

Bleadon Photographic Group



Umbrella Girl by Mark Frisby

Club Programme 2023/24

Affiliated to the Photographic Alliance of Great Britain, through the
Western Counties Photographic Federation.

Cover Picture:

Umbrella Girl

Model: Tink

Tank with a Sony A7iv f5.6 1/100 ISO 200

Not a true silhouette as some details has been deliberately left in the image around the dress and face.

This was lit from a large studio light to disperse light evenly when directed onto a white background, this allowed strong light onto the subject from the rear to create the 'silhouette'.

Light overspill was controlled by 2 very large black boards, 'flags', on either side of the model to stop the light spilling into the unwanted area.

Photographer: Mark Frisby

Programme Index

Front cover	Winning image by Mark Frisby
Page 1	Index
Page 2	Welcome
Page 3	An Introduction to the Club
Page 4	Officers & Committee
Page 5 & 6	Competition Rules
Page 7	Monthly Competition Rules
Page 8	Annual Competition Rules
Page 9	External Competitions and Awards
Page 10	Programme notes
Page 11	Club Workshops
Page 12	September
Page 13	October
Page 14	November
Page 15	December
Page 16 to 19	Adverts
Page 20	January
Page 21	February
Page 22	March
Page 23	April
Page 24	May
Page 25	Special Outings / Workshops
Page 26	Useful Websites for Photographers
Page 27	Support Information
Page 28	Know your Metering Modes
Page 29	Depth of Field Guide
Page 30	Aperture; Shutter Speed & ISO Guide
Page 31	Histogram Explained
Page 32	Understanding Focal Lengths
Page 33	Kelvin Reference Chart
Page 34 & 35	The Photographers 600 Rule explained
Page 36	Neutral Density Filter Chart
Page 37	Cole Camera Repairs
Back cover	Affinity Photo

Welcome

Welcome to Bleadon Photographic Group. If you are a new member I hope you find us a friendly and welcoming bunch of photographers.

Last year, 2022 - 23 was a good year as we were finally able to return to some form of normality after the last few years.

Several members have been successfully showing their work at various regional and International Salons and Exhibitions. Work has been accepted at the WCPF members exhibition, The Bristol, Southampton, Cheltenham and Midland International Salons to name a few.

Please remember that we all share a passion for photography and that the group exists to help and support us.

I hope you all enjoy the programme.

Peter Otley LRPS, CPAGB, AFIAP
Chairperson

An Introduction to Bleadon Photographic Group

As a group we are now entering our 75th year. We aim to be a local, friendly group who promote photography within Weston and the surrounding area and photography and photographic skills to our members. To achieve this, we offer a mixed programme of talks, practical sessions – both with the camera, developing images and improving our analytical skills and finally competitions where we can “show off” our best work. We meet on a Tuesday at 7:30 at Coronation Hall, Bleadon (except the 3rd Tuesday in the month). Our aim is to provide an entertaining programme from which we all have opportunities to improve our photography.

The group was first formed in 1948 as the Weston-Super-Mare Cine and Camera Society, over the year the society, club group have met at 5 different venues around the town with the Coronation Hall, Bleadon being the latest and current venue, which in turn also led to current name.

Bleadon Photographic Group is a member of the Western Counties Photographic Federation, and through the WCPF are affiliated to the Photographic Alliance of Great Britain (PAGB) and ultimately FIAP. Each of these bodies offer support and events for the individual clubs and groups to participate in. Each organisation have websites that provide detailed information.

Officers & Committee

Hon. Life Members

C. Brown LRPS. DPAGB

Chairperson

Email - ottleygen@gmail.com

Peter Ottley

LRPS, CPAGB, AFIAP

HON. Treasurer

Email - t.hartgroves@sky.com

Trevor Hartgroves

Club Secretary

Email - brighteyedfrizz@yahoo.com

Mark Frisby

AFIAP, AWPF

Programme Secretary

Email - enquiries.bpg@hotmail.co.uk

Mark Frisby

AFIAP, AWPF

Competition Secretary

Email - michael.bryant@eagle-one.co.uk

Michael Bryant

Club Website; Programme & Workshops

Email - ijohnson@gordanoschool.org.uk

Ian Johnson

Club Website & Workshops

Email - itdm5j21@gmail.com

Ian Davis

Internal events organiser

Email - jasonbelcher@sky.com

Jason Belcher

Club General enquiries

Email - enquiries.bpg@hotmail.co.uk

Telephone - 01934 812573

Mark Frisby

AFIAP, AWPF

Club website:

www.bleadonphotographicgroup.co.uk

Members Area:

<https://bleadonphotographicgroup.weebly.com/members-area.html>

Password can be located inside the front cover

Competition Rules – General Rules

1. Bleadon Photographic Group (the group) internal competitions are only open to current Group members.
2. Images entered must be entirely the work of the photographer. The Photographer / Author holds the copyright of all the work submitted. An entry may be rejected if it does not conform or is deemed unsuitable.
3. Alteration and Computer Generation:
 - 3.1 Subject to Divisional restrictions (particularly Nature, Photo Travel, and Photojournalism) images may be altered, either electronically or otherwise, by the maker. Adjustments to enhance images or creatively modify images are allowed providing the underlying photograph is retained in a way that is obvious to the viewer. Images may not be constructed entirely with a computer and must be the sole work of the author. Images that include elements from any other source including royalty free images/clipart are not permitted.
4. Certification:
 - 4.1 By virtue of submitting an image, the member certifies the work as his or her own. Images may not incorporate elements produced by anyone else (e.g., clip art and images or art by others downloaded from the Internet).
 - 4.2 The member permits the group to reproduce all or part of the entered material free of charge for publication and/or display in media related to the group. This may include low-resolution posting on a website.
 - 4.3 The Group assumes no liability for any misuse of copyright
5. Method of Entry:
 - 5.1 All entries (digital and prints) must be uploaded to competition platform via the link:
<https://compent.photoentry.uk/compent/>
 - 5.2 Each member will be supplied with a user ID (usually "initial"+"family name" e.g. JBloggs).
 - 5.3 The member will also have a password for the platform.
 - 5.4 If the member has issues with the platform, please contact the Competition Secretary.

