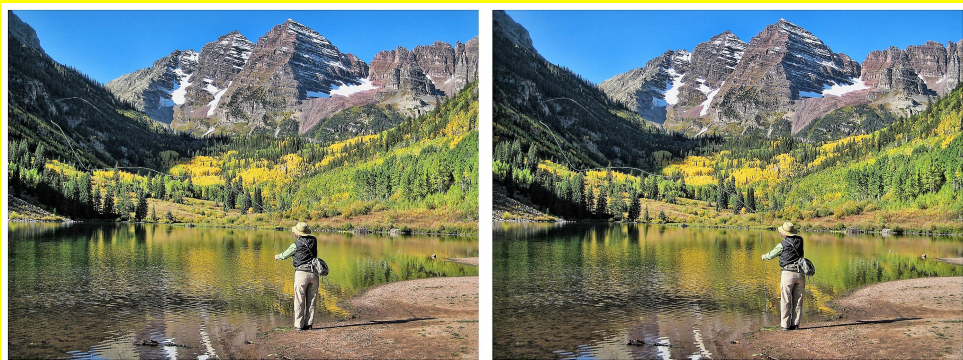




Journal of 3D Imaging



Number 218

Spring 2019

Who's Who

Member of *The International Stereoscopic Union*
Affiliated to *The Photographic Alliance of Great Britain*
The Photographic Society of America (Stereo Division)
The Stéréo-Club Français
Institute of Amateur Cinematographers

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Vice President Emeritus - Neville Jackson

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Coventry Projectionist - Greg Foster

Supplies Secretary - Colin Metherell

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London Projectionist - Mike Hillyard

Journal Back Issues - Vacant

Folio Group Secretaries

AV (Audio Visual Group) - Mike Hillyard

D (Digital Group) - Jack Colbran

NZ/UK (New Zealand) - Max Pow/Barry Aldous

P (Prints) - Brian Davis

VM (View Magic Prints) - Barry Aldous

Realist or RBT Format Transparency Groups

G - Ken Foord

O - Ken Foord

T - John Bailey

Folio Group Secretaries may be contacted via the **Folio Groups Coordinator** (address as above).

Honorary Life Members

Barry Aldous, Bob Aldridge, Pam Blake, Ken Foord,
Neville Jackson APAGB, Bernard Makinson, Donald Wratten APSA, LRPS

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Annual Competition – Winning Images

Front cover	1	Fishing in Colorado by Lee Pratt, winner Scenery and Overall Winner
	2	King of the Carnival by George Collin, winner People, Pets and Domestic Animals
Rear cover	1	Wells Cathedral by Nicolay Basov, winner Buildings, Inside and Out
	2	Ghostly Encounter by Ray McMillan, winner Creative and Imaginative
	3	Babcock Mill by Lee Pratt, winner Man-Made Objects

Comment

The images in this Journal return to the normal side-by-side layout.

The running order of the Runners Up and Commended images has been altered so as to make the best use of the space on the page

New Back Issues Secretary

John Peck

Roger Hill has very ably looked after requests for back issues of the Journal since he took over in July 2003, but he now needs to give up the position.

Is there anyone out there who would be willing to take on this job?

Contact Colin Metherell at chairman@stereoscopicsociety.org.uk to learn more.

Midlands Meeting Reports

5th January 2019

Francis Heath

Hosted by Francis Heath, this meeting had a good attendance, helped by some members coming up from London.

The first half was given over to *A Critique of Stereo Images*, and was much appreciated by those attending. A number of members from the local area who were attending, had been contacted and invited to bring up to ten digital images for a constructive critique. Geoff Ogram introduced us to the rules concerning window violation, with examples. Following this, Andrew Hurst showed the members' images, with further comments about windows from him and Geoff, plus a few from the audience.

Andrew, as the projectionist, also gave useful advice with demonstrations of the advantage of cropping images. This part was particularly appreciated, with some members commenting afterwards on how much they had learnt.

After a late tea break, Andrew projected a number of 3D AV videos from various clubs around the world and ISU.

