## Grays of Westminster Exclusively... Nikon

THE PERIODICAL FOR THE NIKON DEVOTEE FOUNDED 1992 • ISSUE NO. 65

### D3s: Under a Full Moon

by Jim Brandenburg

Chris Packham

— A Man on the EDG

Nikonopaedia

Alexia Takes a Bow

HEATHER ANGEL'S SUMMER WORKSHOP WITH NIKON & THINK TANK

**Nikon** WANTED FOR CASH

**NEWS FROM GRAY LEVETT** 

0% & LOW INTEREST FINANCE



Smooth Operator: The Nikon D7000 Review

by Simon Stafford



GRAYS OF WESTMINSTER • 40 CHURTON STREET • PIMLICO • LONDON SW1V 2LP • ENGLAND T: 020-7828 4925 • F: 020-7976 5783 • info@graysofwestminster.co.uk • www.graysofwestminster.co.uk



### welcome

We are planning another unforgettable event with Mike Maloney later this year, and if you would like to be kept informed of this and other events and training sessions, please send an email to: info@graysofwestminster.co.uk to be included within our comprehensive e-newsletter.

Mike Maloney writes a regular column called Mike Maloney's World in Nikon Owner magazine. Michael has been using Nikon cameras since 1986, and has exhibited his photographs at three exhibitions in London and lectured on panoramic creation to wide acclaim in the UK, Europe and the United States.

His Definitive Panoramic Seminar in October 2010 was an instant sell-out, and we are delighted that he will continue his inspirational workshops and seminars throughout 2011 which will include a number of additional topics.

When not photographing, Michael directs the efforts of Media Synthesis, a media development and consultancy company established in 1993, and is responsible for virtual reality tours and interactive exhibits at many of the UK's leading museums, including the Maritime and Natural History Museums.

Michael will be well-known to readers of Nikon Owner for his inspired steerage of the Nikon Owner London Group and as a regular contributor to Nikon Owner magazine.

### elcome, welcome, however and wherever you are reading this issue of the Grays of Westminster Gazette. Here we are, gathered together within the pages of this, the sixty-fifth issue of the Gazette. It is within these pages, over the years since its modest beginnings as a slim four-page publication, that the universe of Nikon has been travelled, examined, discussed, pictured and written about, reviewed, analyzed and then sent forth to

The Gazette has gradually expanded to thirtytwo pages in full colour with a readership that exceeds well over 100,000. Early issues are now apparently highly sought-after by collectors and I am told that copies of the first issue change hands for a tidy sum.

the four corners of the globe.

### The Simon Stafford Definitive Photographic Workshops & Seminars



foremost Nikon experts, Simon Stafford, bestselling author/ photographer and technical editor of Nikon Owner magazine, presented a

number of

From early

Spring 2010

onwards, one

of the world's

comprehensive photographic seminars and workshops at Fitzroy House in London with Grays of Westminster.

From the very first announcement, the demand for places on these training sessions was so large that the events often sold out within an hour of being promoted. We will continue to add many new photographic subjects to the current range of workshops and seminars throughout 2011.

If you would like to have more information on any of our training sessions, please contact our events and training coordinator Gillian Greenwood by email on:

gillian.greenwood@graysofwestminster.co.uk

### Nikon about 'The House'



2011 is now one quarter of the way through, but before we look ahead, if you will indulge me, we will turn our gaze back to last year.

Thanks to Britain's most decorated press photographer Mike Maloney

OBE, Grays of Westminster was written into the pages of photographic history, having been granted unique permission to take a group of amateur photographers on a two-hour shoot in the Great Chamber of the House of Lords on 13th February 2010, led by Mike Maloney.

This extraordinary access to the House of Lords had never been permitted before and the news spread quickly via twitter, blogs and other social media outlets including BBC Radio and Television, and from there across the world.

### Michael Eleftheriades – Panoramic Photography Seminar

Michael Eleftheriades is an architect and photographer who fuses his particular passion for architecture, virtual reality, computer graphics and photography in the creation of large-scale panoramic imagery.