Competition Rules

6. Digital Images (and digital copies of print entries):
 - 6.1 Must be in JPEG file format and 10Mb maximum file size
 - 6.2 Maximum dimensions are 1400 pixels wide x 1050 pixel tall (note for portrait orientation maximum size of long side is 1050 pixels)
 - 6.3 Colour profile should be sRGB IEC61966-2.1 (the system will correct to this if a different profile is used) If a different profile is used the club cannot guarantee that colour reproduction of the image used matches the members original.
 - 6.4 Must be titled (A maximum of 50 Characters is allow – Standard English Alphanumeric characters, space, and special character's i.e. **.,!-%()** all other special characters are not permitted. The members name or membership number are not required (members id is handled by the platform)
 - 6.5 Members should check on the platform after loading the images that they have been correctly uploaded, and errors must be reported to the Competition secretary before the submission deadline.
7. Prints:
 - 7.1 Digital copies must be submitted on the competition platform.
 - 7.2 Prints must be handed in on or before the deadline usually at a group meeting (or delivered by prior arrangement to the competition secretary before the competition deadline).
 - 7.3 Prints must be mounted in mounts no larger than 400mm x 500mm with the print being securely attached to the mount and free from any sticky or other material that could damage other prints (ideally the mount should be 400mm x 500mm)
 - 7.4 The print should be labelled on the back with the print title, Presentation sequence number (from the digital platform) and membership number and indicate its orientation.
 - 7.5 The front of the image shall be free of any titles, awards, or other identification
8. External inter-club competitions:

By entering an image in an internal competition, the member grants the club permission to use the image in any interclub competitions the club may enter or organise (for example WCPF DPIC)

Monthly Competition Rules

In addition to the general rules:

1. The monthly competition is a series of between four to six rounds held during the membership year with the overall winners being the highest point scorers during the year.
2. For each round a member may enter 2 prints and 2 DPI Images – all images are of an open category and may be either colour or monochrome.
3. Any single image or a very similar copy (e.g., colour vs Monochrome, print vs dpi as two examples) that has been placed 1st, 2nd or 3rd cannot be used in any subsequent rounds of that years or any future monthly competitions. An unplaced image or near copy can be entered a maximum of 3 times as long as its not placed in any later rounds or competitions.
4. The members are split into two sections “Advanced” and General
 - 4.1 The “advanced” section will be comprised of members who are previous winners of the General category, have been awarded a recognised accreditation (for example from the RPS or FIAP), or at the discretion of the Groups committee – members can request that they moved to this group in this case they should present 5 representative images for consideration.
 - 4.2 The “general” section will be other members.
 - 4.3 The committee can also reassign members to the general section from the Advanced section to readjust the numbers in each section this will done based on past results and activity.
 - 4.4 Changes will only be made at the start of each competition year.
5. The highest point scorer in each group ‘General’ and ‘Advanced’ will receive an awarded at the end of the year.
6. Points will be awarded as:

1st Place	7 points	Highly Commended	4 points
2nd Place	6 points	Commended	3 points
3rd Place	5 points	Unplaced entries	1 point

Annual Competition Rules

1. At the end of each membership year a separate Annual competition will be held.
2. All the members will form a single section
3. It will usually have 2 categories – DPI and Prints
4. Each member may enter a maximum of 2 images in each category. Images used and placed in Monthly competitions can be entered in this competition.
5. The judge will then select the best image from the winning DPI and Print categories, this image will then be printed on the front cover of the Program (Or if program is not printed it will be prominently displayed on the Groups web site).

Other competitions and images for interclub competitions:

From time-to-time extra competitions will organised by the group (for example a panel competition). The general rules in section 1 will apply along with any detail entry requirements issued by the group when the competition is announced.

The competition platform will also be used when the group requests images to be submitted for potential entry as part of club entry to interclub competition such as the WCPF DIPIC competition.

Updated 12th July 2022

External Competitions and Awards

One way to improve our photograph skills is to accept the challenges involved in working towards awards and accreditation such as those from the Royal Photographic Society. We can also gauge our improvement by entering external Photographic competitions. The group can help members in the process.

Bleadon Photographic Group

Will enter the WCPF Inter Club Championships (formerly known as DPIC and Inter-club Print) February 4th 2024. Our entry needs to be finalised by December 31st 2023.

If we have 5 volunteers, we can also enter the Kingswood Salver competition

Individually

You can enter the WCPF Knighthayes Trophy – A themed print competition, entries are handed in by the Group at the WCPF Inter Club Championships, or even consider entry in the AV competition.