Edinburgh Meeting Reports

Edinburgh based member Maciek Samulski organised the first of what is intended to be regular 3D meetings on 15 December 2018, lasting from 6pm until 8pm, with six people attending. It was held at the Cornerstone Centre, 3A Lothian Road, EH2 4BJ, just off Princes Street in the centre of Edinburgh. Subsequent meetings will take place on the 3rd Saturday of each month at this address. Details of these will be posted on Facebook and YouTube. Maciek has a plan for a future presentation of pictures from Antarctic, Gobi Desert and Nepal with live music.

London Meeting Reports

9th February 2019

Colin Metherell

The annual Show and Tell was chaired as usual by “Action Man” David Burder, who invited members present to display their latest gadgets and interests.



William Watling

First up was William Watling, a new member. Will demonstrated the “Looking Glass” a new glasses-free 3D system which appears to have some of the characteristics of a hologram; see <https://lookingglassfactory.com/>. His viewer, which looked like a lump of Perspex with some electronics on the back, was 21cm wide and displayed many rotatable images in 3D. The images appeared to be inside the Perspex. The device comes with software called *HoloPlayer* for imaging requiring up to 45 images of an object which are then processed and the output is fed to the viewer at 60 frames per second.

David Ford showed a clever way to hold 5 memory sticks; an old audio cassette box. He also demonstrated the Owl and Lite Owl viewers from London Stereoscopic Company.

David was followed by Terry Turnber, who showed his home-made beam splitter, based on the TriDelta principle. Terry said that he was guided by the late Eddie Butt. Terry’s unit fitted on the lens of a Sony digital camera and resulted in full-frame images, presented on the camera viewer as back to back images. He also showed a clever viewer which rotated the image through 90° so that a single image could be seen horizontally, but only in 2D. He sourced the prisms from Edmunds Scientific.

Mary Paul showed us the *Mission Moon* book co-authored by Brian May and also recounted the sorry story of how she damaged her DK World Y6 mobile phone with 3D screen. However, it was repaired thanks to a group known as the Reading Repair Café, who put Mary in touch with a repairer. The repair café also mended a dodgy USB connection on her Doogie Y6Max mobile phone. Mary informed us that Repair Cafés are now country wide and are staffed by volunteers who repair all sorts of equipment in return for a donation. (I’ve since discovered one in Cambridge.)



Terry Turner



Eric Jukes

Eric Jukes, who recently re-joined the Society, talked about an open source free Blender software film editor, which now can create 3D images including VR. See www.blender.org/download/ Eric had also been working to get his 3D TV and laptop to automatically switch to 3D mode. The video file, whether on disc or being uploaded to YouTube needs to have an appropriate "metadata" line of code inserted into the file by means of a metadata insertion tool.

Geoff Hallett demonstrated his Oculus Rift Virtual Reality headset attached to a powerful gaming laptop running a fully configured 3D flight simulator and full aircraft controls. Several members had a chance to fly it in the interval, while the rest of us guzzled tea and scoffed a few biscuits.

Colin showed some time lapse and underwater images both on the Society's 23" 3D monitor and on 3 different Smart Phones with 3D screens. He also had a few leaflets on taking 3D images with a Smart Phone to give away.

Tim Glover has found a very useful gadget, a 5.5mm diameter endoscope with good resolution, costing \$6 from China. He demonstrated it attached to a mobile phone and we could see 2D typed text very clearly. Tim is about to order a second one for live 3D imaging. The gadget is probably www.ebay.co.uk/i/302821741564, but how do you get live feed 3D video displayed apart from using two mobile phones in over and under configuration with appropriate glasses? Something for next year, perhaps.



Tim Glover

Bob Aldridge was up next; showing several z-bar and one straight coupling for twinned Samsung NX1000 cameras for 3D. He said that these high quality cameras and associated lenses from telephoto to wide angle are often available from online auction sites and showed a camera body with accessories that had been bought the previous week for just £39 including postage. Bob also mentioned a special type of solder (two versions of which - *Lumiweld* and *Alutite* can be bought online) for joining aluminium. This is almost impossible to do by normal soldering methods as the metal oxidises and the oxide film on the surface prevents any bond. Apparently, the trick is to scratch the oxide film off while the solder is molten on the surface of the aluminium being soldered. Very clever. Thanks for the tip Bob. He also mentioned his method of adding a tripod

bush, having discovered how difficult it is to tap a clean $\frac{1}{4}$ inch Whitworth hole directly into the aluminium. Bob now taps a $\frac{3}{8}$ inch Whitworth hole and superglues a $\frac{3}{8}$ to $\frac{1}{4}$ tripod adapter into the hole giving a good, strong attachment point.