### Escape to the Country with Heather Angel and Nikon



July 2010 and the legendary **Heather Angel** Wildlife and **Natural History** Workshop arrived, with memories of blue skies, sunshine and summers past. These popular annual workshops are held within the grounds of Saint

Hill Manor, a beautiful English country house in the Sussex countryside, in association with Nikon UK and Think Tank bags.

Heather Angel is an internationally renowned wildlife and nature photographer and an enthusiastic tutor. She has been the recipient of a large number of awards and prizes from all over the world for her widely acclaimed lectures, writing and workshops. This year's workshop will be held on 23rd July - full details on page 31. Please book early to ensure your place is secure.

# 11 Grays of Westminster. All rights reserved. No part of this publication can be reproduced without prior written permission of Grays of Westminster"

### An Unforgettable Christmas Evening with Jim Brandenburg

On Friday, 10th December, we ended 2010 with the unforgettable Christmas evening at the Institute of Directors on Pall Mall, London with Jim Brandenburg, one of the greatest nature photographers of all time, introduced by Neil Lucas, the distinguished producer of David Attenborough's celebrated BBC wildlife series.



Gray Levett & Jim Brandenburg

Jim Brandenburg's sold-out talk explored the full circle of his career with highlights starting with his early days and subsequent years with National Geographic Magazine where he worked on assignments all over the world for the magazine, book division and television. He showed the audience a selection of his outstanding work which included breathtaking images of wild arctic and grey wolves.

His extensive body of work has been published throughout the world and his photographs have won a multitude of national and international awards. He was the recipient of the 'Wildlife Photographer of the Year' award by the Natural History Museum, London and BBC Wildlife Magazine, and was twice named 'Magazine Photographer of the Year' by the National Press Photographer's Association (NPPA) for his National Geographic work. He was also presented with the 'World Achievement Award' from the United Nations in recognition of his use of nature photography to raise public awareness for the environment.

In addition to publishing several books on wolves, a few years ago he set himself the unique photographic assignment of shooting only one picture per day for an entire autumn season. His book and DVD Chased by the Light followed, as well as the sequel Looking for the Summer.

On the morning after the Christmas event, Jim Brandenburg visited Grays of Westminster to collect his new Nikon D3S, 20mm f/2.8D AF and AF-S 28-300mm f/3.5-5.6G VR ED lenses. He described Grays of Westminster as "the greatest camera store in the world".

### Grays of Westminster win the What Digital Camera/ Amateur Photographer Good Service Award 2011



We are delighted to announce that Grays of Westminster have been awarded the 'What Digital Camera/Amateur Photographer Good Service Award 2011' as voted for by What Digital Camera readers and website visitors. This special

award was presented to Grays of Westminster at the prestigious *Amateur Photographer* Annual Awards ceremony on 20th January in London.

We were honoured to be given this splendid award and to be included in the company of such distinguished past recipients of the prize. We are very grateful to everyone who voted for us; it is much appreciated and not taken lightly.

"Next to excellence is the appreciation of it" ~ William Makepeace Thackeray

### Nikon Score at Amateur Photographer Awards

Nikon won the following categories in this year's *Amateur Photographer* Product Awards:

High-end Camera of the Year Winner: Nikon D3s Fixed Focal Length Lens of the Year Winner: AF Nikkor 85mm f/1.4D Entry-level Camera of the Year

Winner: Nikon D3100

Now it is time to emerge from the long winter hibernation, time to step blinking into the spring sunlight and to discover anew the Aladdin's cave of Nikon photographic equipment – new, secondhand and vintage – all available for you at Grays of Westminster.

Ordering has never been so convenient. Please either contact our Order Department by telephone 020 7828 4925 within the UK or +44 (0)20 7828 4925 from outside the UK, by fax 020 7976 5783 or visit our informative website, www.graysofwestminster.co.uk

Whatever option you choose, you can expect our standards of incomparable service, and we look forward, as we have done over the past quarter of a century, to being of service to you.