Details of all of these competitions are available on the WCPF website: <https://www.thewcpf.com/competitions>

Or try entering the WCPF members competition – again detail will be on the WCPF Website and the group will collate and deliver the entries to the WCPF. Or finally even look at the BPE exhibition circuit and FIAP recognised Salons - such as the Bristol international . Details of both options can be found on the WCPF website: www.wcpf.org.uk . Or www.fiap.net for FIAP salons.

Accreditations / Awards

:Why not work towards a PAGB award or RPS Accreditation. Details of these are available on the PAGB website: www.thepagb.org.uk or the WCPF website <https://www.thewcpf.com> and for the RPS: <https://rps.org/> . If we have sufficient members interested, we will organise support for the members through this process.

Programme notes

The front cover features the winning photograph from the 2022 / 23 Annual Competition by Mark Frisby. As a challenge for 2022 / 23 your photograph could be the cover photograph for next year!

The challenge therefore is firstly to enter the competitions and then secondly hopefully win!

The rest of the booklet retains the same format as in previous years it contains general club information, a weekly schedule of meetings, adverts including discount codes and finally some general photographic reference material.

The programme of weekly meetings contains a mix of talks that will hopefully inspire you, competitions – you are encouraged to enter them – the judges will provide both an entertaining evening and valuable feedback about your photographs and workshops, these are an opportunity to learn and improve on a range of photographic techniques.

Remember if you have any questions please raise them if it is a photographic query, I am sure we can as a group help, similarly if you need any help for any of the competitions please ask. If it is concern about the group please ask a committee member and we will answer your concern.

Please make the group a success by joining in, come to the workshops and learn by participating, enter the competitions, this is an incredibly good way of getting your work assessed and critiqued, this will help you improve.

Think of Bleadon Photographic Group as your own photographic self help group, by contributing and participating you will both improve your photography and help other improve as well.

Finally and most importantly enjoy photography it is an art, it is creative, you are creative, it is fun and above everything else the most important piece of kit you have and use is not the camera, the printer or computer it is the thing behind the camera – YOU!

Club Workshops

The Club workshops this year cover a range of photographic techniques both camera, processing and presentation of the finished article. They have been designed by a group of members to offer variety in content and will help everyone to acquire new skills and should help in providing interesting challenges to all of us.

Each workshop has a summary about the evening including a suggested list of equipment required for the evening.

The normal requests are that you bring a camera with a 'standard' focal length lens (e.g. covers the range 30 – 80mm or is a fixed focal length (35, 50mm or 85mm) also possibly a Tripod and a remote shutter release.

If its a 'Challenge Workshop' the club supply some laptops for the evening. They have the following editing packages installed Affinity Photo & Adobe Photoshop. If you want to bring along your own Laptop if you use a specific software package please feel free to do so.

Please remember that the lighting, props and other items used during workshops have been lent to the group by other members so please handle them with care.

September

05/09/2023

Welcome Back - Introduction Evening

Bring images taken during the summer break to share and enjoy. Subscriptions for the New Season are due at this meeting (or your first week back)

Hand in prints for the September Competition.

12/09/2023

Talk/group activity: To be announced

The talk or activity to be announced.

19/09/2023

Committee Meeting

26/09/2023

Monthly Competition - No Theme

Steve Field, will be the guest judge for this evening.

Steve is a relatively new judge on the WCPF panel and judged for us in the 2022 season. He is a member of Bristol PS and below is from the WCPF list:

I have eclectic interests, and I am always trying new genres to improve my photographic range. Whilst B&W is my go-to format, I am enjoying the challenges of studio, creative, sport and nature. I am a "Salonist" with moderate success, retirement has allowed me to focus on my passion and take my photography to new levels.

October

03/10/2023

Workshop: Introduction to Darktable Software

Darktable is a free open-source photography program & raw developer. It comprises of subset of image editing operations specifically aimed at non-destructive raw image post-production.

10/10/2023

Talk/group activity: To be announced

The talk or activity to be announced.

17/10/2023

Committee Meeting

24/10/2023

Talk/group activity - Peter Elston LBIPP LRPS

During COVID19 I revisited a book I was writing about my work in photography. I called the book "My Photographic Journey" and it covers from when I left school until I retired 13 years ago. Unfortunately I have never got around to publishing it.

I have spent over 50 years in photography mainly as a photographic technician from B/W to colour. As a photographic technician I gained a LBIPP and LRPS in the eighties and won numerous awards in competitions from Kodak and Ilford.

There are many twists and turns some photographs have never been seen before and stories never told until now.

The Talk I hope brings together photographs and social history in what was a ever changing career and to which I was a part.

31/10/2023

Monthly Competition - No Theme

Linda Meaton, will be the guest judge for this evening.

Linda is a new judge on the WCPF panel and judged for us in the 2022 season. She is a member of Lincombe Barn CC and her current interests include sports photography. More details about Linda's work can be found on lindameaton.co.uk

November

07/11/2023

Workshop: Long Exposer

The workshop tonight is to talk about Long Exposer Photography.

We will be looking how to do long exposers without using 'Filters'.

Weather permitting part of the evening will be outside.

Kit required - Camera; Tripod Remote trigger (not essential)

14/11/2023

Guest Speaker - Janet Miles LRPS, CPAGP, BPEZ, AFIAP, The Guild qualified

Photography is Janet's passion. Looking at the world through a lens makes you see in a totally different way. It makes you stop and pay attention to the details that may otherwise pass you by.

21/11/2023

Committee Meeting

28/11/2023

Monthly Competition - No Theme

Jay Hallsworth, will be the guest judge for this evening.

