</b>      |
| Lambert Circles and Seasonal Markers [L].....  | <b>19(iv) 173-174</b>  |
| Lambert Circles and Seasonal Markers (reply) [L].....  | <b>19(iv) 174</b>      |
| 'Langlois Slot' Time Frog and Time Toad.....   | <b>27(iv) 27</b>       |
| A Large Horizontal Dial in Stainless Steel for Melton Mowbray.....   | <b>15(iii) 124-128</b> |
| The Late Mrs Alfred Gatty – Transcription of Mrs Gatty's Obituary as<br>Published in the Illustrated London News, 18 October 1873..... | <b>16(i) 25</b>        |
| Latitude Determination using an Equatorial Ring Dial.....  | <b>24(ii) 42-43</b>    |
| A Lead Domestic Windowsill Dial.....   | <b>21(ii) 34-40</b>    |
| A Leaded-in Gnomon [L].....  | <b>15(i) 17</b>        |
| Leap Seconds.....  | <b>24(iii) 15</b>      |
| LEGO Equatorial Dial.....  | <b>24(ii) 21</b>       |
| (Another) Lego Sundial.....  | <b>24(ii) 43</b>       |
| The Lesser-known Dials at Barrington Court.....  | <b>25(i) 15</b>        |

|  |                             |
|--|-----------------------------|
| Lettering on Sundials.....   | <b>26(ii)</b> 35-39         |
| Letters on Mass Dials [L].....   | <b>26(iv)</b> 11            |
| Lewis Carroll's Sundial.....   | <b>26(ii)</b> 21            |
| The Life Cycle of English Mass (Scratch) Dials.....                      | <b>20(iv)</b> 164-165       |
| Lime Mortar (L).....   | <b>14(i)</b> 16             |
| Lines of Coincidence [L].....  | <b>14(iv)</b> 138-139       |
| "Lines of Coincidence:" A Comment [L].....                               | <b>15(i)</b> 16             |
| "Lines of Coincidence:" A Further Comment [L].....                       | <b>15(iv)</b> 162-163       |
| Lines of Declination and Two Seventeenth Century Dials.....              | <b>19(iii)</b> 128-134      |
| "Listing" and Protection.....  | <b>17(ii)</b> 63            |
| The Littlecote Dial.....   | <b>26(iv)</b> 24-25         |
| A Little-Known Cambridge Sundial...and the Story of its Restoration..... | <b>27(iii)</b> 34-39        |
| Liverpool Road Railway Station, Manchester.....                          | <b>20(iii)</b> 121-122      |
| Liverpool Road Station Sundial, Manchester – a second view.....          | <b>20(iv)</b> 176-177       |
| Livery Schools Link Showcase Event 2018.....                             | <b>30(ii)</b> 20-21         |
| A Local Garden Centre Sundial.....                                       | <b>28(i)</b> 29             |
| A Local Peculiarity.....   | <b>22(iii)</b> 27-28        |
| Location of the Hastings Sundial – Discovered [L].....                   | <b>29(ii)</b> 9             |
| The Logarithmic Spiral as the Basis of a Polar South Sundial.....        | <b>20(iv)</b> 184-188       |
| A Long Absence – The Return of St Michael-on-Wyre's Churchyard Dial..... | <b>30(iv)</b> 2-6           |
| A Long Way from Home: A Dial for Glamis Castle now in New Zealand.....   | <b>32(i)</b> 14-20          |
| Lord Reay's Sundial – Tongue.....  | <b>27(iv)</b> (Front cover) |
| Lost and Found. The long journey of an unusual sundial.....              | <b>24(iv)</b> 2-5           |
| The "Lost" Barrington Stained Glass Dial Rediscovered .....              | <b>21(ii)</b> 12            |
| Lost Bonar Dial Resurfaces (Briefly!).....                               | <b>24(iii)</b> 22           |
| The 'Lost' Sundial of Ham House.....                                     | <b>28(iv)</b> 34-37         |
| A Low Latitude Dial.....   | <b>32(ii)</b> 9             |
| Lunchtime at Newbury.....  | <b>31(iv)</b> 16            |
| Lutyens' Vertical Dials.....   | <b>20(ii)</b> 88-91         |
| The Lyme Hall Horizontal Equinoctial Sundial.....                        | <b>17(iv)</b> 160-167       |

## M

|  |                        |
|--|------------------------|
| Magnetic Azimuth Dials.....  | <b>16(ii)</b> 47-49    |
| The Magnetic Azimuth Dial.....   | <b>27(iii)</b> 8-12    |
| Major Lunar Standstill.....  | <b>17(iii)</b> 106-107 |
| Making Brass Discs the Easy Way.....                                       | <b>19(ii)</b> 64-65    |
| The Making of the Towneley Hall Sundial.....                               | <b>14(i)</b> 20-24     |
| The Making of the Slate Double Horizontal Sundial Known as M-29.....       | <b>30(iv)</b> 14-17    |
| Making Porcelain Sundials.....   | <b>20(ii)</b> 68-72    |
| Making Portable Dials in Silver.....                                       | <b>19(iv)</b> 176-178  |
| Making Replacement Springs for a Pilkington & Gibbs Helio-Chronometer..... | <b>18(iv)</b> 177-179  |
| Malvern Churchyard Pillar Dial.....  | <b>20(ii)</b> 87       |
| The Malvern Pillar Dial.....   | <b>20(iv)</b> 163      |
| Manchester Railway Dial.....   | <b>26(iii)</b> 39      |
| Mapping Greco-Roman Sundials using GIS.....                                | <b>24(iv)</b> 23-26    |



|   |  |
|---|--|
| Minutes of the Special General Meeting of the British Sundial Society.....  | <b>14(iii)</b> 101   |
| Minutes of the 14 <sup>th</sup> Annual General Meeting of the BSS.....  | <b>15(ii)</b> 78-82  |
| Minutes of the 15 <sup>th</sup> Annual General Meeting of the BSS.....  | <b>16(ii)</b> 73-76  |
| Minutes of the 16 <sup>th</sup> Annual General Meeting of the BSS.....  | <b>17(ii)</b> 86-88  |
| Minutes of the 17 <sup>th</sup> Annual General Meeting of the BSS.....  | <b>18(ii)</b> 57-59  |
| Minutes of the 18 <sup>th</sup> Annual General Meeting of the BSS.....  | <b>19(ii)</b> 59-61  |
| Minutes of the 19 <sup>th</sup> Annual General Meeting of the BSS.....  | <b>20(ii)</b> 72-74  |
| Minutes of the 20 <sup>th</sup> Annual General Meeting of the BSS.....  | <b>21(iii)</b> 40-42   |
| Minutes of the 21 <sup>st</sup> Annual General Meeting of the BSS.....  | <b>22(ii)</b> 25, 28-31  |
| Minutes of the 22 <sup>nd</sup> Annual General Meeting of the BSS.....  | <b>23(ii)</b> 27, 30-32  |
| Minutes of the 23 <sup>rd</sup> Annual General Meeting of the BSS.....  | <b>24(ii)</b> 25-30  |
| Minutes of the 24 <sup>th</sup> Annual General Meeting of the BSS.....  | <b>25(ii)</b> 28-32  |
| Minutes of the 25 <sup>th</sup> Annual General Meeting of the BSS.....  | Included as a separate paper insert within Bulletin <b>26 (ii)</b> |
| Minutes of the 26 <sup>th</sup> Annual General Meeting of the BSS.....  | <b>27(ii)</b> 45   |
| Minutes of the 27 <sup>th</sup> Annual General Meeting of the BSS.....  | <b>28(ii)</b> 48   |
| Minutes of the 28 <sup>th</sup> Annual General Meeting of the BSS, Oxford, 22 April 2017.....                             | <b>29(ii)</b> 48   |
| Minutes of the 29 <sup>th</sup> Annual General Meeting of the BSS, Norwich, 21 April 2018.....                            | <b>30(ii)</b> 48   |
| Minutes of the 30 <sup>th</sup> Annual General Meeting of the BSS, Bath, 27 April 2019.....                               | <b>31(ii)</b> 29   |
| <br>Misnomers and Trading Standards [L].....  | <b>17(ii)</b> 63   |
| A Missed Opportunity.....   | <b>29(iii)</b> 23  |
| A Missing Stained Glass Sundial Located.....  | <b>25(iv)</b> 27   |
| Mnajdra Solar Temple Malta.....   | <b>31(iii)</b> 10-11   |
| Modern Mass Dials and an Experiment with Time.....  | <b>21(iii)</b> 9   |
| Modern Observations using the 1702 Meridian Line of the Basilica<br>of Santa Maria degli Angeli e dei Martiri (Rome)..... | <b>29(iii)</b> 2-12  |
| A Moon Dial.....  | <b>18(i)</b> 14-15   |
| A Moondial for the Northern Hemisphere.....   | <b>21(i)</b> 10-13   |
| Moondials and the Moon.....   | <b>17(i)</b> 3-12  |
| "The Moon Has Set And The Pleiades" – Sappho;<br>Time measurement in cultural history.....                                | <b>18(i)</b> 6-14  |
| More Dials From Edwin Russell's Workshop.....   | <b>25(iv)</b> 44   |
| More Newly-Reported Dials.....  | <b>25(iv)</b> 18-20  |
| More on Dial Transmission [L].....  | <b>23(iv)</b> 48   |
| More on the Equation of Time on Sundials.....   | <b>17(ii)</b> 66-75  |
| More on the Shortest Day [L].....   | <b>31(iii)</b> 33  |
| More on the Standard Time of Sunrise and Sunset.....  | <b>31(iv)</b> 38-39  |
| More Pub Dials [L].....   | <b>15(iv)</b> 164  |
| More Pub Dials [L].....   | <b>15(iv)</b> 164  |
| More Railway Sundials.....  | <b>14(i)</b> 42  |
| More Sundials on the Centrovalli Line.....  | <b>15(i)</b> 17-19   |
| Morvah Church Dial: a closer look.....  | <b>15(iii)</b> 104-108   |
| Mosque of the Sun II: Crown of Doha.....  | <b>24(iii)</b> 41-43   |
| Mosque of Uqba.....   | <b>24(iv)</b> 41   |
| Most Enjoyed Article Award, 2012.....   | <b>25(iii)</b> 5   |
| Most Enjoyed Article 2014.....  | <b>27(iv)</b> 23   |
| Mount Melville Multiple Dial [L].....   | <b>23(ii)</b> 25   |
| The Moving Sundial of Ardrossan.....  | <b>27(i)</b> 18-24   |
| Mrs Alfred Gatty, Author of the Book on Sundials.....   | <b>16(i)</b> 21-24   |