Bob Aldridge

Readers might be interested in reading the following – Ed.

<http://www.oz3d.info/Articles/Samsung%20NX1000%20Twin%20Rigs.pdf>

<http://drt3d.blogspot.com/2016/10/twin-samsung-nx1000-for-stereo-ii.html>



David Burder with Momoko from Japan

Momoko Nishio, a visiting member from Japan, showed us a book of 3D images of Japan, which she donated to the Society, together with two very neat 3D viewers for use with mobile phones. She was given an animation lenticular ruler showing 5 differ-

ent animals in motion of 3D images by David Burder as a thank you for her presentation to us.

Bob Taylor followed with a pair of twinned GoPro Session 5 cameras, which he mounted on a home-made support. However, he experienced considerable synchronisation problems partly solved by aligning video clips in Magix, which utilises the audio component for this purpose.

Paul Gibbs demonstrated his DIY frame for a VR viewer, which solves the problem of users operating the side controls by mistake; his solution was to provide a handle like a Holmes viewer attached to an aluminium housing, still allowing access to all buttons, which enabled the virtual 360 degree 3D aircraft view to be passed round the room without being accidentally switched off.



Paul Gibbs



Harry Atkinson hiding behind a VR viewer

Mike Leader offered members some 3D Spec, old wired 3D glasses for free. Martin Williams mentioned his interest in astronomy and the possibility of obtaining time on a telescope in Spain in order to take 3D images of the moon taken over an interval of about 1 month in order to make up-to-date high resolution 3D images of the moon. It was first done in about the 1880s, but resolutions have improved since then. All agreed that this year's was an excellent Show and Tell meeting. There was a real buzz to the meeting, which was commented on by a visitor from the British Society of Underwater Photographers (BSOUP). Many thanks to all involved and apologies to any attendees if my summaries were not accurate.



Colin Metherell with Paul Gibb's VT
Images by David Burder and Colin Metherell.

2018 Stereoscopic Society Annual Exhibition and Competition Competition Secretary's Report

Mike Hillyard

Selectors: Colin Metherell (chairman), Roy Ashcroft, and Keith Webb

This year, 60 people entered the competition, an increase of 6 over last year. It was very gratifying that a number of entries were received from people who had never entered before and it is my sincere hope that they will feel that it was a rewarding experience and that they will enter again in future years.

A total of 311 images were judged with a maximum possible individual mark of 27. The statistics of the entries are given in the chart on the next page.

'# of Entrants' column gives the number of people entering that particular category and '# of Images' the number of images in the category. 'Average' gives the average of

all marks in that category and 'Maximum' the mark achieved by the winner of that category.

Category	#of En- trants	# of Images	Average	Maximum
Digital, People, Pets etc.	27	44	16	23
Digital, Scen- ery	31	40	16.2	25
Digital, Build- ings, Inside & Out	20	37	14.2	23
Digital, Crea- tive & Imagina- tive	15	24	13.4	21
Digital, Man- made Objects	34	49	15.1	21
Digital, Natural History	19	30	15.6	23
Common Theme Images	11	44	15.7	20
Prints	6	21	16.3	22
Slides	5	22	16.4	20

All categories have a winner and at least one runner-up. The mark for the Common Theme Images is based on the set of four images telling a news worthy story, or an example of life today.

Judging took place on Friday 15th February in Potters Bar. I would like to record my thanks to the panel of judges who were thorough and meticulous in their work; also to my wife Mary for her support on the day and throughout the Competition and Exhibition process. I would also like to thank David Ford for his help and advice throughout.

The Annual Exhibition AV shows will be available for the April Coventry and London meetings (full version) - also for the Convention (short version).