Jay is a new member on the WCPF panel and judged his first competition at BPG last season. He is a member of Bristol PS and below is from the WCPF list:

My photographic interests are quite varied. I enjoy long exposure land and seascapes, underwater photography as well as studio portraiture. I tend towards a rather visual, creative/artistic approach in my own work, but also love looking at documentary images, especially ones with a historical or personal significance.

29/11/2023

Bring in Pictures for the DPIC selection

Western Counties Photographic Federation Digital Images Competition (DPIC).

Help us to select the best entries for this prestigious competition this is your chance to critique and vote. The Club will submit the best 18 pictures with a maximum of 4 from any one photographer.

December

05/12/2023

Workshop: Simple Creative Lighting

The aim of this evenings workshop is to give you some simple lighting ideas to accentuate items/products. No special lighting is required, most items used can be found around the home.

How to wrap light around an object

How to add a touch of bling or drama to a object

How to add simple colour effects to an object

After we have had time to experiment I will demonstrate how to change the applied colour very simply within Photoshop (the principle is exactly the same within most editing packages)

12/12/2023 ~ 02/01/2024

Closed for Christmas Break

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6 x 4	152 x 102	£0.18	8 x 8	203 x 203	£0.42
7 x 5	178 x 127	£0.22	10 x 10	254 x 254	£0.68
7.5 x 5	191 x 127	£0.24	11 x 11	279 x 279	£0.88
8 x 6	203 x 152	£0.38	12 x 12	305 x 305	£0.98
9 x 6	228 x 152	£0.42	Panoramic Prints		
10 x 7	254 x 178	£0.58	Size (Inches)	Size (mm)	Price
10 x 8	254 x 203	£0.58	10 x 5	254 x 127	£0.61
12 x 8	305 x 203	£0.67	12 x 5	305 x 127	£0.98
12 x 9	305 x 228	£0.70	14 x 8	356 x 203	£1.07
12 x 10	305 x 254	£0.80	15 x 5	381 x 127	£1.17
14 x 10	356 x 254	£1.10	15 x 6	381 x 152	£1.32
14 x 11	356 x 279	£1.10	17 x 6	431 x 152	£1.55
15 x 10	381 x 254	£1.10	18 x 8	457 x 203	£2.05
16 x 12	406 x 305	£1.25	20 x 8	508 x 203	£2.45
18 x 12	457 x 305	£1.35	20 x 10	508 x 254	£2.75
A5	210 x 148	£0.38	24 x 12	610 x 305	£3.65
A4	297 x 210	£0.85	30 x 10	762 x 254	£4.30
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Adverts

Weston Super Frames

Welcome To Weston Super Frames

We have been successfully trading since 1976 and our gallery is situated on the Locking Road in Weston Super Mare, Somerset. Here we offer a comprehensive framing service at very competitive prices as well as a large range of artwork and mirrors.

As a main stockist of all the major print publishers we have access to hundreds of highly desirable images by all the leading artists. We also stock a large range of canvas images as well as our very popular local scenes.

If you are shopping for a mirror you will find hundreds of different styles and sizes within the site and as a manufacturer we can always make you something to your own individual requirements.

Due to the recent addition of a state of the art computerised mountcutter we now offer wholesale mounts to the public. We can manufacture any size and quantity with our most popular sizes available through both our website and our Ebay store as well as our newly launched dedicated picture and photo mounts website. This can be found at www.picturemountsonline.co.uk.

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Adverts

Your Website Galley

Help promote the club by showing off some of your Photos.

Email your images to ian@igjohnson.plus.com where your images will be resized & posted on your personal BPG Members Gallery.



January

02/01/2024

2023 Christmas Break - No Meeting

09/01/2024

Workshop: Introduction to Photoshop RAW Editor

Tonight I will be demonstrating Photoshop's RAW editor.

- ◆ Setting the correct White Balance on a single or multiple images.
- ◆ Removing blemishes in RAW.
- ◆ Correcting Shadows & Highlights in RAW.
- ◆ How to do selective Sharpening in RAW.
- ◆ How to apply an edited photos changes to multiple images.
- ◆ All the above are non-disruptive to the original image

16/01/2024

Committee Meeting

23/01/2024

Talk/group activity: To be announced

The talk or activity to be announced.

30/01/2024

Monthly Competition - No Theme

Steve Hallam, will be the guest judge for this evening.

February

06/02/2024

Workshop: Editing in Photoshop

Tonight I will be demonstrating Editing Photoshop.

Working with Layers

Removing items from a photo

How to straighten an image or items within an image

Correcting colours.

How to change an items colour i.e. take a car

13/02/2024

Guest Speaker - Linda Meaton

Linda's worked for many years as a college and university lecturer on computer-aided design and visualisation courses. In 2014, I retired and embarked on a well-earned cruise around the Virgin Islands. Passing a local shop, I saw a camera on offer and decided, I've still no idea why other than it was a bargain, to buy it. Little did I know, I was taking my first steps on a long and fruitful photographic journey. Her influences include Henry Cartier-Bresson, Robert Capa, Yousif Kirsh and Lee Miller. These are famed photographers whose black-and-white images use light, subject and space to catch that moment in time that tells the story.

20/02/2024

Committee Meeting:

27/02/2024

AGM:

Please come along and support your Club

March

05/03/2024

Workshop: Photographing Water Behaviour

The conception of this workshop is to photograph water.