|   |                        |
|---|------------------------|
| The (Late) Mrs Alfred Gatty – Transcription of Mrs Gatty’s Obituary as Published in the Illustrated London News, 18 October 1873..... | <b>16(i)</b> 25        |
| Mrs Gatty Online.....   | <b>22(i)</b> 17        |
| A Multiple Dial as a Monument to the Fishermen of   |                        |
| Cala Figuera, Santanyi (Majorca).....   | <b>19(iv)</b> 184-186  |
| Multiple dial at Oldhamstocks, Berwickshire, Scottish Borders.....  | <b>22(i)</b> 43        |
| Multiple dial at Santiago de Cuba, Cuba.....  | <b>21(iii)</b> 33      |
| Multiple dial at Upton House, Peterborough.....   | <b>18(iv)</b> 161      |
| Multiple scaphe dial at Badminton House.....  | <b>18(iv)</b> 158      |
| Multiple scaphe dials at Bleadon Church, Somerset.....  | <b>22(i)</b> 33        |
| Multiple scaphe dial in Dover Museum.....   | <b>18(iv)</b> 154      |
| Multiple scaphe dial at Madeley Court, Shropshire.....  | <b>19(i)</b> 48        |
| Multiple dial (similar to Richard Melville slate type) at Cookham, Berks.....   | <b>25(i)</b> 47        |
| My, My, My, the Dialler – a bit about Tom Jones.....  | <b>18(iii)</b> 112-114 |
| Mysteries of the Astrolabe. An exposition by rule and compass.....  | <b>25(iii)</b> 32-36   |
| A Mystery Dial.....   | <b>20(i)</b> 47        |
| Mystery Dial – a sad story [L].....   | <b>20(ii)</b> 62-63    |
| Mystery Dials.....  | <b>22(i)</b> 47        |
| Mystery Inscription.....  | <b>21(iii)</b> 25      |
| The Mystery of the Lumbutts Sundial.....  | <b>30(iii)</b> 24-26   |
| A Mystery Sundial by Girard et Barrère of Paris.....  | <b>27(i)</b> 6-10      |
| A Mystery Welsh Horizontal Dial.....  | <b>28(ii)</b> 2-6      |

N

|  |                 |       |
|--|-----------------|-------|
| Nailsea Replacement Sundial.....   | <b>19(ii)</b>   | 75-77 |
| NASS Tenth Anniversary Celebration.....                                  | <b>15(iii)</b>  | 1A    |
| Nature Club of Pakistan.....   | <b>23(iii)</b>  | 27    |
| The Nature in Art Museum Sundial, Gloucester.....                        | <b>27(iii)</b>  | 30-33 |
| The Navicula: Made in East Anglia? .....                                 | <b>29(ii)</b>   | 15-23 |
| A New Analemmatic Dial in Brighton.....                                  | <b>26(i)</b>    | 17    |
| New Babylonian and Italian Hours Sundial for Selwyn College, Cambridge.  |                 |       |
| Part 1. Design & Construction.....                                       | <b>22 (iii)</b> | 2-8   |
| Part 2. Numerical Insights.....  | <b>22(iv)</b>   | 9-11  |
| New Book – <i>Biographical Index of British Sundial Makers</i>           |                 |       |
| from the Seventeenth Century to 1920 by Jill Wilson (Third Edition)..... | <b>32(i)</b>    | 40    |
| New Book – Recherches Sur Les Cadrans Solaires, by Denis Savoie.....     | <b>27(i)</b>    | 17    |
| New Book – Roman Portable Sundials: The Empire in your Hand,             |                 |       |
| by Richard J. A. Talbert.....  | <b>29(iii)</b>  | 47    |
| New Book – Time of Our Lives: Sundials of the Adler Planetarium,         |                 |       |
| by Sara J. Schechner.....  | <b>32(ii)</b>   | 43    |
| New Book – Mathematical Instruments in the Collections                   |                 |       |
| of the Bibliothèque Nationale de France,                                 |                 |       |
| by Anthony Turner with Silke Ackermann and Tara Yasin Arslan.....        | <b>32(ii)</b>   | 43    |
| New Book – Zegary Sloneczne Salomona Krignera, by Maciej Lose.....       | <b>26(i)</b>    | 21    |

|  |                       |
|--|-----------------------|
| Newbury 2002-A Place in the Sun.....                   | <b>14(iv)</b> 157-161 |
| Newbury 2003-Sing a Song of Sundial.....               | <b>15(iv)</b> 149-152 |
| Newbury 2013 - One-Day Meeting.....                    | <b>25(iv)</b> 42-44   |
| Newbury 2014 - One-Day Meeting, 24 September 2014..... | <b>26(iv)</b> 27-28   |
| Newbury 2015 - One-Day Meeting, 26 September 2015..... | <b>27(iv)</b> 37-40   |
| Newbury 2016 – One-day Meeting, 24 September 2016..... | <b>28(iv)</b> 29-33   |
| Newbury 2017 – One-day Meeting, 23 September 2017..... | <b>29(iv)</b> 21-25   |
| Newbury 2018 – One-day Meeting, 22 September 2018..... | <b>30(iv)</b> 44-47   |
| Newbury 2019 – One-day Meeting, 21 September 2019..... | <b>31(iv)</b> 39-44   |
| Newbury 2019 – The Speakers.....                       | <b>31(iv)</b> 11      |

## New Dials

|  |                         |
|--|-------------------------|
| New Oxford Dial Opened; Hertford College.....                                  | <b>18(iii)</b> 127      |
| Leicester University; Westminster School;                                      |                         |
| Okatjorute Farm, Namibia; Macclesfield – a (very) late Saxon sundial;          |                         |
| Pollagh, Co Galway, Eire.....  | <b>19(iv)</b> 161-163   |
| A Nodal dial in Co Louth; Stouffville, Ontario;                                |                         |
| Barrow-upon-Soar, Leicestershire.....  | <b>20(i)</b> 28-30      |
| Burghley House, Stamford, Lincolnshire; A St Petersburg Dial.....              | <b>20(ii)</b> 60-61     |
| A Painted Sundial in Brighton; Australian Analemmatic Dial.....                | <b>20(iii)</b> 129, 143 |
| A Multiple Dial in Shevelkovo Village.....                                     | <b>20(iv)</b> 159       |
| Grouville Church, Jersey, Channel Islands; St Austell, Cornwall;               |                         |
| Another St Petersburg Dial.....  | <b>21(i)</b> 8-9        |
| The Corner House, Wanstead High Street; New Moondial.....                      | <b>21(ii)</b> 44-45     |
| Vertical Dial Midlands.....  | <b>21(iii)</b> 20       |
| St Petersburg; Roodepoort, Gauteng, South Africa.....                          | <b>21(iv)</b> 14        |
| A solar acorn in Solar, Russia; Oxford Dial Inspired by Christopher Wren;      |                         |
| A Commercial Dial from Australia.....  | <b>22(i)</b> 10-11      |
| Newton Abbot, Devon.....   | <b>22(ii)</b> 51        |
| Derbyshire Dial; Flowton, Suffolk.....   | <b>22(iii)</b> 8        |
| Chelyabinsk, Russia (1).....   | <b>22(iv)</b> 41        |
| Dracula Dial (1).....  | <b>22(iv)</b> 41        |
| Highlands School, North Vancouver, Canada (2).....                             | <b>22(iv)</b> 44        |
| Sokolniky, Moskow.....   | <b>23(iii)</b> 35       |
| Ferrycarrig, C. Wexford, Ireland.....  | <b>23(iv)</b> 23        |
| Balliol College, Oxford.....   | <b>24(i)</b> 7          |
| Ballygriffin, Co. Cork, Ireland.....   | <b>24(ii)</b> 52        |
| Olympic Sundial, Olympic Stadium, London.....                                  | <b>24(iii)</b> 26-27    |
| Sherbourne Girls School, Dorset.....   | <b>24(iii)</b> 27       |
| Talaton, Devon – The Angel of the South West.....                              | <b>24(iii)</b> 28       |
| Pocklington, Yorkshire.....  | <b>24(iv)</b> 15        |
| The Wirral, Merseyside.....  | <b>24(iv)</b> 15        |
| Barrington Court, Ilminster, Somerset.....                                     | <b>25(iii)</b> 48       |
| A New Dial for a New House.....  | <b>26(i)</b> 21         |
| Newry Analemmatic.....   | <b>26(iii)</b> 9        |
| Gateway Sundial (in Gloucestershire).....                                      | <b>26(iii)</b> 28       |
| Bath Armillary.....  | <b>26(iii)</b> 48       |
| The Neuadd Dial 2014.....  | <b>27(i)</b> 5          |
| A Horizontal Stereographic Projection Dial for South Africa (New Dials 1)..... | <b>27(ii)</b> 6         |
| Armillary Dial in Eire (New Dials 2).....                                      | <b>27(ii)</b> 30        |