Kind regards,



**Gray Levett** 



### GRAYS OF WESTMINSTER® GAZETTE

Grays of Westminster® exclusively...Nikon 40 Churton Street, London SW1V 2LP England **Telephone** 020 7828 4925

Facsimile 020 7976 5783

**E-mail** info@graysofwestminster.co.uk **Website** www.graysofwestminster.co.uk

Editor Gray Levett
Features Editor Gillian Greenwood
Design & Art Direction

Contributing Photographers
Jim Brandenburg, Michael Eleftheriades,
Stephen Henry, Tony Hurst, Konstantin
Kochkin, Neil Lucas, Chris Packham,

Jesse R. Wilson – www.beyondmedia.co

Holly Stafford, Simon Stafford **Contributing Editors** 

Jim Brandenburg, Gillian Greenwood,
Gray Levett, Chris Packham, Simon Stafford
Special thanks Mark Fury, Tim Hunnable,
Simon Iddon at Nikon UK, Andrew Main Wilson
Follow us on Twitter @NikonatGrays
Blog graysofwestminster.blogspot.com
Social media Mngt. WorldWidePR.net

Advertising Sales Mark Peacock Telephone 01234 273434 Facsimile 01234 273434 Mobile 07963 956221

E-mail the space factory@btconnect.com

### **Ordering & Payment**

How to Order

Telephone 020 7828 4925 From outside the UK +44(0)20 7828 4925 Facsimile 020 7976 5783 E-mail info@graysofwestminster.co.uk Post The Order Department

Grays of Westminster 40 Churton Street London SW1V 2LP England

### How to Pay

Grays of Westminster accepts payment by:









For credit card information please enclose confirmation of the cardholder's name and billing address, if different from the sender's details. A daytime telephone number must also be included.

### SMOOTH OPERATOR

SIMON STAFFORD reviews the Nikon D7000 D-SLR, the latest DX-format D-SLR from the Nikon Corporation. All words and pictures by the author.

When the Nikon
Corporation announced
the introduction of the
D7000 back in September
last year it turned out not
to be the long anticipated
replacement for the
venerable D90 but an
entirely new model, to
occupy a place in the
Nikon D-SLR line-up
somewhere just below
the DX flagship D300s.

### **DESIGN**

Such is the pace in development of modern digital cameras that a quick look through the specification of the D7000 will raise more than a few eyebrows when comparing it to the specification of the D300s, which was launched barely a year before. Key features of the D7000 include a newly developed 16.2MP CMOS DX sensor, giving the camera the second highest resolution in the Nikon D-SLR range behind the professional D3x, new metering and AF sensors with the highest pixel count of such sensors used in any previous Nikon SLR camera, an expanded ISO range of 100-6400 (extendable to 25,600 in Hi2 setting), and full HD 1080p (24 fps) video. Add to this the

100% viewfinder frame coverage, 3-inch LCD monitor screen, 1/8000s shutter speed, 6 fps (frames per second) continuous shooting speed, and dual SD memory card slots, and it's easy to see how the D7000 seems to cast something of a shadow over the D300s.

The D7000 uses EXPEED 2, an enhanced version of Nikon's in-camera image processing regime. It not only helps to support the video functionality of the camera, including its HD (1920 x 1080 pixel) resolution and use of the H.264/MPEG-4 codec but also boosts image-processing speed while contributing to improvements in stills picture recording in respect of better noise reduction, smoother tonal graduation and greater colour fidelity.



Finally, the D7000 has clearly been built to last, with its magnesium-alloy top and rear panels, extensive sealing against the ingress of dust and moisture and robust shutter mechanism that is tested to at least 150,000 cycles.