The evening will comprise of different water activities, each station will be delivering different water behaviours for you to try your hand at capturing.

For this evening event you will require the following kit:

Camera

Fast Lens (1.2 ~ 3.5)

Flash

Tripod

12/03/2024

Talk/group activity: To be announced

We are still waiting on confirmation

19/03/2024

Committee Meeting

26/03/2024

Monthly Competition - No Theme

Grete Howard, will be the guest judge for this evening.

Grete is a relatively new judge to the WCPF panel and has not judged for BPG before. She is a member of Backwell CC and below is from the WCPF list:

While I am keen to pursue a number of different photographic genres rather than being pigeonholed, my three main interests are travel, wildlife, and making creative images (either in camera or using Photoshop).

April

02/04/2024 Workshop: Multiple Exposers

All our cameras are capable of taking Multiple Exposers. Tonight we will be looking at how to use this function within digital photography.

PLEASE research how to setup your cameras before the evening.

Kit required: Cameras & Manuals or Know how...

09/04/2024 Talk/group activity: To be announced

We are still waiting on confirmation

16/04/2024 Committee Meeting

23/04/2024 Talk/group activity: To be announced

We are still waiting on confirmation

30/04/2024 Monthly Competition - No Theme

'Judge TBC'

May

07/05/2024

Workshop: Time Lapse Photography

Tonight's workshop we will be looking at Time Lapse photography.

Kit required: Cameras & Manuals or Know how...

14/05/2024

Talk/group activity: To be announced

The talk or activity to be announced.

21/05/2024

Committee Meeting

28/05/2024

Annual Competition - Sue O'Connell & Peter Brisley

Sue and Peter judge as a husband and wife team, both are members of the WCPF panel. Peter is a member of Bristol PS, he specialises in Travel Photography and particularly enjoys monochrome.. Sue was a finalist in the Travel Photographer of the year Competition 2022 and has won awards in Travel, Nature, Monochrome and Photojournalism.

TBA

Members end of Season Event

End of Season Event for Members and Partners. Please be prepared to bring food and drink to share. Full details to be advised nearer the date.

Special Outings / Workshops

TBA

Special Outings

Once again this year there will be extra curricula activities/outings during and outside of the club calendar events.

Full details of these events as they develop will be published on the BPG WhatsApp Group. Each event will include dates; times and fees (if any).

All members are permitted and encouraged to add posts if you think it would be of interest to other BPG Members.



Useful Websites for Photographers...

1. U.K. Photographers Rights. Know YOUR rights to use your camera in public places. An Essential guide. Download the PDF file from here...
www.sirimo.co.uk/ukpr.php
2. Excellent site for 'How to use your camera' and 'Photoshop Tutorials'.
www.cambridgeincolour.com/tutorials.htm
www.photoanswers.co.uk/Home/
3. For free calibrating tests of your LCD monitor try...
www.lagom.nl/lcd-test/
4. For using the Colour Wheel try Martin Bailey's implementation of Jemima Pereira's Colour Wheel.
www.martinbaileyphotography.com/colourwheel.php
5. For selling photographs, printing and buying etc.
www.redbubble.com/ or www.photobox.co.uk/
6. For inks, batteries, paper etc. etc.
www.premier-ink.co.uk/
www.7dayshop.com/
www.xlshop.com/
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www.microdirect.co.uk/
10. For computer repairs or other local services
www.accessplace.com/computer-system/avon/weston-super-mare.htm
11. And if all else fails!!
www.pcwb.com/ (P.C. world business site)
www.ukdigitalcameras.co.uk

Also see The Western Counties Royal Photographic Society.
www.thewcpf.com
www.rps.org

Support Information

Photo editing software (Free Software):

- ◇ paint.net
www.getpaint.net/download.html
- ◇ Image and Photo Viewer
www.exifsoftware.com
- ◇ Photoscape
www.snapfiles.com/get/photoscape.html
- ◇ PhotoFiltre
<http://photofiltre.en.softonic.com>
- ◇ Panorama photo stitcher
www.serif.com/free-panoramic-photo-stitching-software
- ◇ Rawtherapee - RAW Photo Editing Software
<http://rawtherapee.com/downloads>
- ◇ GIMP - Photo editing Software
www.gimp.org/downloads
- ◇ Serif products
www.serif.com/
- ◇ FastStone MaxView
www.faststone.org/

Know your Metering Modes

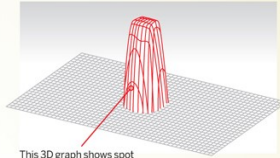
At-a-glance guide to metering modes

How each of the metering patterns works, and when to use them

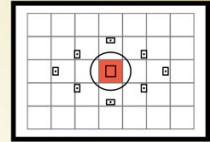


Spot metering

Spot metering only measures the intensity of light over a small circular area in the centre of the viewfinder. The average is then calculated by measuring just 2-4% of the picture area.



This 3D graph shows spot metering's central bias

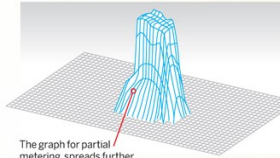


The centre circle in the viewfinder gives a rough guide to a spot meter's coverage

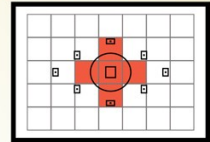


Partial metering

This metering mode measures the intensity of the light over a larger circular area than in Spot mode. The average is then calculated by measuring 8-13% of the picture area.