|   |   |
|---|---|
| Doha, Quatar, Analemmatic Dial (New Dials 1).....   | <b>28(i)</b> 20   |
| Armillary Sphere in South Wales (New Dials 2).....  | <b>28(i)</b> 32   |
| A Direct East Moon Dial.....  | <b>28(ii)</b> 13  |
| New Dial for Historic Garden in Switzerland (New Dials 1).....                              | <b>28(iii)</b> 11   |
| A New Islamic-Inspired Sundial (New Dials 2).....   | <b>28(iii)</b> 21   |
| Lynton, Devon.....  | <b>29(i)</b> 28   |
| An 80 <sup>th</sup> Birthday Sundial.....   | <b>29(iii)</b> 16   |
| Polar Sundial in Darwin.....  | <b>29(iii)</b> 22   |
| Sundial on Mullaghmore Memorial, Mullaghmore, County Sligo.....                             | <b>29(iii)</b> 46-47  |
| New Glossary Terms? [L].....  | <b>20(i)</b> 13   |
| New Life for an Old Calendar.....   | <b>30(i)</b> 15   |
| Newly Discovered Saxon Dials and their prospects for the future.....                        | <b>17(i)</b> 42-44  |
| Newly Reported Dials, 2014.....   | <b>27(ii)</b> 38-40   |
| Newly Reported Dials, 2015.....   | <b>28(ii)</b> 34-38   |
| Newly Reported Dials, 2016.....   | <b>29(ii)</b> 24-27   |
| Newly Reported Dials, 2017.....   | <b>30(ii)</b> 13-17   |
| Newly Reported Dials, 2018.....   | <b>31(ii)</b> 30-34   |
| Newly Reported Dials, 2019.....   | <b>32(ii)</b> 18-24   |
| A New “Rotary” Dial for Ipswich (from East Anglian reporter).....                           | <b>18(i)</b> 48   |
| New Russian Dials .....   | <b>25(iii)</b> 36-37  |
| A New Shopping Centre Dial.....   | <b>18(i)</b> 32, 25   |
| The Newstead Sundials.....  | <b>23(iv)</b> 38-40   |
| New Sundial at the Old School, Wiggenhall St Mary Magdalen, Norfolk.....                    | <b>32(i)</b> 36-37  |
| New Sundial at The Scots Hotel in Tiberias, Israel.....                                     | <b>17(ii)</b> 60-61   |
| A New Sundial for a New School.....   | <b>31(i)</b> 32-34  |
| A New Sundial for an Old School.....  | <b>28(iii)</b> 12-13  |
| A New Sundial for Central London.....   | <b>32(i)</b> 23-25  |
| A New Sundial for St George’s Chapel, Windsor Castle.....                                   | <b>25(ii)</b> 14-17   |
| A New Sundial Society? .....  | <b>19(iv)</b> 190   |
| New Sundial Unveiled.....   | <b>30(i)</b> 21   |
| New Zealand: Four Dials and a Diallist.....   | <b>14(iii)</b> 91-93  |
| The Niddrie Marischal Sundial [L].....  | <b>27(iv)</b> 13  |
| Nine Newly Reported Dials.....  | <b>24(iv)</b> 26-27   |
| The Noel Ta’Bois Fixed Dial Archive.....  | <b>22(i)</b> 42-43  |
| Noon Cannons: A Sundial Conceit.....  | <b>19(iii)</b> 105-106  |
| Noon Cannon, being fired in Paris (picture from Chris Daniel).....                          | <b>19(iii)</b> 127  |
| Noon Cannon sketch.....   | <b>19(iii)</b> 140  |
| Noon Cannons [L].....   | <b>19(iv)</b> 174-175   |
| Noon Overlaps and Underslung Gnomons.....   | <b>25(iii)</b> 12   |
| The North American Sundial Conference, St Louis, August 2017.....                           | <b>30(ii)</b> 34-37   |
| North-facing Mass Dials.....  | <b>24(iv)</b> 22  |
| North-facing Mass Dials [L].....  | <b>25(i)</b> 45   |
| A North-facing Polarization Sundial of Varying Hue.....                                     | <b>21(i)</b> 2-7  |
| A Note on the Conservation of the Anglo-Saxon Dial at Dalton-le-Dale,<br>County Durham..... | <b>14(ii)</b> 80-81   |
| A Note on the Conservation of an Eighteenth- century Church Dial.....                       | <b>25(iv)</b> 12-14   |
| Notes on the 2017 American Eclipse.....   | <b>29(iv)</b> 18-20   |
| Notes from the Editor.....  | <b>14(ii)</b> 61; <b>14(iii)</b> 125; <b>14(iv)</b> 143;<br><b>15(i)</b> 28; <b>15(iii)</b> 104; <b>15(iv)</b> 176; |

**6(i)** 31-32; **16(iii)** 95;

|  |                     |
|--|---------------------|
| Novel Meridian Finder [L].....         | <b>22(iii)</b> 35   |
| A Novel Reflecting Dial in Sweden..... | <b>21(ii)</b> 47-48 |
| Nunraw House Polyhedral Sundial.....   | <b>26(i)</b> 16     |

# O

## An Obelisk-Shaped Sundial with Wind Indicator

|   |                       |
|---|-----------------------|
| in the Mainfränkisches Museum, Würzberg, Germany.....                     | <b>22(ii)</b> 46-51   |
| Obituary: A.F. (Tony) Baigent.....  | <b>15(iv)</b> 152     |
| Obituary: Alan Cook.....  | <b>27(iii)</b> 16     |
| Obituary: Allan Mills.....  | <b>29(ii)</b> 38      |
| Obituary: Andrew James, FRSA HonMBHI (5 June 1954 - 24 October 2019)..... | <b>31(iv)</b> 31      |
| Obituary: Anne Somerville (1922-2004).....                                | <b>16(iii)</b> 100    |
| Obituary: Anton Schmitz.....  | <b>31(ii)</b> 27      |
| Obituary: Edward Martin.....  | <b>19(iii)</b> 104    |
| Obituary: Frank Evans BSc PhD.....  | <b>29(iv)</b> 39      |
| Obituary: Mr.G.F.Hesketh.....   | <b>15(i)</b> 19       |
| Obituary: Ian Wootton.....  | <b>30(iii)</b> 27     |
| Obituary: Jill Wilson.....  | <b>31(i)</b> 17       |
| Obituary: Margaret Wilson Stanier (1919-2007).....                        | <b>19(iv)</b> 191     |
| Obituary: Margaret Ribchester.....  | <b>28(iii)</b> 10     |
| Obituary: Mike Groom .....  | <b>27(ii)</b> 20      |
| Obituary: Peter Drinkwater.....   | <b>25(iv)</b> 15      |
| Obituary: Peter Hingley (1951-2012).....                                  | <b>24(iii)</b> 34     |
| Obituary: Peter-Jochen Kunath.....  | <b>29(iii)</b> 21     |
| Obituary: Phil Rogers.....  | <b>25(i)</b> 14       |
| Obituary: René Rohr.....  | <b>14(i)</b> 3        |
| Obituary: The Rt. Hon. The Earl of Perth P.C. (1907-2002).....            | <b>15(i)</b> 43-44    |
| Obituary: Michael Maltin: Spitfire Pilot and Gentleman.....               | <b>27(i)</b> 13       |
| An Oculus Dial for Northern Latitudes:                                    |                       |
| Simple Interactive Bowl and Strap Dials in Pottery.....                   | <b>30(iv)</b> 30-32   |
| The Old Meeting House, Norwich.....                                       | <b>24(iii)</b> 32     |
| Old Sundial Books: A Survey by Mike Cowham and Fred Sawyer.....           | <b>29(iii)</b> 48     |
| The Only “Mass Dial” in Greece.....                                       | <b>22(i)</b> 34-37    |
| On the Origins and Meaning of a Sundial Centre Panel.....                 | <b>30(iii)</b> 2-5    |
| On the Reliability of Clocks.....   | <b>14(iv)</b> 144-145 |
| On the Steps of the Pump Room, Bath (BSS Conference, 28 April 2019).....  | <b>31(ii)</b> 34      |
| Organisational Changes [L].....   | <b>23(iv)</b> 48      |
| Organisational Changes (Frank King responds) [L].....                     | <b>23(iv)</b> 48      |
| Orientation of St Mary’s Church, Stoke D’Abernon,Surrey.....              | <b>19(i)</b> 46-48    |
| Origami Sundials.....   | <b>18(i)</b> 18-20    |
| The Origin of Sine, Cosine and Tangent.....                               | <b>15(iii)</b> 96-99  |
| <i>Orologi Solari Scores 10</i> [L].....                                  | <b>28(iii)</b> 21     |

Over Three Hundred Years in the Sun:

|   |              |
|---|--------------|
| Thoughts of an Old Double Horizontal Dial.....                    | 20(iii) 116  |
| Oxford 2004: 15 <sup>th</sup> Anniversary Sundial Conference..... | 16(ii) 80-83 |
| An Oxford Sundial Mystery.....                                    | 26(iii) 2-9  |

P

|   |                  |
|---|------------------|
| Painswick Pharmacy – the first BSS Grant-Aided Restoration..... | 19(ii) 83, 96    |
| A Painted Polyhedral Dial.....                                  | 23(iv) 41        |
| Painting with Light – A sculptor's take on sundialling.....     | 26(ii) 22-27     |
| A Pair of Dials in Vedôme, France.....                          | 16(ii) 63        |
| A Palimpsest Gnomon.....  | 25(i) 28-29      |
| The Pantheon as a Timekeeper.....                               | 21(iv) 2-5       |
| Pat Briggs' Meccano Models.....                                 | 20(i) 43-45      |
| A Pebble Dial by Greg McDonough.....                            | 29(iv) 37-38     |
| The 'Pelican Dial' Picture at Bromley House.....                | 27(iii) 48       |
| Penshurst dial stolen, a twin found.....                        | 18(iii) 137      |
| The Perception of Time in Anglo-Saxon England.....              | 22(iv) 33-37     |
| Peterborough: Equinox Business Park.....                        | 15(iii) 131      |
| Peter Drinkwater - Obituary.....                                | 25(iv) 15        |
| Peter Ransom MBE.....   | 32(i) 11         |
| Phil Rogers - Obituary.....                                     | 25(i) 14         |
| A Photographer's Sundial.....                                   | 21(iv) 26-27, 39 |
| Photographer's Dial – Part 2.....                               | 22(i) 48         |
| Pierced Gnomons.....  | 25(iv) 51        |
| Pillar Dial with Meridian Line calibrated in Italian Hours..... | 17(i) 35         |
| Planetary Hours.....  | 25(iii) 40-48    |
| Erratum.....  | 25(iv) 1         |
| The Planispheric Nocturnal.....                                 | 24(iii) 20-21    |
| Planispheric Nocturnal [L].....                                 | 24(iv) 11        |
| Pliny the Elder and Gnomonics.....                              | 25(ii) 7, 27     |
| Poetic Interlude.....   | 18(iv) 176       |
| Poet Identified [L].....  | 21(ii) 8         |
| Polar Dials at any Declination.....                             | 20(iv) 170-171   |
| A Polyhedral Dial (after Gatty).....                            | 23(i) 5          |
| Polyhedral Ramblings.....                                       | 23(i) 46-48      |
| A Polyhedral Sun-Dial at Rivington, Lancashire.....             | 17(iv) 134-141   |
| The Poor Man's Dyal.....  | 15(ii) 85-87     |
| A Pop-up Sundial for Wroxton.....                               | 29(iii) 26-27    |
| Porcelain Dial [L].....   | 20(iii) 141      |
| A Portable Dial in a Calendar Box.....                          | 29(iii) 33-35    |
| Portable Sundials at the Galerie Delalande.....                 | 25(iv) 52-56     |
| A Portable Horologium.....                                      | 24(i) 18-22      |
| The Portable Sundials of the Mary Rose.....                     | 17(ii) 52-57     |
| The Portable Vertical Dial.....                                 | 28(iv) 42-44     |
| Port Jackson and Richard Melville's Dial [L].....               | 29(iii) 32       |