### **HANDLING**

In general handling the D7000 is very good, although its small size will make it a little awkward for some. For example, I have found using the AF lock button when shooting with the camera held vertically very difficult due to its proximity to the viewfinder eyepiece. That said, there are several aspects of the D7000 design that have enhanced camera handling and operation over previous models in this class, including the arrangement of the release mode selector switch with dedicated lock button, set around the exposure mode dial, and the "flick" style one-touch switch to active Live View and its central on/off button for video recording, which appeared first on the D3100. Another small but very useful modification is the method of selecting AF settings via the new style AF mode button located at the centre of the focus mode selector switch. The remote control of the camera has been expanded, with sensors for the ML-L3 IR remote release on the front and rear of the camera; it is also possible to use the mirror lock-up feature via ML-L3. The camera accepts the MC-DC2 remote release cable and Nikon GP-1 GPS unit.

Despite its diminutive size, the new EN-EL15 battery has proved to be a real powerhouse for shooting both pictures and video, although for the latter I would certainly advise carrying a spare; however, on the downside, the new MH-25 charger is anything but fast, taking about 2.5 hours to recharge a completely exhausted EN-EL15. The optional MB-D11 battery pack is a mixed bag; while it certainly extends shooting capacity by providing additional power for the camera and has a full array of controls to facilitate vertical shooting, to further improve handling characteristics, it only accepts one EN-EL15 battery. If you run the D7000/MB-D11 with two batteries, the battery pack has to be removed every time the camera battery requires recharging, which is likely to result in wear and tear issues over the course of time.

### **PERFORMANCE**

The new 2,016-pixel RGB TTL metering sensor is a significant development, as it represents more than a doubling in the number of the sampling points on this key component compared with the venerable 1,005-pixel sensor that was first introduced way back during 1996 with the launch of the Nikon F5 film camera, and which has served in every mid and top of range Nikon D-SLR camera since. With the extra sampling points the camera has the benefit of more information, and this is certainly apparent in the performance of the TTL metering, which I have found to be very accurate, even coping



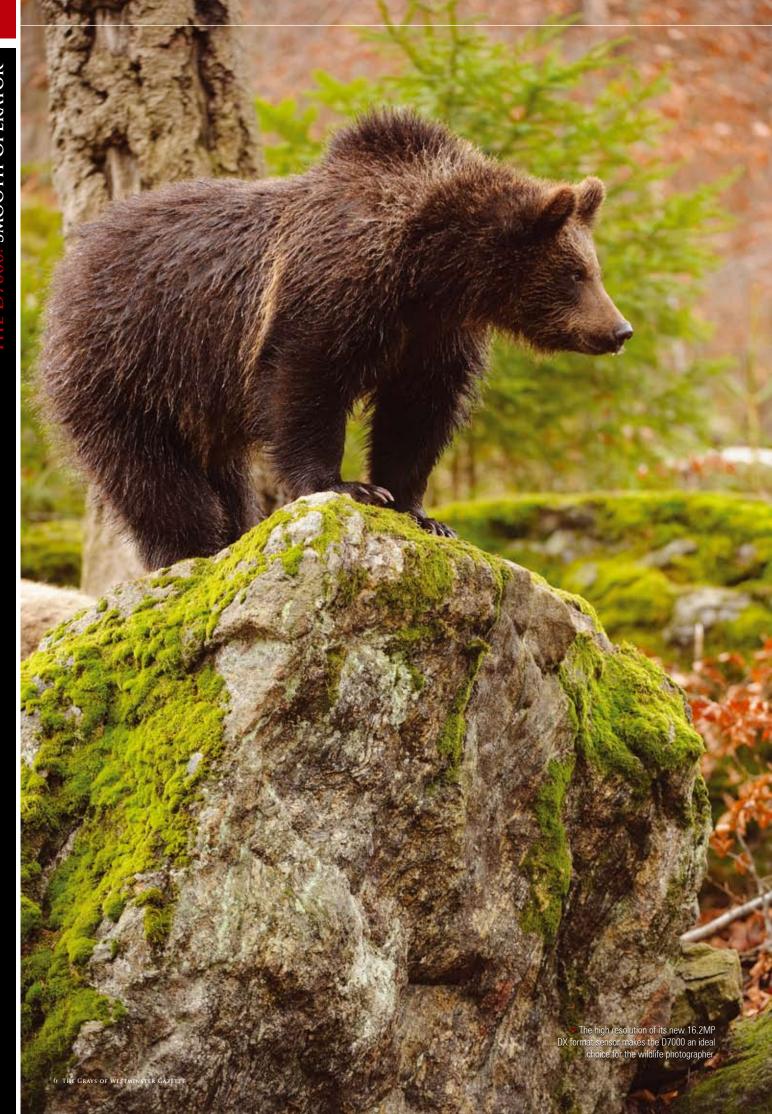
It is easy to be very complimentary about the D7000 – it rightly deserves a lot of praise! It represents state-of-the-art camera design for the smaller DX-format and mitigates one of the most common arguments for moving to the FX format ...