This year the judges were Keith Webb, Roy Ashcroft and Colin Metherell (Chairman). The judging was carried out at Mike Hillyard's house in Potters Bar, with refreshments kindly provided by Mary. Judging of digital images was carried out with a new procedure, suggested by Mike: we previewed all the images in each category for a short time, before starting the judging. This made assessing the individual images much easier, as we had a feel for the quality and type of images before judging commenced.

There were less window violations than in some previous years and overall the quality of the images was very good. However, getting 3 independent minded judges to agree on a particular image, was sometimes a little difficult. In many categories, majority votes had to be agreed. The task of judging was completed without recourse to violence, and the judges departed for their homes on the best of terms.

Results

People, Pets and Domestic Animals.

Winner King of the Carnival – George Collin, bottom image, front cover

Runners-up



Hippo-ray



Andrew Hurst



Through the Tube



Greg Foster

Commended



The Student



Cathy Ford



Tour Guide – Volos



Efstathios Zafrantzas



Left Behind



Andrew Bloxham

Scenery

Winner and overall winner
image, front cover

Fishing in Colorado – Lee Pratt top

Runners-up



Snowdonia National Park



John Nicholds



The Wye Valley, Derbyshire



Kevin Harve

Commended



Sunset over the South Downs



Bob Taylor



Tranquillity



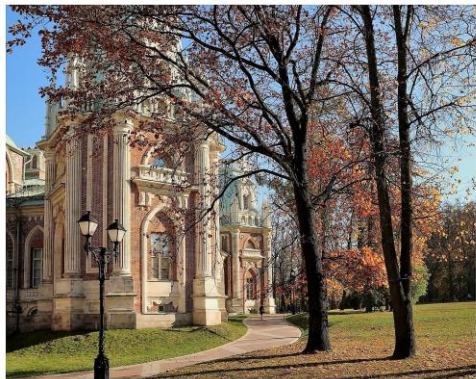
Bryan Dunster

Buildings, Inside and Out

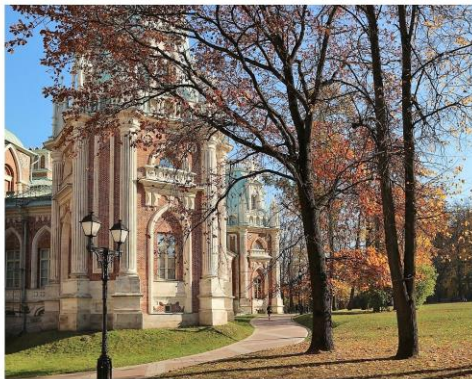
Winner

Wells Cathedral Nicolay Basov Top image, Rear cover

Runners-up



Autumn in Old Park



Nicolay Basov



A Seat Amongst Arches



Kevin Harvey

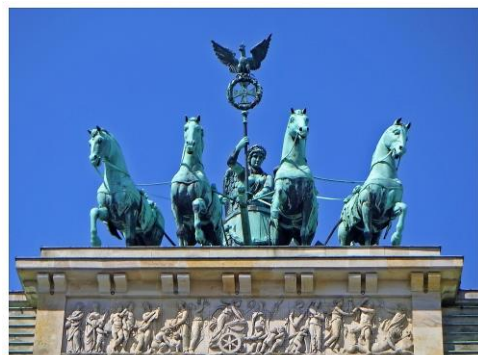
Commended



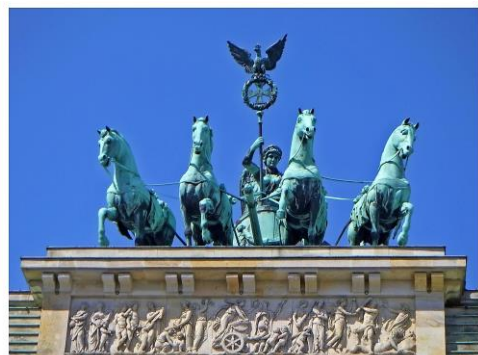
Children Playing Inside the Hive at Kew Gardens