|   |             |
|---|-------------|
| Postcard Potpourri 1 - Coldwell Clough, Kinder.....   | 18(iii) 114 |
| Postcard Potpourri 2 - Marrington Hall.....   | 18(iv) 171  |
| Postcard Potpourri 3 - Wilton Bridge, Ross on Wye.....  | 19(i) 39    |
| Postcard Potpourri 4 - Haulfre Gardens, Liandudno.....  | 19(ii) 81   |
| Postcard Potpourri 5 - Thorpe Salvin Church.....  | 19(iii) 144 |
| Postcard Potpourri 6 - People's Park, Halifax.....  | 19(iv) 178  |
| Postcard Potpourri 7 - Polam Hall, Darlington.....  | 20(i) 42    |
| Postcard Potpourri 8 - Petts Wood, Chislehurst.....   | 20(ii) 61   |
| Postcard Potpourri 10 - Wimborne Minster, Dorset.....   | 20(iv) 162  |
| Postcard Potpourri 11 - All Saints' Church, Hillesden, Bucks.....                                 | 21(i) 36    |
| Postcard Potpourri 12 - Rock Island Arsenal, Illinois, USA.....                                   | 21(ii) 40   |
| Postcard Potpourri 13 - Rémalard, France.....   | 21(iii) 15  |
| Postcard Potpourri 14 - The Butter Cross, Witney, Oxfordshire.....                                | 21(iv) 9    |
| Postcard Potpourri 15 - Marsh Court, Stockbridge, Hampshire.....                                  | 22(i) 13    |
| Postcard Potpourri 16 - Lake Annecy, France.....  | 22(ii) 13   |
| Postcard Potpourri 17 - Stainboro Castle, Barnsley, Yorkshire.....                                | 22(iii) 31  |
| Postcard Potpourri 18 - Lochgoilhead, Argyll.....   | 22(iv) 25   |
| Postcard Potpourri 19 - Corhampton, Hampshire.....  | 23(i) 31    |
| Postcard Potpourri 20 - English Harbour, Antigua.....   | 23(iii) 15  |
| Postcard Potpourri 21 - Lewes, East Sussex.....   | 24(i) 27    |
| Postcard Potpourri 22 - Enniskerry, Co. Wicklow.....  | 24(ii) 30   |
| Postcard Potpourri 23 - Churchill, Somerset.....  | 24(iii) 15  |
| Postcard Potpourri 24 - St Peter's, Bexhill, East Sussex.....                                     | 24(iv) 17   |
| Postcard Potpourri 25 - Floral Dials.....   | 25(i) 18    |
| Postcard Potpourri 26 - Château des Rochers-Sévigné, Vitré, France.....                           | 25(ii) 10   |
| Postcard Potpourri 27 - St Mary and All Saints Church, Conway.....                                | 25(iii) 28  |
| Postcard Potpourri 28 - St Deiniol's Churchyard, Harwarden, Clwyd.....                            | 25(iv) 20   |
| Postcard Potpourri 29 - Fairbanks House, Dedham, Mass., USA.....                                  | 26(i) 25    |
| Postcard Potpourri 30 - Sterling Forest Gardens, Tuxedo, NY State, USA.....                       | 26(ii) 39   |
| Postcard Potpourri 31 - Marsden Park, Nelson.....   | 26(iii) 17  |
| Postcard Potpourri 32 - Pilling, Lancashire.....  | 27(iii) 41  |
| Postcard Potpourri 33 – Old Market Cross, Mansfield, Nottinghamshire.....                         | 27(iv) 9    |
| Postcard Potpourri 34 – Deene Park, Corby, Northamptonshire.....                                  | 28(i) 25    |
| Postcard Potpourri 35 – The High Hall, Steeton, Keighley, West Yorkshire.....                     | 28(ii) 6    |
| Postcard Potpourri 36 – The Atlas Sundial, Old Mill House,<br>Wannock, Polegate, East Sussex..... | 28(iii) 11  |
| Postcard Potpourri 37 – Town Square, Brechin.....   | 28(iv) 8    |
| Postcard Potpourri 38 – A Comic Postcard.....   | 29(i) 36    |
| Postcard Potpourri 39 – Siófok, Hungary.....  | 29(ii) 37   |
| Postcard Potpourri 40 – Glamis Castle.....  | 29(iii) 25  |
| Postcard Potpourri 41 – Amen Court.....   | 29(iv) 29   |
| Postcard Potpourri 42 – Amiens.....   | 30(i) 25    |
| Postcard Potpourri 43 – Basilica de Guadalupe, Mexico City.....                                   | 30(ii) 12   |
| Postcard Potpourri 44 – Fritwell Manor.....   | 30(iii) 36  |
| Postcard Potpourri 45 – Port Sunlight.....  | 30(iv) 6    |
| Postcard Potpourri 46 – The Mytton and Mermaid Hotel, Atcham, Shrewsbury.....                     | 31(i) 38    |
| Postcard Potpourri 47 – Dean Row Chapel, Wilmslow.....  | 31(ii) 16   |
| Postcard Potpourri 48 – Dial House, Marlow, Buckinghamshire.....                                  | 31(iii) 19  |
| Postcard Potpourri 49 – The Woodlands School, Burgess Hill, Hampstead.....                        | 31(iv) 9    |
| Postcard Potpourri 50 – St Mary's Priory, Hurley, Berkshire.....                                  | 32(i) 9     |

|  |                       |
|--|-----------------------|
| Postcard Potpourri 51 – Butley Priory, Suffolk.....                  | <b>32(ii) 0</b>       |
| Postcard Potpourri [L].....  | <b>19(ii) 82-83</b>   |
| Prehistoric Sundials in Ireland.....                                 | <b>21(iii) 10-15</b>  |
| The Prevalence of English Mass (Scratch) Dials c. 1650 – Part 1..... | <b>21(ii) 43-44</b>   |
| The Prevalence of English Mass (Scratch) Dials c. 1650 – Part 2..... | <b>21(iii) 34-35</b>  |
| Printer’s Error (re. article in Bulletin 19(i), March 2007).....     | <b>19(ii) 49</b>      |
| Prism Dials – a regional variety?.....                               | <b>21(iv) 38-39</b>   |
| Production-Line Manufacture of Portable Dials.....                   | <b>18(iv) 159-161</b> |
| Promoting the Society.....   | <b>26(iii) 17</b>     |
| A Proposal for a Shakespearean-themed Sundial.....                   | <b>25(ii) 12-13</b>   |
| A Proposed Heliochronometer.....                                     | <b>27(ii) 28-30</b>   |
| A Puzzle at Ravello, Italy.....                                      | <b>20(iv) 199-200</b> |
| Puzzle Corner.....   | <b>27(i) 32</b>       |
| The Pyramidical Dial in the King’s Garden at Whitehall.....          | <b>18(ii) 78-84</b>   |

## Q

|   |                   |
|---|-------------------|
| A Quality Dial by Joshua Springer.....        | <b>29(iv) 2-5</b> |
| Queen Mary’s Dial (after Gatty).....          | <b>23(i) 14</b>   |
| Queen Mary’s Dial at Holyrood Palace [L]..... | <b>23(ii) 25</b>  |
| A Question Answered [L].....                  | <b>21(iv) 13</b>  |
| Question 87 from The Ladies’ Diary.....       | <b>22(i) 46</b>   |

## R

|   |                        |
|---|------------------------|
| Railway Time (3).....   | <b>14(ii) 48-50</b>    |
| The Rainbow as a Solar Timekeeper.....                                  | <b>23(ii) 2-7</b>      |
| A Rare Dial in the Far North: Sumburgh, Shetlands.....                  | <b>19(iii) 116-117</b> |
| Read on this dial, how shades devour... (dial motto).....               | <b>18(ii) 74</b>       |
| The Recently Discovered Irish-Style Dial at Tywyn.....                  | <b>21(iii) 36-38</b>   |
| Reception at the Royal Astronomical Society.....                        | <b>14(ii) 62</b>       |
| A Reconstruction of Ludwig Hohenfeld’s 1596 Polyhedral Sundial.....     | <b>23(i) 22-26</b>     |
| The Recreation of a Negretti and Zambra Vertical Dial.....              | <b>18(iii) 110-111</b> |
| Reflections on True North, Large Dials and the Apparent Sun.....        | <b>16(ii) 69-72</b>    |
| Re-Imaging the Pewterers’ Glass Sundial.....                            | <b>27(ii) 15-17</b>    |
| Remember, Remember... ..  | <b>31(i) 18-21</b>     |
| A Renaissance Navicula.....   | <b>31(ii) 13-16</b>    |
| A Replacement Armillary Dial for Christchurch Park, Ipswich.....        | <b>29(ii) 32-33</b>    |
| Report on the Greek Dial from Delos Stored in the Louvre (Ma 4823)..... | <b>25(i) 20-22</b>     |
| The Restoration of a 19 <sup>th</sup> Century Noon Cannon Sundial.....  | <b>24(iv) 34-35</b>    |
| Restoration of a Painted stone Sundial near Prestatyn.....              | <b>31(iv) 2-9</b>      |
| The Restoration of the Dial on the Thomas Plume Library, Maldon.....    | <b>19(i) 28-30</b>     |
| Restoration of the Drummond Castle Obelisk Sundial                      |                        |