The graph for partial metering spreads further across frame

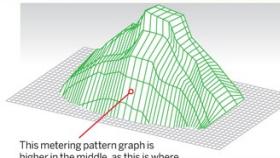


The coverage of the partial meter spreads out slightly beyond the viewfinder's centre circle

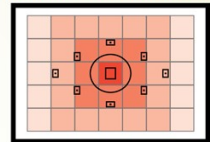


Centre-weighted average metering

This light metering mode measures the light across the whole picture area, but strongly biases the reading to the centre of the viewfinder area. Unlike with Evaluative, it does not take the focus into account, so uses the same averaging pattern for every shot.



This metering pattern graph is higher in the middle, as this is where the meter concentrates its attention

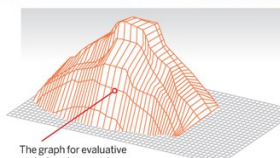


Main metering zone is bounded by the seven central focus points (SLRs with nine AF points)

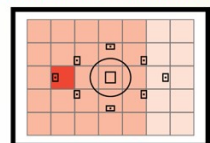


Evaluative metering

The default metering mode on many DSLRs, and the only option if you choose one of the basic automatic exposure modes. Measures light across the whole frame, but strongly biases the reading to the area around the autofocus point currently being used.



The graph for evaluative metering changes shape, depending on where the subject is



Main zone of interest will depend on which of the autofocus points has been used

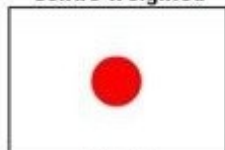
Metering Modes



Centre-weighted



Spot



Partial



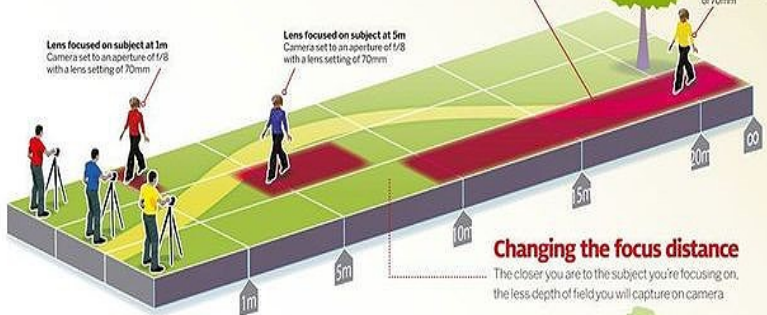
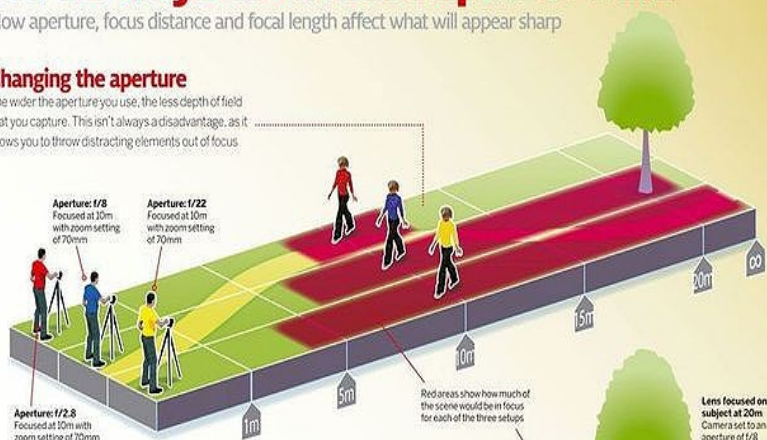
Evaluative

Three ways to affect depth of field

How aperture, focus distance and focal length affect what will appear sharp

Changing the aperture

The wider the aperture you use, the less depth of field that you capture. This isn't always a disadvantage, as it allows you to throw distracting elements out of focus.

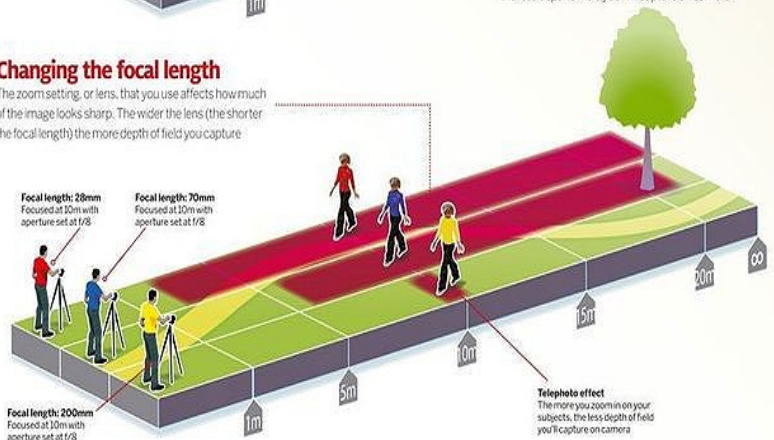


Changing the focus distance

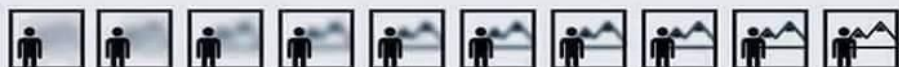
The closer you are to the subject you're focusing on, the less depth of field you will capture on camera

Changing the focal length

The zoom setting, or lens, that you use affects how much of the image looks sharp. The wider the lens (the shorter the focal length) the more depth of field you capture



Aperture; Shutter Speed & ISO Guide...