Dana Kubick



Brandenburg Gate Quadriga



Andrew Hurst

Creative and Imaginative

Winner

Ghostly Encounter – Ray McMillan Centre Image, Rear Cover

Runner up



Praying Hands



David Kuntz

Commended



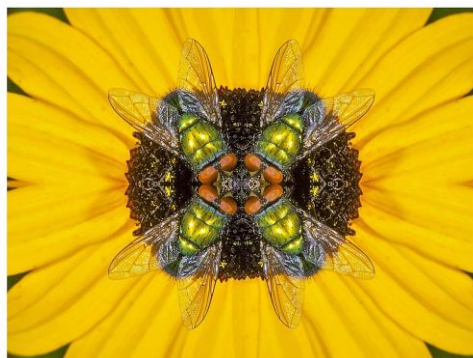
Trans-Concert



Lee Pratt



Synchronised Flying



Robert Bloomberg

Man Made Objects

Winner Babcock Mill Lee Pratt, Rear Cover, Bottom image

Runners up



Railroad Trestle



Lee Pratt



Smoke & Steam



Stephen O'Neil

Commended



Merry Maidens Sunrise



Anthony James



Dragon's Lair at Caerphilly Castle



Dennis Boersma



Imperial Red Cross Faberge Egg



Andrew Hurst



Pontcysyllte



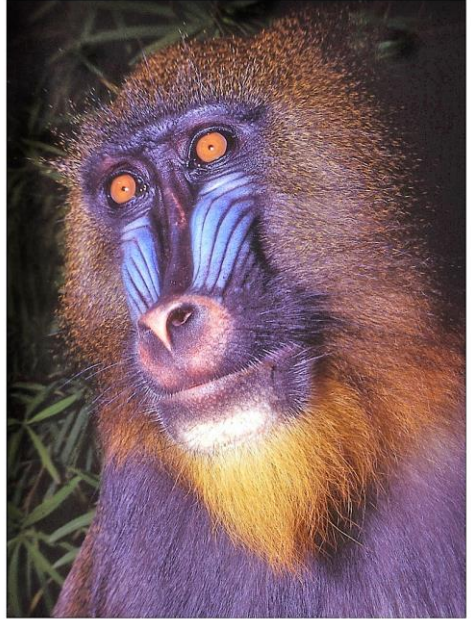
George Collin

Natural History

Winner



Azuma 2



Robert Bloomberg

Runners up



Nightmare



John Ralph



White-knee Tarantula



Robert Bloomberg

Commended



Owl Close Up



George Themelis



Green-veined White Butterfly on Viburnum



Bob Pryce



Kiss



George Themelis

Prints

Winner

Brian Davis



Kneelers – St James Church – Louth

Runner up

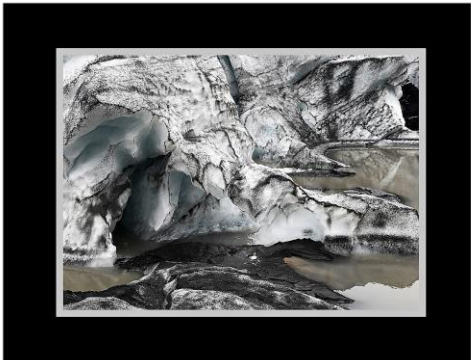


St Mart in's Church – Cwmyoy



Brian Davis

Commended



The Foot of the Glacier



Brian Davis



Long Gallery – Hardwicke Hall



Brian Davis



Bracklinn Falls near Callander

Maciej Samulski

Common Themes

Winner

Robin Williams



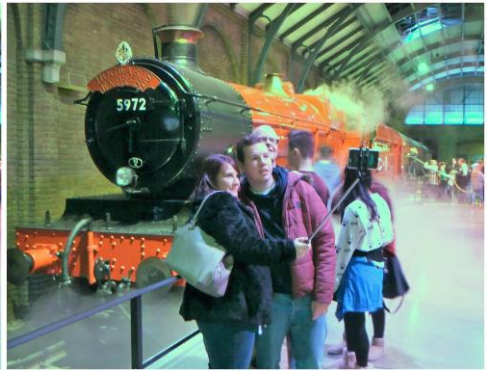
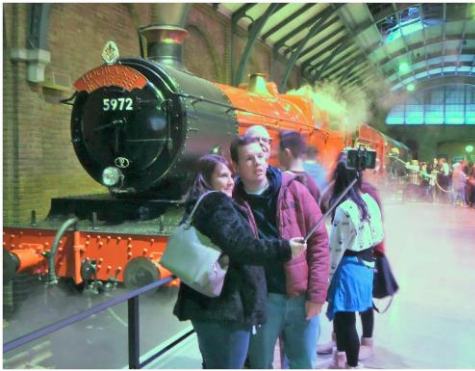
Selfie Mania - Another blooming selfie