|  |                        |
|--|------------------------|
| Part 1: History and Reinstatement Ceremony.....                      | <b>32(i)</b> 2-9       |
| Part 2: Conservation and Restoration Work.....                       | <b>32(ii)</b> 10-17    |
| The Restoration of Egnazio Danti's Astronomical Quadrant             |                        |
| on the Santa Maria Novella Basilica in Florence.....                 | <b>22(i)</b> 2-9       |
| The Restoration of a Horizontal Dial by Henry Sutton.....            | <b>29(1)</b> 2-8       |
| Restoration of the Hole Park Sundial.....                            | <b>27(ii)</b> 36-37    |
| Restoration of the Houghton Hall Sundials-a study in patience.....   | <b>16(iii)</b> 96-99   |
| Restoration of the Sundial at All Saints' Church, Isleworth.....     | <b>26(ii)</b> 44-47    |
| Restoration of the Sundial on Market Lavington Church.....           | <b>16(iii)</b> 105-107 |
| Restoration of the Sundial at Stutton Hall, Suffolk.....             | <b>23(i)</b> 2-5       |
| Restoring the Sundial at St Nicholas' Church, Leicester.....         | <b>23(ii)</b> 48-51    |
| The Return of Two Dials.....   | <b>22(iii)</b> 29-31   |
| A Return to Sundial Construction [L].....                            | <b>29(i)</b> 41        |
| A Review of the Heliochronometers by Pilkington & Gibbs:             |                        |
| Part 1 – The design and accuracy of the Gibbs Helio-Chronometer..... | <b>18(ii)</b> 90-96    |
| Part 2 – Procedures for setting-up the Helio-Chronometers.....       | <b>18(iii)</b> 128-131 |
| Part 3 – The Sol Horometer.....                                      | <b>18(iv)</b> 186-     |
| 192  |                        |
| Part 4 – The Mechanical Equation Table.....                          | <b>19(iii)</b> 98-101  |
| The Reworking of Mass Dials.....                                     | <b>25(iv)</b> 40-41    |
| Erratum.....   | <b>26(i)</b> 1         |
| A Richard Melvin Sundial.....  | <b>31(iii)</b> 21      |
| The Riddle of the Tower.....   | <b>30(i)</b> 22-25     |
| Robert Cutbush – a provincial dialmaker.....                         | <b>21(iv)</b> 20-22    |
| Robert Stikford's 'De Umbris Versis et Extensis'.....                | <b>23(iv)</b> 24-28    |
| Robert Stikford's 'De Umbris Versis et Extensis' (Addendum).....     | <b>24(i)</b> 1         |
| A Roller in a Cottage Garden?.....                                   | <b>21(iii)</b> 44-45   |
| Roman Numerals [L].....  | <b>18(iii)</b> 109     |
| The Roman Sundial at Dion: the famous Macedonian sanctuary.....      | <b>18(iv)</b> 184-185  |
| Rowhedge Dial [L].....   | <b>19(iii)</b> 111     |
| A Russian Analemmatic Dial.....                                      | <b>21(i)</b> 28-30     |

## S

|   |                      |
|---|----------------------|
| The Sad Story of a Sundial.....   | <b>26(iv)</b> 26-27  |
| Saltcoats, Sundials, Storms.....  | <b>28(iii)</b> 29-31 |
| A Salutation to David Young.....  | <b>17(i)</b> 28-29   |
| A Salvaged Pedestal.....  | <b>30(iv)</b> 18-19  |
| Samuel Saunders. A study of a London sundial maker. Part 1.....               | <b>24(i)</b> 2-7     |
| Part 2.....   | <b>24(ii)</b> 8-11   |
| Samuel Sturmy, (dial shown in the frontispiece of The Mariners Magazine)..... | <b>20(iv)</b> 175    |
| Satellite Dish Sundial.....   | <b>21(iv)</b> 37     |
| The Saughton Park Sundial.....  | <b>26(ii)</b> 47     |
| The Scadbury Horizontal Stone Sundial.....                                    | <b>25(iv)</b> 28-31  |
| Scaphe dial, from Leybourne's <i>Dialling</i> .....                           | <b>24(ii)</b> 7      |
| The Scaphe Sundial at Hever Castle, Kent.....                                 | <b>24(i)</b> 43-48   |

|   |                          |
|---|--------------------------|
| The Science Fair at Preston – June 2012.....  | <b>25(i)</b> 19          |
| The Scoreboard Sundial.....   | <b>24(ii)</b> 17         |
| Scottish Obelisks and the Kirktonhall Project (and a Chess Set).....                                    | <b>27(iii)</b> 40-41     |
| A Scottish Sundial Holding Secrets.....   | <b>28(ii)</b> 7-13       |
| Scratch Dial Shadows [L].....   | <b>23(iii)</b> 37        |
| Scratch (Mass) Dials: Time for a Reassessment.....  | <b>19(iv)</b> 192        |
| Searching for Lost Time: Finding Sundials in Rutland.....   | <b>21(iii)</b> 16-20     |
| A Second DIY Garden Heliocronomer.....  | <b>30(i)</b> 28-32       |
| Secure Fixings and Fastenings for Sundials.....   | <b>24(iv)</b> 42-45      |
| Sedbury, Wilts. (Illustration of dial, from Mrs Gatty's <i>Book of Sun-dials</i> ).....                 | <b>25(iii)</b> 26        |
| Seen at Kew.....  | <b>17(ii)</b> 85         |
| The Self-Setting Property of Dual Sundials.....   | <b>19(i)</b> 40-45       |
| Selling Sundials [L].....   | <b>16(iv)</b> 15         |
| <i>Semper Novus, Semper Idem</i> – Two Slotted-Gnomon ‘Conservatory’<br>or ‘Parlour’ Pottery Dials..... | <b>27(i)</b> 45-50       |
| The Senior Sundial [L].....   | <b>23(iv)</b> 47         |
| Setting the Bead on an Horary Quadrant Without a Date Scale.....  | <b>27(ii)</b> 21         |
| Seven Dials. The investigation of an Austrian tourist.....  | <b>23(i)</b> 12-14       |
| Seven Dials [L].....  | <b>23(ii)</b> 43         |
| A Seventeenth (17 <sup>th</sup> ) Century Churchyard Dial.....  | <b>15(ii)</b> 68-70      |
| A Seventeenth-century Halachic Horizontal Sundial by Robert Jole.....                                   | <b>26(iii)</b> 18- 23    |
| Shadowy Secrets (Part 3) – The Pigpen Mystery Solved.....   | <b>14(ii)</b> 46-47      |
| Shadowy Secrets (Part 4) – The Art and Artifice of the Gnomon.....                                      | <b>20(iii)</b> 112-114   |
| Shadowy Secrets (Part 5) – Shadows in the mind.....   | <b>22(iii)</b> 16-17, 39 |
| Shadowy Secrets (Part 6) – The limits of latitude in sundial design.....                                | <b>23(i)</b> 43-45       |
| Shedding a Glorious Light – Stained Glass Sundials.....   | <b>19(ii)</b> 69-73      |
| The Shetland Islands: Reporting on Britain’s Most Northerly Sundial.....                                | <b>27(iii)</b> 17-18     |
| Sherlockian Dials.....  | <b>26(i)</b> 8-10        |
| A Short Trip to Canada for Sundials.....  | <b>25(i)</b> 46-47       |
| The Shortest Day Revisited.....   | <b>31(iii)</b> 20-21     |
| Should We Produce a Mass Dial Register? [L].....  | <b>30(ii)</b> 9          |
| Simple Delineation of Vertical Declining Dials.....   | <b>18(iii)</b> 142-144   |
| Simple Instrument for Finding a Meridian Line.....  | <b>23(iii)</b> 34-35     |
| A Simple Meridian Instrument.....   | <b>22(ii)</b> 42-43      |
| A Simple Sundial Maker in South Africa.....   | <b>22(i)</b> 44-46       |
| The Singleton Dial.....   | <b>25(i)</b> 23          |
| The Singleton ‘Druid’ Helical Dials.....  | <b>25(iv)</b> 50-51      |
| A Singular Cross Dial in Moorfields.....  | <b>30(ii)</b> 2-5        |
| Sir Christopher Wren’s dial to be moved?.....   | <b>18(ii)</b> 61         |
| Sir Isaac Newton Sundial unveiled at Leicester University.....  | <b>17(i)</b> 34-35       |
| SIS Invitation Lecture Evening.....   | <b>18(i)</b> 47          |
| SIS Invitation Lecture (report).....  | <b>21(i)</b> 20-21       |
| The Sixty-Seven (67) Sundials of Caius Court, Cambridge.....  | <b>21(ii)</b> 2-4        |
| The Slate Dials of Brittany.....  | <b>26(iv)</b> 5-7        |
| Erratum.....  | <b>27(i)</b> 1           |
| Slunečí Hodiny – A small Czech sundial.....   | <b>18(ii)</b> 77         |
| Smallest Dial Picture? (representation of a sundial on a micro-processor).....                          | <b>19(ii)</b> 68         |
| Small Mystery in York.....  | <b>14(i)</b> 27-28       |
| Smeeth, Kent Sundial.....   | <b>20(iii)</b> 147       |
| Snippet from a Church Leaflet.....  | <b>19(iii)</b> 113       |

|   |                        |
|---|------------------------|
| Snowshill Manor – Finding a dial that was there all the time.....                   | <b>26(i)</b> 46-47     |
| The Society's New Patron: The Hon Sir Mark Lennox-Boyd.....                         | <b>16(i)</b> 3         |
| Solar and Lunar Data 2007.....  | <b>19(i)</b> 14        |
| Solar and Lunar Data 2007.....  | <b>19(ii)</b> 95       |
| Solar and Lunar Data 2007.....  | <b>19(iii)</b> 134     |
| Solar Ephemeris.....  | <b>18(iv)</b> 185      |
| Solar Obelisks of Russia.....   | <b>26(ii)</b> 34       |
| The Solar Pyramid.....  | <b>20(ii)</b> 54-59    |
| A Solar Transit on the Meridian Line, Basilica of San Petronio, Bologna.....        | <b>31(ii)</b> 20-26    |
| A Solstice Sundial.....   | <b>28(iv)</b> 18-19    |
| Some Early French Sundials.....   | <b>30(ii)</b> 10-12    |
| Some Eighteenth (18 <sup>th</sup> ) Century Dialmakers in the Grocers' Company..... | <b>15(i)</b> 6-14      |
| Some Hertfordshire Sundials.....  | <b>20(iii)</b> 136-141 |
| Some Kindersley Sundials.....   | <b>26(ii)</b> 28-32    |
| Some New Dials in St Petersburg.....  | <b>27(i)</b> 38-40     |
| Some Old Sundials in South Africa.....  | <b>27(i)</b> 41-45     |
| Some People have SatNavs.....   | <b>26(iii)</b> 44      |
| Some Ups and Downs of Lettering and Sundial Projects.....                           | <b>30(iv)</b> 50-51    |
| Something Unsuspected, But Not New, in Darkest Scotland.....                        | <b>18(iv)</b> 162-163  |
| Erratum.....  | <b>19(i)</b> 11        |
| Sonnenkompass 41.....   | <b>24(ii)</b> 18-20    |
| Sotheby's [L].....  | <b>16(iii)</b> 107     |
| Souvenir from Scotland [L].....   | <b>31(i)</b> 40        |
| Spalding Gentleman's Club, Lincs. Sundial.....                                      | <b>24(iii)</b> 6       |
| A Spanish Dial.....   | <b>17(iii)</b> 132     |
| A Spherical Sundial at Ilkley, Yorkshire.....                                       | <b>16(i)</b> 18        |
| Spotted in a Shop Window.....   | <b>31(ii)</b> 6        |
| Spot the Sundial.....   | <b>31(iii)</b> 36      |
| A Square Dial of 1709.....  | <b>16(ii)</b> 76-77    |
| Stained Glass Sundial at Nun Appleton Hall.....                                     | <b>19(ii)</b> 95       |
| Stained Glass Sundial, seen in Kirshgarten Museum, Basel.....                       | <b>20(iv)</b> 171      |
| A Stained Glass Sundial with a Magnetic Gnomon.....                                 | <b>23(ii)</b> 44-47    |
| A Standing Ring Dial by J. Sisson.....  | <b>29(iii)</b> 41-43   |
| A Standing Stone and its Possible Astronomical Alignment                            |                        |
| – Using seasonal shadow and light displays in the Neolithic.....                    | <b>24(iii)</b> 2-6     |
| The Stanwardine Hall Dial.....  | <b>18(iii)</b> 99-106  |
| The Stereographic Projection and Quadrant by Henry Sutton.....                      | <b>24(iii)</b> 8-15    |
| Stormontfield. Queen Victoria's Diamond Jubilee Commemorative Sundial.....          | <b>25(iii)</b> 19      |
| The Strange Case of Half a Motto.....   | <b>19(iii)</b> 123     |
| A Strange Creature.....   | <b>19(iv)</b> 152      |
| Strange Longitude.....  | <b>19(iii)</b> 114-115 |
| The Strangest Place for a Sundial?.....   | <b>24(iv)</b> 21       |
| String Gnomon Dials.....  | <b>30(i)</b> 34-35     |
| A Study of the Shortest Day.....  | <b>31(ii)</b> 17-19    |
| Study Trip to Poland.....   | <b>28(iii)</b> 36      |
| A Stump-work Dial.....  | <b>23(iv)</b> 22       |
| Suburban Reflections [L].....   | <b>24(i)</b> 48        |
| Summertime Noon Dial.....   | <b>24(iv)</b> 16-17    |
| A Sun and Moon Dial with Babylonian and Italian Hours.....                          | <b>16(iii)</b> 103-104 |
| The Sundial (Poem).....   | <b>28(iii)</b> 6       |