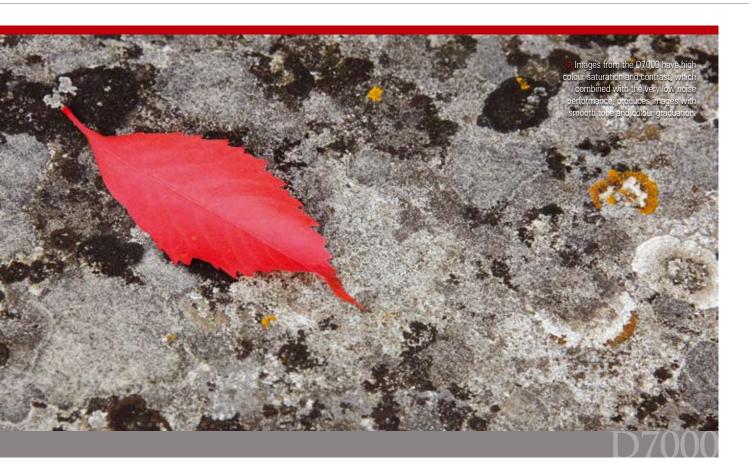
well with large expanses of extremely light or dark tone. For example, if you are in the habit of adjusting exposure when shooting in snow, or on very pale sand with your current Nikon SLR, you'll need to amend your shooting technique. That said, I still see the combination of the metering and autofocus systems coming into play and impacting on Matrix metering as it does on other recent Nikon D-SLR cameras; for example, the slight over-emphasis on the tone under the active AF point when using single AF point and single-servo AF mode is apparent with the D7000.

Also introduced for the first time in the D7000 is the Multi-CAM 4800 AF sensor that supports an array of 39 AF points. With more sampling points than any previous Nikon AF sensor, the AF system of the D7000 is very responsive and the best DX format camera for AF in low-light conditions I have used. The AF system is of course fully integrated with the Scene Recognition System (SRS) enabling the camera to plot subject location within the frame area to enhance focus-tracking capabilities and in this respect I would suggest subjectively that it out-performs the D300s, and as far as any other previous Nikon DX format camera is concerned there simply is no contest!

A new feature of the autofocus system is the Full-time servo AF (AF-F) mode, which performs continuous autofocus in both Live View and D-Movie mode. AF-F operates while the reflex mirror is raised and works on a contrast-detect system and is consequently very slow; to be candid I do not consider it to be a usable feature. Comparing the normal phase detection AF and contrast-detect AF of the D7000 is like comparing the proverbial chalk and cheese!

Another aspect of D7000 performance that has delivered a very welcome and pleasant surprise is the noise performance. Squeezing over 16-million pixels on to its DX format sensor seemed to be a recipe for little, if any improvement in terms of noise performance over existing 12MP models such as the D300s and D90. The Nikon engineers appear to have struck a perfect balance between suppressing chroma noise and controlling luminance noise to the point that the D7000 is without doubt the best DX-format camera, as far as noise level and the 'look' of its noise pattern is concerned. As you would expect at low ISO settings (100 to 400) results are exemplary and virtually indistinguishable but it is at the higher settings that the real world improvements can be observed. It may not be in quite the same class as the D3/ D700 sensor, and it certainly cannot compete with the D3s at higher ISO sensitivity settings but it is still a remarkable achievement. In practical terms, combined with careful post-processing, you should not encounter any problems producing very good quality prints up to A3+ (13 x 19-inches) at ISO 1600, and even out to ISO 3200. Closely allied to noise is the workable dynamic range of the camera, which is also impressive. At its base ISO (100) and using the NEF Raw format I would suggest it is possible to achieve a