Selfie Mania - Frog Chorus



Selfie Mania - Welcome to Madrid



Selfie Mania - Hogwarts Express Selfie

Runner up – John Ralph – Golowan Festival





Slides

Winner

Geoff Ogram



Tranquil harbour

Runners up



Vaulting – Aydon Castle



Carlton Willits



Admiring the View



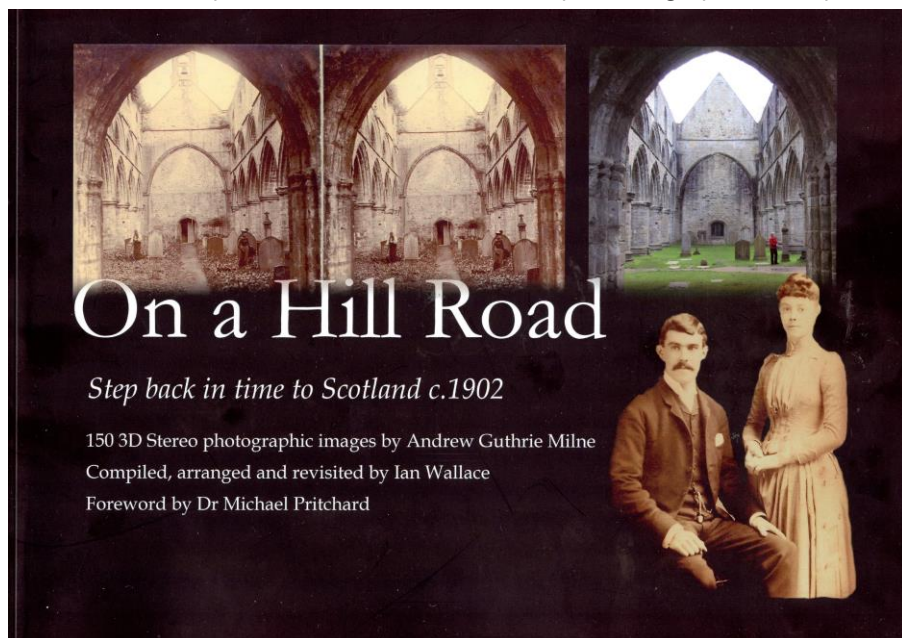
John Ralph

Book Review – On A Hill Road

John Peck

This book is a compilation of stereo photographs taken between 1902 and 1905 by Andrew Guthrie Milne. It has been written and published by the photographer's great nephew, Ian Wallace, and contains 132 pages in A4 landscape format with a soft cover, including a Loreo Lite viewer and instructions for its use. The introduction includes

biographical details of the photographer. We are fortunate that he recorded full details of not only the location of each shot on the rear of the stereo card, but also details of the camera, lenses, and exposure. A very brief description of how stereo photography works is included, but without reference to today's active 3D scene, and how readers, who may be new to 3D photography, might take and view their own 3D photographs. There is a foreword by Dr Michael Pritchard of the Royal Photographic Society.



During the period covered by the photographs, the Milne was working at Perth North railway station, and may have used this connection with the railway as an easy means of being of travelling around the North East of Scotland to take these thought-provoking photographs. A map showing the location of the images is included, but there is little evidence that he continued to be interested in photography after 1905, which is unfortunate, as his work compares very favourably with the best professional stereographic photographers of this time.

The stereo cards are presented in their original sepia colour at a slightly smaller size than originally produced, with either an enlargement of the original photograph, or a modern colour 2D shot of the location included next to the stereo pair showing just how some locations and ways of life have altered over the past 120 years. Grouping the images together according to location allows both the casual observer and the historian to appreciate the comprehensive details that are printed alongside.