|  |                            |
|--|----------------------------|
| Sundial after Dusk (Poem).....   | <b>14(ii)</b> 62           |
| Sundial Alarm.....   | <b>21(i)</b> 48            |
| A Sundial and its Provenance.....  | <b>23(i)</b> 15            |
| Sundial Artist, Dorothy Hartley.....   | <b>29(i)</b> 16-19         |
| The Sundial as an Aeolian Harp.....  | <b>22(ii)</b> 2-6          |
| A Sundial at the Bodleian Library in Oxford.....   | <b>20(iv)</b> 172-175      |
| The Sundial at Castletown, Isle of Man.....  | <b>14(ii)</b> 69-71        |
| The Sundial at Glamis Castle.....  | <b>21(i)</b> 38-42         |
| Sundial at Hotel Casino Ridola , Matera, South Eastern Italy.....                                    | <b>30(ii)</b> 22-23        |
| Sundial at the Mountbatten School, Romsey.....   | <b>20(iii)</b> 108-110     |
| The Sundial at Novodevitchiy Convent in Moscow.....  | <b>15(ii)</b> 71-73        |
| Sundial at Picton, New Zealand [L].....  | <b>29(iii)</b> 24-25       |
| The Sundial at the Pitti Palace in Florence.....   | <b>20(i)</b> 3-10          |
| Sundial at St Katherine Cree Church, Leadenhall, London  |                            |
| Sundial Trail Competition 2001:  |                            |
| Prize to be spent on Sundial Restoration [L].....  | <b>14(iv)</b> 140          |
| The Sundial at St Tewdric's, Mathern, South Wales.....   | <b>14(iv)</b> 145-146      |
| Sundial at the Friend's Meeting House, Brant Broughton, North Kesteven.....                          | <b>30(iii)</b> 33          |
| The Sun-Dial at Wells College (poem by Henry Van Dyke).....  | <b>21(iv)</b> 19           |
| A Sundial by Thomas Hart.....  | <b>31(iii)</b> 15-19       |
| Sundial Cakes.....   | <b>21(iv)</b> 33           |
| “Sundial” Wine.....  | <b>19(iv)</b> 145          |
| A Sundial Commission with a Circular Enoch Calendar.....   | <b>30(ii)</b> 17-19        |
| Sundial Construction Drawing by John Flamsteed.....  | <b>25(i)</b> (Front cover) |
| Sundial Crests [L].....  | <b>23(iv)</b> 47           |
| A Sundial Delineated inside a Cone.....  | <b>31(iv)</b> 32-36        |
| Sundial Delineation using Vector Methods: Part 1.....  | <b>17(iii)</b> 121-127     |
| Sundial Declination using Vector Methods: Part 2.....  | <b>17(iv)</b> 158          |
| Sundial Declination using Vector Methods: Part 3.....  | <b>18(i)</b> 26-27         |
| Sundial Declination using Vector Methods: Part 4 – Direct East and West Dials... <b>18(ii)</b> 68-69 |                            |
| Sundial Declination using Vector Methods: Part 5 – Polar Dials.....                                  | <b>18(iii)</b> 138         |
| Sundial Declination using Vector methods: Part 6 – Equatorial Dials.....                             | <b>18(iv)</b> 163-164      |
| Sundial Delineation Using Vector Methods [L].....  | <b>18(i)</b> 20            |
| Sundial Declination Using Vector Methods (reply) [L].....  | <b>18(i)</b> 20-21         |
| Sundial Discoveries in India and Sri Lanka.....  | <b>27(ii)</b> 31-35        |
| Sundial Ephemeris – Crested “Goss” China Sundials.....   | <b>23(i)</b> 39            |
| Sundial Exhibition in Wroclaw, Poland (20 March 2019 until 2020).....                                | <b>31(ii)</b> 28-29        |
| Sundial Faces.....   | <b>20(ii)</b> 50-53        |
| Sundial Festival at the Gatchina Palace, St Petersburg.....  | <b>23(iv)</b> 14-15        |
| A Sundial for the Old School House at Durgan, Cornwall.....  | <b>32(i)</b> 12-13         |
| A Sundial for a North Wall.....  | <b>30(iv)</b> 20-27        |
| A Sundial for Dunscore Wood, Bolton, Lancashire.....   | <b>14(ii)</b> 72-73        |
| Sundial for a Golden Wedding.....  | <b>16(iv)</b> 160-162      |
| A Sundial for a School in Southern Sweden.....   | <b>17(iv)</b> 170-171      |
| A Sundial Found in the Egyptian Valley of the Kings.....   | <b>25(iv)</b> 2-7          |
| A Sundial from a Dublin Maker.....   | <b>28(i)</b> 10-11         |
| The Sundial Goes To War; Part 1.....   | <b>23(ii)</b> 20-25        |
| The Sundial Goes To War, Part 2.....   | <b>23(iii)</b> 10-15       |
| A Sundial Hat.....   | <b>21(iii)</b> 25          |
| The Sundial Herm at Ancient Messene, Greece.....   | <b>27(iii)</b> 2-7         |

|   |                 |
|---|-----------------|
| A Sundial in California.....  | 15(iii) 128     |
| Sundial in cartoon, (from BBC Focus magazine).....  | 20(iv) 165      |
| The Sundial in La Specola Museum, Florence.....   | 19(i) 33-39     |
| A Sundial in the Sand.....  | 28(iii) 34-35   |
| Sundials in the Science Museum, Geneva.....   | 29(iii) 17      |
| Sundials in the Zuylenburgh Collection in Utrecht.....  | 31(iii) 2-6     |
| A Sundial in South Carolina, USA.....   | 14(iv) 172      |
| The Sundial in the Chapel of Holy Trinity at Rug.....   | 18(ii) 50-52    |
| “Sundial Notes” calendar.....   | 19(ii) 96       |
| A Sundial Puzzle from Gouda.....  | 28(iii) 32-33   |
| Sundials in Seattle.....  | 27(iv) 24-27    |
| The Sundials of Gerald Laing.....   | 24(iii) 33-34   |
| The Sundial of the Certosa of Florence (Tuscany, Italy)<br>restored to working condition.....                     | 23(iv) 16-22    |
| Sundial on Christmas card (space filler).....   | 27(iv) 1        |
| Sundial on a Christmas Card.....  | 30(iv) 32       |
| A Sundial on a Public House [L].....  | 15(ii) 61-62    |
| Sundial Restoration at St Mary’s Church, Mentmore, Buckinghamshire.....   | 29(iv) 9-11     |
| A Sundial Search that Found a Toposcope.....  | 28(iii) 8-10    |
| Sundial Sees the Light of Day.....  | 14(iv) 167      |
| A Sundial Serenade.....   | 29(iii) 14-16   |
| Sundial Slides for Magic Lanterns.....  | 22(i) 32-33     |
| Sundial Supporters Revisited.....   | 19(iii) 125-127 |
| A Sundial that Unites: Teddy Park Sundial, Jerusalem, Israel.....   | 30(ii) 30-33    |
| Sundial-Themed Products from RedBubble.....   | 29(iv) 8        |
| Sundial Tour of Cornwall.....   | 15(iv) 165-169  |
| Sundial Trail Presentation.....   | 20(ii) 67       |
| Sundial Trip to London.....   | 25(iv) 16-17    |
| Sundial with a Cricketing Theme.....  | 16(i) 6         |
| The Sundial Wordsearch.....   | 15(iv) 147      |
| Sundials.....   | 20(i) 40        |
| The Sundials and Dialmakers of London’s Moorfields – A Perambulation.....   | 29(i) 20-22     |
| Sundials and Forts in North Wales.....  | 22(ii) 16-17    |
| Sundials and Slavery.....   | 25(iv) 34-40    |
| The Sundials at the Skalnate Pleso Observatory, in Poprad (Slovak Republic),<br>and in Otzenhausen (Germany)..... | 15(i) 35-37     |
| Sundials at the Chelsea Flower Show.....  | 30(iii) 6-7     |
| Sundials at Trinity College, Cambridge.....   | 16(i) 7-13      |
| Sundials at the University of Leicester.....  | 17(iv) 175      |
| The Sundials at Wadham College, Oxford.....   | 14(ii) 63-67    |
| Sundials by the Davis Dynasty.....  | 28(iii) 2-6     |
| Sundials Depicted in Stained Glass Windows [L].....   | 17(iii) 104-105 |
| Sundials for the Blind.....   | 15(ii) 58-60    |
| Sundials in Armenia.....  | 20(iii) 148-151 |
| Sundials in GCSE Astronomy.....   | 24(ii) 20-21    |
| Sundials in Literature [L].....   | 26(i) 43        |
| Sundials in Madeira.....  | 27(i) 10-12     |
| Sundials in Parma, Italy.....   | 31(i) 35-38     |
| Sundials in South-East Attica.....  | 16(ii) 49-52    |
| Sundials in the Desert Lands of Central Australia.....  | 26(iii) 14-17   |