1/1000 1/500 1/250 1/125 1/60 1/30 1/15 1/8 1/4 1/2



ISO 50 ISO 100 ISO 200 ISO 400 ISO 800 ISO 1600 ISO 3200 ISO 6400 ISO 12800 ISO 25600

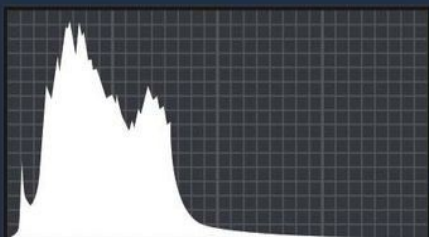


Histogram Explained...



UNDEREXPOSED

Difficult to recover in post process. Results in overly noisy photographs. Avoid underexposure at all costs. Use a lower f/number, or lengthen the time the shutter is open.



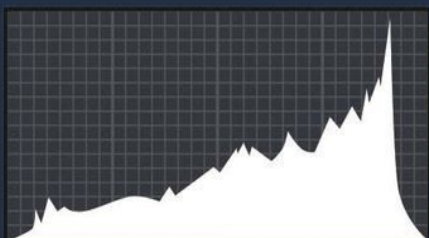
EXPOSED TO THE LEFT

Generally acceptable, most common nightscape exposure with standard settings. Photo may get noisier if pushed in post process. Use a lower f/number or shutter speed if possible.



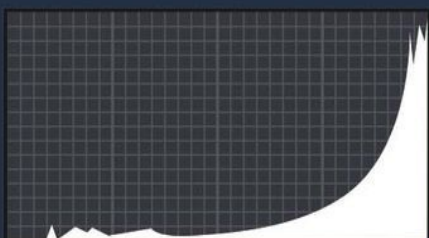
NEUTRAL EXPOSURE

Safest exposure. Results may appear brighter than natural in the camera but can be easily pulled in post process. No need to change any settings.



EXPOSED TO THE RIGHT

Best choice for the lowest noise but requires care not to overexpose. Results will look overly bright in the camera but can be easily corrected in post process.



OVEREXPOSED

Difficult to recover in post process if highlights are overblown. Rarely occurs unless affected by moonlight or extreme light pollution. Use a lower ISO setting if overexposed.

Understanding Focal Lengths...

Wide-angle to telephoto

Understand the difference between focal lengths, from 10mm to 400mm

Your lens focal length affects the angle of view you can see through your camera's viewfinder. To really see the difference focal length can make to the angle of view, it's good to compare a sequence of shots of the same subject taken at different focal lengths. See our examples for how much or how little of the scene you can capture in your frame, depending on your effective focal length (EFL).



125mm (EFL: 200mm)



35mm (EFL: 55mm)



11mm (EFL: 18mm)



400mm (EFL: 640mm)



200mm (EFL: 320mm)



55mm (EFL: 90mm)



18mm (EFL: 28mm)

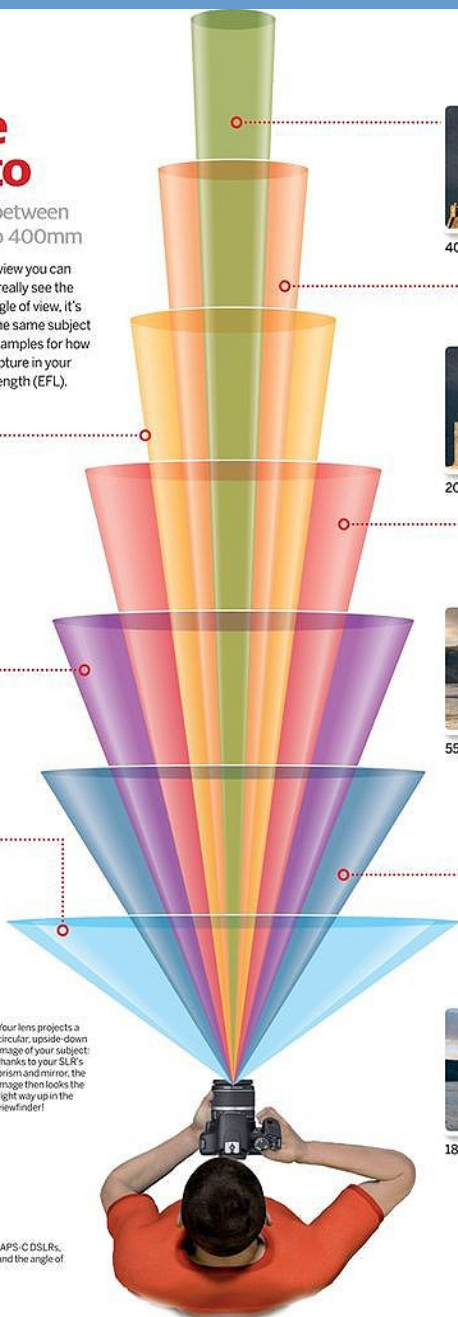
Effective Focal Length (EFL)



The view on a full-frame camera (sensor size: 36x24mm, same size as 35mm film).

The cropped view on APS-C DSLRs; the EFL is increased and the angle of view decreased.

Your lens projects a circular, upside-down image of your subject; thanks to your SLR's prism and mirror, the image then looks the right way up in the viewfinder!