This is a fascinating and enjoyable record of Scottish life at the turn of the last century, and in my opinion should be added to every collection of books on 3D. It is available from Amazon (enter On a Hill Road: Scotland in stereo 3D circa 1902 to go directly to the book), or from your local bookshop, or direct from the author www.onahillroad.com at the very reasonable cost of £17.50 plus £2.50 post and packing for addresses in the UK. Differing postage rates for overseas locations are also shown. The website also gives more details of the photographer, author, original camera, and lenses, together with the search for a similar camera and its subsequent repair.

The author has generously donated a copy of his book to the Society library.

A Preview to the “Mission Moon 3-D” Book

Harry Atkinson

I am interested in aviation, aerospace and astronomy, so I occasionally go into our local branch of W H Smith and look at the indexes of magazines such as *Flight*, *Sky and Telescope*, *Astronomy* etc. I did that in mid-December and immediately noticed the cover of the December 2018 issue of *Astronomy*.

<http://www.astronomy.com/issues/2018/december-2018>

The three highlights started with the Mission Moon 3-D on page 18 together with Brian May’s custom-made stereoscopic views on the same page. An interview by *Astronomy*’s senior editor Richard Talcott with the astronaut Jim Lovell about the Apollo 8 followed on page 28.

The 3D and 2D illustrations on page 18 looked very familiar. Earlier I had bought a copy of “Mission Moon 3-D” a book by David J. Eicher editor-in-Chief of *Astronomy* and Brian May, and I realised the article was an authorised précis of the *Mission Moon 3-D* book published by The London Stereoscopic Company Ltd.

<http://shop.londonstereo.com/BOOK-MM3-D.html>. The last page of the article on page 27 in *Astronomy* had a panel describing the book.

The table shows the comparison between the magazine article and the book.

	Article in Magazine	Book
Cost	£5.75 (cover price)	£30.00 (RRP)
No. of Pages	10	192
No. of 3D Images	7	157
No. of 2D Images	10	91

The 50th anniversary of the launch of the Apollo 8 flight on 21-Dec-1968 has recently passed. This was the first flight in which astronauts left an orbit of the Earth to circumnavigate the Moon, hence publication of the book at this time.

I was lucky to get a copy of the December 2018 issue of *Astronomy* because astronomy magazines are generally published approximately half a month ahead of the time and date-sensitive content of the magazine, e.g. meteor showers, eclipses, occultations, conjunction, etc. to allow astronomers to plan and execute their observations.

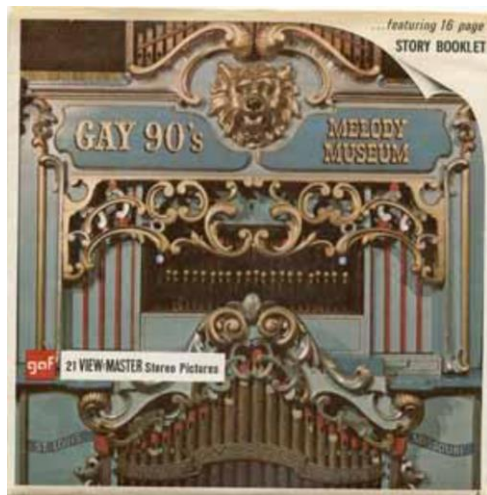
I recommend getting a copy of the December 2018 issue of *Astronomy* magazine if possible, and the book. The London Stereoscopic Company Ltd can supply new copies of the *Mission Moon 3-D* book if you are interested in astronomy or aerospace, and it may be available at reduced prices from online sellers.

Music in 3D – Continued

John Peck

In Journal 210, Spring 2017, I asked if anyone knew of Victorian stereo cards of fairs, fairgrounds, bioscope or fairground organs, circus performers, and circuses.

Mark Jefford from the Mechanical Organ Owners Society (MOOS) kindly contributed an article in Journal 212, Autumn 2017, detailing some of the stereocards that he had found.



Mark subsequently mentioned the View-Master viewer in the Mar/Apr 2017 MOOS newsletter, but at the time had not come across any 3D views of fairground organs. He eventually found details of a three-reel packet, number A452, showing automatic music machines in the Gay 90's Melody Museum, Missouri presented by Paul & Laura Eakins.