|   |                        |
|---|------------------------|
| Sundials of Buckinghamshire.....                              | <b>18(ii)</b> 70-74    |
| Sundials of St Petersburg.....                                | <b>21(i)</b> 22-26     |
| Sundials on Boulders.....                                     | <b>26(i)</b> 18-20     |
| Sundials on Pubs [L].....                                     | <b>15(iii)</b> 110-111 |
| Sundials on Pubs [L].....                                     | <b>15(iii)</b> 111     |
| Sundials on Pubs [L].....                                     | <b>15(iii)</b> 111     |
| (More Pub Dials) [L].....                                     | <b>15(iv)</b> 164      |
| (More Pub Dials) [L].....                                     | <b>15(iv)</b> 164      |
| Sundials on the Tropic of Capricorn.....                      | <b>26(iv)</b> 8-10     |
| Sundials put Clock in the Shade.....                          | <b>16(i)</b> 36-37     |
| Sundials Still Rule OK [L].....                               | <b>28(i)</b> 9         |
| Sundials Suffuse Secondary Schools.....                       | <b>19(i)</b> 32        |
| Sundials Within the Tropics.....                              | <b>21(ii)</b> 18-23    |
| Sun Position Compass [L].....                                 | <b>22(i)</b> 22-23     |
| Sunrays Change Edges on Sharp-Edged Gnomons.....              | <b>28(i)</b> 17        |
| Sunrise and Sunset: an Observation.....                       | <b>14(i)</b> 24-26     |
| Sunrise and Sunset Hours on Analemmatic Dials.....            | <b>18(iv)</b> 146-148  |
| Sunrise and Sunset Hours on a Garden Analemmatic Dial.....    | <b>19(ii)</b> 78-81    |
| Sunrise Dial.....   | <b>14(iv)</b> 141-143  |
| A Sun Simulator for Moyse's Hall Museum, Bury St Edmunds..... | <b>23(i)</b> 34-35     |
| Supposed Threat to the Library [L].....                       | <b>25(ii)</b> 11       |
| A Surrealist Sundial Face [L].....                            | <b>20(iii)</b> 118     |
| The Swear-Box Sundial.....                                    | <b>20(i)</b> 1         |
| Symbolic Meanings of Sundials in Antiquity.                   |                        |
| Introduced by an explanation of ancient timekeepers.....      | <b>23(i)</b> 6-10      |

## T

|  |                       |
|--|-----------------------|
| A "Table Top" Analemmatic Sundial.....   | <b>14(iv)</b> 170-171 |
| Tailpiece.....   | <b>18(ii)</b> 96      |
| Tailpiece.....   | <b>18(iv)</b> 192     |
| The Tangram Diallists.....   | <b>25(iii)</b> 24     |
| The Tavistock Square Bomb Memorial.....  | <b>18(iv)</b> 156-157 |
| A Tea Plantation Sundial in Munnar, Kerala State, India.....                       | <b>31(ii)</b> 35-37   |
| Telling the Time at Night.....   | <b>14(ii)</b> 76-79   |
| Tempus Fugit!.....   | <b>27(iv)</b> 20      |
| Tenterden Time.....  | <b>14(iv)</b> 156-157 |
| Tenth Annual NASS Conference, Tenafly, New Jersey, USA<br>– 19-22 August 2004..... | <b>16(iv)</b> 152-154 |
| The Tetrahedron Cairn.....   | <b>27(iv)</b> 2-4     |
| Then and Now.....  | <b>20(i)</b> 42       |
| A Theatrical Dial.....   | <b>27(i)</b> 25       |
| A Third Garden Heliochronometer.....   | <b>31(i)</b> 26-32    |
| A Third West Indies Dial.....  | <b>22(ii)</b> 45      |
| The Thirteenth (13 <sup>th</sup> ) NASS Conference – a personal report.....        | <b>20(i)</b> 22-25    |
| Thomas and Joshua Mann: Engravers and York Virtuosi.....                           | <b>32(ii)</b> 2-7     |

|   |                        |
|---|------------------------|
| Thomas Boleyn's Slate Sundial.....                                      | <b>25(i)</b> 45        |
| Thomas Hogben.....  | <b>15(iv)</b> 153-160  |
| Thomas Hogben's Perpetual Calendar.....                                 | <b>26(i)</b> 32-35     |
| Thomas Payne [L].....   | <b>18(ii)</b> 53       |
| Thomas Tuttell's Playing Cards.....                                     | <b>22(i)</b> 24-27     |
| Thomas Wright's Horizontal Sundials.....                                | <b>16(iv)</b> 135-143  |
| Thorp Perrow, Yorkshire, sundial.....                                   | <b>20(i)</b> 27        |
| 3D Reconstructions of Ancient Sundials with Multiple Faces: Part 1..... | <b>31(ii)</b> 2-6      |
| 3D Reconstructions of Ancient Sundials with Multiple Faces: Part 2..... | <b>31(iii)</b> 22-26   |
| Three Danish Sundials.....  | <b>26(iii)</b> 11-12   |
| Three-plate Dial [L].....   | <b>25(iv)</b> 21       |
| Three Sundials in a Country House Garden.....                           | <b>28(i)</b> 2-5       |
| Three Sundials of Barcelona.....  | <b>29(i)</b> 30-31     |
| Throwing Light on a Sundial at Newstead Abbey.....                      | <b>29(ii)</b> 29-31    |
| Tickless Time.....  | <b>17(iii)</b> 130-131 |
| Timbouctou Sine Quadrant.....   | <b>20(iv)</b> 166-168  |
| Time and Place.....   | <b>18(iii)</b> 107-110 |
| Time for Another Beer?.....   | <b>23(iv)</b> 8-9      |
| Timekeepers in Britain, 43-780 AD:                                      |                        |
| Origins, the Roman contribution, and Anglo-Saxon continuity.....        | <b>22(iii)</b> 36-39   |
| “Timekumpas” – the smallest heliochronometer?.....                      | <b>17(iv)</b> 154-155  |
| Time to Move.....   | <b>18(iii)</b> 106     |
| Total Eclipse 2015.....   | <b>27(ii)</b> 7        |
| Transit of Venus.....   | <b>24(ii)</b> 47       |
| The Transit of Venus Sundial, Campbell Town, Tasmania.....              | <b>32(i)</b> 33-35     |
| A Trans-Atlantic Sundial from a Hollandaise Source.....                 | <b>25(ii)</b> 48-51    |
| A Transylvanian Analemmatic Sundial Revisited.....                      | <b>27(iv)</b> 18-20    |
| Transport Through the Ages.....   | <b>15(iii)</b> 129     |
| Tribute to the BSS [L].....   | <b>30(iv)</b> 52       |
| A Tribute to Robert Hooke.....  | <b>21(iv)</b> 10-12    |
| A Trip to Southern France.....  | <b>29(iv)</b> 30-34    |
| Trustees' Annual Report 2014-15.....                                    | <b>27(ii)</b> 46-47    |
| Trustees' Annual Report 2015-16.....                                    | <b>28(i)</b> 33-35     |
| Trustees' Annual Report 2016-17.....                                    | <b>29(i)</b> 42-43     |
| Trustees' Annual Report 2017-18.....                                    | <b>30(i)</b> 36-37     |
| Trustees' Annual Report 2018-19.....                                    | <b>31(i)</b> 41-43     |
| Trustees' Annual Report 2019-20.....                                    | <b>31(i)</b> 41-46     |
| Turnstile Dial [L].....   | <b>18(iv)</b> 175      |
| Turnstyle Sundial.....  | <b>18(ii)</b> 75-76    |
| The Twentieth Century.....  | <b>14(iii)</b> 115-120 |
| Trouble with Four [L].....  | <b>25(ii)</b> 11       |
| Twentieth Century Innovations [L].....                                  | <b>14(iv)</b> 138      |
| 24-Hour Sundial in the Shadow of the Moon.....                          | <b>27(ii)</b> 7        |
| Two Conical Sundials with Missing Gnomons                               |                        |
| in the Archaeological Museum of Athens.....                             | <b>26(i)</b> 2-7       |
| Two Decorative Vertical Dials.....                                      | <b>26(ii)</b> 43       |
| Two Double Horizontal Sundials Constructed                              |                        |
| at the Jesuit Academy in Polotsk, Belarus.....                          | <b>32(ii)</b> 32-43    |
| Two further China Dials.....  | <b>15(i)</b> 29-30     |

|  |                        |
|--|------------------------|
| Two Horizontal Scratch Dials in Scotland (and one in England).....                             | <b>14(ii)</b> 58-60    |
| Two Interesting Slate Dials.....   | <b>29(ii)</b> 34-37    |
| Two Manchester Glass Dials.....  | <b>21(iii)</b> 32-33   |
| Two Methods to Find the Eccentricity of the Earth's Orbit<br>from Measurements with a Sundial. |                        |
| Part 1 – Theoretical Considerations.....   | <b>22(iii)</b> 32-35   |
| Part 2-- Observations and calculations of e.....   | <b>23(i)</b> 18-20     |
| Two New Dials of Saint Petersburg.....   | <b>29(i)</b> 10-11     |
| Two Newly Discovered Sundials on the Isle of Wight.....  | <b>21(ii)</b> 90       |
| Two New Vertical Dials in Stone and Slate.....   | <b>30(iv)</b> 11-13    |
| Two Restorations of a Scrolled Gnomon.....   | <b>25(ii)</b> 44-47    |
| Two Scottish Harbour Dials.....  | <b>29(iv)</b> 40       |
| Two Tompian Sundials on Display in California.....   | <b>26(i)</b> 10-11     |
| Two Unique Sundial Drawings from Vilnius.....  | <b>26(i)</b> 35        |
| Two Unusual Eighteenth-Century Sundials.....   | <b>29(iv)</b> 12-14    |
| Two Unusual Sundials at Tollesbury.....  | <b>30(iv)</b> 8-10     |
| The Tyttenhanger Sundial.....  | <b>24(iii)</b> 29-32   |
| The 2005 BSS Open Award Scheme.....  | <b>17(iii)</b> 109-115 |
| The 2017 American Eclipse – Postscript.....  | <b>30(i)</b> 33        |
| A 12 <sup>th</sup> -century Manuscript Indian Circle Diagram.....                              | <b>25(i)</b> 29        |