Kelvin Reference Chart

Colour of Light

KELVIN REFERENCE CHART

DEEP
SHADE

9000K

LIGHT
SHADE

7500K

DAYLIGHT,
CLOUDY

6000K

NEUTRAL
DAYLIGHT

5500K

TWILIGHT/
MOONLIGHT

4000K

STANDARD
LAMPLIGHT

2800K

SUNRISE/
SUNSET

2500K

The Photographers 600 Rule explained

There are a lot of rules in the world of photography.

I'm sure you know a few; from composition rules like the rule of thirds or using leading lines, the reciprocal rule, etc.

You might think that absolutes generally have no place in the creative realms and you would be right to think so.

But there is one rule that can be especially useful when shooting on a starry night, especially if you want to include the Milky Way in your composition.

This rule can enable you to shoot images like this one, for example:



Nope! That's not some Photoshop trickery.

The Photographers 600 Rule explained

The rule I'm referring to is called **the 600 Rule**.

It's based on motion as it relates to time and becomes very useful for long exposure night photography when the stars become part of your composition.

The 600 Rule allows you to quickly calculate the maximum exposure time that you can employ without producing noticeable star trails at any given focal length.

Note that the formula is for full-frame cameras (and we assume you also use a tripod). If you use a crop-sensor camera, you'd need to adjust the formula to take that into account. For example, if your camera has a 1.5x crop factor (Nikon), try replacing "600" with "400". A 1.6x crop factor (Canon) would mean going from "600" to "375".

So, the formula goes like this:

$600 / \text{focal length of your lens in mm} = \text{shutter time in seconds}$

If you are shooting at a 100mm focal length, then your maximum shutter time would be:

$600 / 100\text{mm} = 6 \text{ seconds until star trails}$

For a 12mm focal length, it becomes:

$600 / 12\text{mm} = 50 \text{ seconds until star trails}$

At 50mm, the formula states:

$600 / 50\text{mm} = 12 \text{ seconds until star trails}$

You get the idea. Take **600** and **divide it by your selected focal length** to get the approximate exposure time.

The 600 Rule becomes extremely useful for images where you want to include the Milky Way or other fixed astral subjects as part of your image.

The 600 Rule gives you the ability to use your lowest ISO setting, which reduces image noise and also gives you relative control of the effects of astral motion.

It allows you to quickly get an ISO and aperture based on an acceptably precise shutter speed.

Really, you're just compensating for the movement of an entire planet.

Neutral Density Filter Chart

FILTER	Optical density	Light reduction in stops	SHUTTER SPEED CONVERSION									
			1/4000 sec	1/1000 sec	1/250 sec	1/60 sec	1/15 sec	1/4 sec	1 sec	4 secs		
NO FILTER	0	0	1/4000 sec	1/1000 sec	1/250 sec	1/60 sec	1/15 sec	1/4 sec	1 sec	4 secs		
ND2	0.3	1	1/2000 sec	1/500 sec	1/125 sec	1/30 sec	1/8 sec	1/2 sec	2 secs	8 secs		
POLARISER	Up to 0.5	Up to 1 2/3	1/1250 sec	1/320 sec	1/80 sec	1/20 sec	1/5 sec	1.3 secs	3 secs	13 secs		
ND4	0.6	2	1/1000 sec	1/250 sec	1/60 sec	1/15 sec	1/4 sec	1 sec	4 secs	16 secs		
ND8	0.9	3	1/500 sec	1/125 sec	1/30 sec	1/8 sec	1/2 sec	2 secs	8 secs	30 secs		
ND16	1.2	4	1/250 sec	1/60 sec	1/15 sec	1/4 sec	1 sec	4 secs	16 secs	60 secs		
ND32	1.5	5	1/125 sec	1/30 sec	1/8 sec	1/2 sec	2 secs	8 secs	30 secs	2 mins		
ND64	1.8	6	1/60 sec	1/15 sec	1/4 sec	1 sec	4 secs	16 secs	60 secs	4 mins		
ND100	2	6 2/3	1/40 sec	1/10 sec	1/2 sec	2.5 secs	10 secs	40 secs	160 secs	11 mins		
ND256	2.4	8	1/15 sec	1/4 sec	1 sec	4 secs	16 secs	60 secs	4 mins	15 mins		
ND400	2.6	8 2/3	1/20 sec	1/5 sec	1.6 secs	6 secs	25 secs	100 secs	6 mins	26 mins		
ND500	2.7	9	1/8 sec	1/2 sec	2 secs	8 secs	30 secs	2 mins	8 mins	30 mins		
ND1000	3	10	1/4 sec	1 sec	4 secs	16 secs	60 secs	4 mins	15 mins	60 mins		



Welcome to Cole Camera Repairs, based in the South-West of England (near Bristol) We have 25 years experience of repair to all makes, models and formats of photographic equipment.

Individual special attention is paid to every repair and our expertise encompasses the full range of film cameras dating back to the 1970's to the very latest digital models and accessories.

Contact:

If you have any queries on the camera repair process or the services that we offer then please contact us:

Telephone: 01934 642633

Fax: 01934 642633

e-mail - dave@colecamerarepairs.co.uk

Address: Cole Camera Repairs,
29 Old Church Road,
Uphill Village,
Somerset,
United Kingdom,
BS23 4UP.

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- Digital and Film Compacts (All Makes and Models)
- Lenses (All Makes and Models)
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Eternal Spring of the Mind by Elena Paraskova



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