A 16-page booklet was included in the packet. The discs contained images 3D images of organs by Gavioli, Limonaire, Mills, Mortier, Seeburg, Wurlitzer etc.

Music played on these organs is available on CD from Chris Carlisle via the www.bandorganmusic.com website that also has a history of the (now closed) museum.

Does anyone in the society have a copy of these discs?

I was looking at the prism glasses that I had purchased from the Society when I had a thought. As made, the prisms simply bend the light so that prints with a wider than normal spacing to be viewed, but what would happen if the prisms were reversed.

Examination of the glasses revealed that the prisms slid from side to side in channels that are made by fixing extra pieces of plastic to the main frame of the glasses. As supplied the thick part of the prism is on the outside of each side of the faceplate.



Original version

Removal of these lower pieces is simple with a craft knife allowing the prisms to come free. Exchange right for left so that the deepest part of each prism is now near to the centre line of the glasses. A light application of epoxy glue will re-fix the bottom pieces in place.



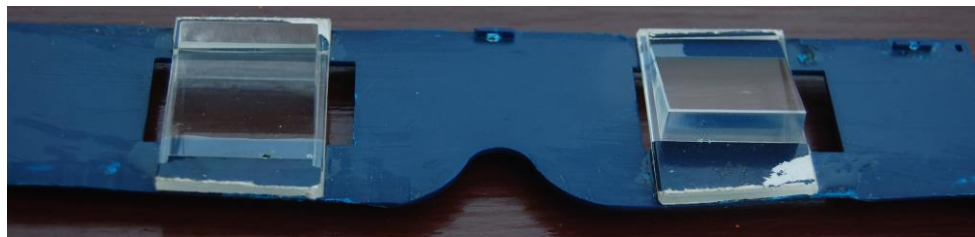
Altered version

Yes it did work! I can now view cross-eye images varying in size from 6 inches by 4 inches up to a full computer screen size.

Later I had another thought about my View Magic prints. Could I remove both the top & bottom plates, turn the prisms through 90 degrees, fix in place & view VM prints. The short answer was yes, after a lot of trial and error.

After removing everything from the faceplate, I put on the glasses, stood in front of a mirror with a ruler to measure my inter-ocular distance. I also made a mark on the face-

plate where the centre of each iris was, so that I could put the prisms in the line of my normal vision.



Over and under version for ViewMagic prints

I glued both prisms in place with 2-part epoxy glue, and put it to one side to dry overnight. It worked. Not pretty to look at, but a result.

I subsequently found a professional version of my homemade viewer called the KMQ viewer is available via internet suppliers.

Society Annual General Meeting 2019

The 2019 Convention will take place at the Mercure Dolphin Hotel, Southampton from the 3rd to 6th May. The AGM is planned to take place on Saturday 5th May, starting at 9:30 am. The Chairman will be standing down according to the Constitution. We also need nominations for the vacant position of Honorary General Secretary.

The following Committee members are eligible for re-election: Honorary Treasurer, Groups Coordinator, Webmaster, and Coventry Organiser. Nominations for these posts may be made to the Chairman either before the AGM or on the day.

For Sale

FujiFilm W3 Digital 3D Camera. Brand NEW - camera still factory sealed in bag.

Boxed with all accessories. £350

Contact: Andrew Hurst Tel: 07768 484971, andrew.hurst@assistpoint.co.uk

I am disposing of 3 splitters, on behalf of Stephen O'Neil, price £20 each, o.n.o.

These are splitters which will allow a laptop with a mini-display port to connect to dual displays (monitors or projectors) in Dual Mode (none of them supports extended desktop). One splitter (J5 Create) offers connection to the displays by HDMI cables, the other two (V.top and Gofanco) offer connection to the displays via Display port to HDMI cables. The functionality of all three is the same.

All three splitters are described more fully in Stephen's article in J 216, including the all-important requirement for the laptop to support mini-DP v 1.2

Anybody interested please contact me (Mike Hillyard) or Stephen by email
(m_j_hillyard@yahoo.co.uk s.oneil@gmx.ch

Gallery

The following images have been inserted simply to fill up the final page of this Journal. The Supplies Page will return in the next journal – Ed.



Fo(u)r Sale – actually five for sale



Still waters