## U

|  |                       |
|--|-----------------------|
| The “Ugly, Decapitated, Terra Cotta Sundial” of Ruskin Park.....               | <b>30(iii)</b> 32     |
| Umbra Docet – The Shadow Teaches.....  | <b>23(iii)</b> 27     |
| Understanding Sundials: Farncombe Estate, 18-20 August 2006.....               | <b>18(iv)</b> 164     |
| Unexpected Aspects of Anniversaries, or: Early sundials, widely travelled..... | <b>26(iii)</b> 40-44  |
| A Universal Altitude Dial by John Marke.....                                   | <b>21(iii)</b> 2-8    |
| A Universal Dial by G. Wright.....   | <b>28(iii)</b> 14-16  |
| The Universal East and West Polar Dial.....                                    | <b>20(iv)</b> 154-156 |
| A Universal Equinoctial Dial By T.W.Watson.....                                | <b>25(iii)</b> 29-31  |
| Universal Equinoctial Dial [L].....  | <b>25(iv)</b> 21      |
| A Universal Heliochronometer.....  | <b>21(iv)</b> 28-33   |
| A Universal Italian and Babylonian Hour Accessory.....                         | <b>19(i)</b> 24-27    |
| An Unrecorded Silesian Sundial by John Rowley.....                             | <b>22(iii)</b> 40-45  |
| An Unrecorded Stained Glass Dial.....  | <b>24(i)</b> 17       |
| An Unrecorded Transitional Mass Dial at Bixley, Norfolk.....                   | <b>28(i)</b> 21-25    |
| Untitled Letter [L].....   | <b>14(iv)</b> 139-140 |
| An Unusual Equation of Time Display.....                                       | <b>21(i)</b> 31       |
| An Unusual Geographical Sundial.....   | <b>25(i)</b> 37-39    |
| An Unusual Indoor Sundial.....   | <b>14(ii)</b> 71-72   |
| An Unusual Slate Sundial.....  | <b>22(ii)</b> 38-40   |
| Update on the Horniman Ceiling Dial.....                                       | <b>18(iii)</b> 141    |
| Update of the Tywyn Dial.....  | <b>22(ii)</b> 24      |
| Upton Manor Farm, Cambs.....   | <b>24(iii)</b> 28     |

|   |                     |
|---|---------------------|
| Use Or Ornament?.....                     | <b>26(ii)</b> 2-7   |
| Using a Sledgehammer to Crack a Nut?..... | <b>28 (i)</b> 1     |
| Utile et Dulce.....                       | <b>24(iv)</b> 46-47 |

## V

|  |                        |
|--|------------------------|
| Variation in the Equation of Time.....   | <b>18(ii)</b> 64-68    |
| Variety in Uniformity: An Oxymoron.....  | <b>16(ii)</b> 77-78    |
| “Variety in Uniformity:” A comment [L].....  | <b>16(iii)</b> 117     |
| “Variety in Uniformity:” A Comment [L].....  | <b>16(iii)</b> 117     |
| A Vari-purpose Vertical Sundial.....   | <b>26(iii)</b> 33      |
| A Vertical Arachnidean Sundial Indicating Islamic Prayer Times<br>and the Direction of Mecca.....                | <b>20(ii)</b> 92-95    |
| Vertical Dial, Château de Chillon, Montreux.....   | <b>28(iv)</b> 16       |
| A Vertical South Sundial Indicating the Equation of Time and its Terms.....                                      | <b>22(ii)</b> 7-9      |
| A Vertical Sundial Indicating the Present Ecliptic Positions<br>of the Constellations.....                       | <b>21(iii)</b> 26-31   |
| The Vertical Sundial of Hossios Loukas Convent.....  | <b>16(i)</b> 18-21     |
| The Vertical Sundial of Panaghia Vlaherna Convent in Kyllene,Peloponnese.....                                    | <b>19(ii)</b> 84-85    |
| The Vertical Sundial of Saint Lavretios Convent.....   | <b>16(iii)</b> 101-103 |
| The Vertical Sundial of the Church of the Dormition of the Virgin<br>at Agria Trias in the Argive Plain.....     | <b>19(i)</b> 12-14     |
| Printer’s Error (Erratum).....   | <b>19(ii)</b> 1        |
| A Very Early Description of a Horizontal Dial in English.....  | <b>24(ii)</b> 12-15    |
| A Very Large Polar Dial in Lalín, Galicia, N.W.Spain,<br>Designed by José Luis Basanta Campos of Pontevedra..... | <b>22(iv)</b> 20-21    |
| “The Very Last Scratchings of an Old Bird”.....  | <b>30(ii)</b> 24-27    |
| A Very Personal Sundial.....   | <b>29(ii)</b> 39-41    |
| A Very Public Sundial.....   | <b>18(iv)</b> 172-175  |
| Vial Dial.....   | <b>16(iii)</b> 91-95   |
| Video Review – Time in Suffolk.....  | <b>16(ii)</b> 85-86    |
| Viking Sun Compass [L].....  | <b>28(ii)</b> 15       |
| A Village Sign and a Sundial in Lancashire.....  | <b>32(ii)</b> 8-9      |
| A Visit to Belgium by Two Innocents Abroad.....  | <b>20(iii)</b> 152     |
| Visit to Bramshill House, 6 <sup>th</sup> June 2009.....   | <b>21(iii)</b> 8       |
| A Visit to British Columbia, Canada, for the 2015 NASS Conference.....   | <b>27(iv)</b> 14-17    |
| Visit to the Museum of the Worshipful Company of Clockmakers.....  | <b>18(iii)</b> 98, 119 |
| A Visit to the 24-Hour Sundial at Longyearbyen.....  | <b>28(iii)</b> 7       |
| A Visit to World Museum, Liverpool.....  | <b>28(iii)</b> 22-23   |
| The Voortrekker Monument, Pretoria, South Africa.....  | <b>22(i)</b> 38-40     |
| The Voss Obelisk ‘Time for Evermore’.....  | <b>31(iv)</b> 12-16    |

## W

|   |                         |
|---|-------------------------|
| Walker and Hughes tradecard.....  | <b>25(i)</b> 22         |
| Walton Hall Sundial [L].....  | <b>27(iv)</b> 12        |
| A Wine for Diallists?.....  | <b>30(i)</b> 19         |
| War Memorial Dials.....   | <b>23(ii)</b> 13        |
| War Memorial Dials [L].....   | <b>23(ii)</b> 43        |
| Waugh's Equations [L].....  | <b>16(iii)</b> 117      |
| The Wayfarer's Clock.....   | <b>15(iv)</b> 171-175   |
| The Wayfarer's Clock-Revisited.....   | <b>16(ii)</b> 59-61     |
| Wearable Technology (Cartoon).....  | <b>27(i)</b> 24         |
| Welcome to Newbury.....   | <b>29(iv)</b> 5         |
| West Indies Dials.....  | <b>23(ii)</b> 51        |
| West Indies Dials in Gloucestershire.....                                       | <b>22(i)</b> 41         |
| A West Indies Dial by Thomas Wright.....  | <b>25(i)</b> 8-14       |
| Weybridge Hospital Sundial, Another Mystery!.....                               | <b>28(iii)</b> 27-28    |
| What Happened to the Calverley Sundial?.....                                    | <b>28(i)</b> 30-31      |
| What Happened to the Raunscliffe Hall Dial?.....                                | <b>27(iv)</b> 10-11     |
| What it is to be Young.....   | <b>28(iv)</b> 38-41     |
| Wheel of Time.....  | <b>14(i)</b> 44         |
| Where is the Sun?.....  | <b>16(iii)</b> 122-123  |
| The Whimsical Origin of Daylight Saving.....                                    | <b>15(i)</b> 32         |
| Who Made these English Dials?.....  | <b>27(iv)</b> 21-23     |
| Who Made these Ivory Diptych Dials?.....  | <b>27(ii)</b> 18-20     |
| Who was 'EC'?.....  | <b>32(ii)</b> 31        |
| Who was Jeanie Crowley?.....  | <b>28(iv)</b> 10-11     |
| Who Were the Makers of these Attractive Flower Dials?.....                      | <b>27(iii)</b> 20-21    |
| Wigborough House, Somerset dial.....  | <b>19(i)</b> 8          |
| Wigmore Grange, Hereford dial.....  | <b>18(ii)</b> 59        |
| Wigmore Grange [L].....   | <b>18(iii)</b> 109, 117 |
| William Cunningham's 'Cosmographical Glasse'.....                               | <b>25(ii)</b> 8-10      |
| William Lumb of Swillington: Schoolmaster, land surveyor and dial designer..... | <b>29(iv)</b> 15-18     |
| William Watson of Seaton Ross (1784-1857).....                                  | <b>21(iv)</b> 6-9       |
| Window Reflections.....   | <b>24(iv)</b> 20-21     |
| Windvane Dials [L].....   | <b>22(iv)</b> 7         |
| Wolfson College Cambridge, Armillary Sphere.....                                | <b>14(i)</b> 43         |
| Wonky Sundials: Our Heritage – Safe in their Hands?.....                        | <b>32(i)</b> 10-11      |
| Wonky Sundial Corrected [L].....  | <b>32(ii)</b> 31        |
| The Woodchester Unicorn Dial.....   | <b>22(ii)</b> 41        |
| A World Sun Clock.....  | <b>26(i)</b> 26-31      |
| Wrapped up for the Winter.....  | <b>27(i)</b> 13         |
| Wren's Dial Remov'd.....  | <b>18(iv)</b> 149-155   |
| Wrest Park.....   | <b>18(iii)</b> 144      |
| Wrest Park again.....   | <b>18(iv)</b> 179       |

# Y

|   |                |    |
|---|----------------|----|
| Ye Newly Patented Sundyall Thief Catcher Mk 3 (Cartoon).....                  | <b>22(iii)</b> | 22 |
| Ye Sundial Booke, by Henslow – Illustration of sundial at Cookham, Berks..... | <b>25(i)</b>   | 47 |

## Z

|  |              |       |
|--|--------------|-------|
| The Zutphen Quadrant - A very early equal-hour instrument<br>excavated in The Netherlands..... | <b>26(i)</b> | 36-42 |
|--|--------------|-------|