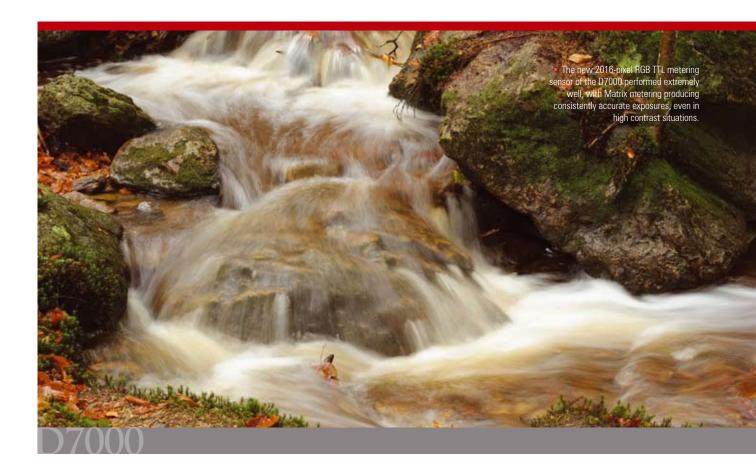




full 9-stop range from holding the brightest highlight to discerning detail in the deepest shadow of a scene. This puts the D7000 on a par with the likes of the D3-series cameras, although unlike those models the dynamic range does begin to contract almost as soon as you move above base ISO.

The bump-up in resolution to 16MP brings another consideration to the fore - lens performance. This camera is unforgiving when it comes to any lens that is less than top quality. While most of the current DX Nikkor lens line-up can hold their own on the 12MP cameras, on the D7000, the better performers, such as the AF-S 16-85mm and AF-S 17-55mm, start to show their qualities. Plus, the effect of diffraction at small lens apertures should not be ignored, as it will soon start to undermine any perceived increase in image acuity. I would suggest the break point is somewhere around f/11, possibly even a little wider, depending on print size and viewing conditions.

The D-Movie mode is the best iteration of video recording, including the audio capabilities when used with an external microphone, in a Nikon D-SLR to date. It provides options for full HD 1080p resolution at 24 frames per second (fps), as well as HD 720p at frame rates of 24 / 25 / 30 fps, with clean compression, even in scenes where there is a lot of subject movement, thanks to the H.264 codec. The rolling-shutter effect observed in previous video-enabled Nikon D-SLR cameras has also been suppressed quite effectively, making camera pans and following all but the fastest moving subject possible. The only real weak point is the contrast-detect AF, as discussed above.





### CONCLUSION

It is easy to be very complimentary about the D7000 - it rightly deserves a lot of praise! It represents state-ofthe-art camera design for the smaller DX-format and mitigates one of the most common arguments for moving to the FX format, namely better high ISO performance. Combined with its very good AF performance and high pixel density, I expect the D7000 will be very popular with a wide variety of photographers. Granted it doesn't offer the bright, expansive viewfinder of the current FX cameras, nor their armour-plated build quality, but for me the only real remaining drawback of the DX format is the lack of some fast, wideangle prime lenses!

The D7000 is an excellent all-round performer that delivers very high image quality, ample resolution, very useable low light capabilities, and highly functional and practical HD video. Plus, it has a feature set and handling qualities that should meet the demands of just about any photographer, to the point that if you cannot capture technically competent pictures with it, it's not the equipment that's at fault! In short there is an awful lot to like about the D7000. If there was ever a good reason to either get your first D-SLR, or upgrade your previous Nikon DX camera, including a D1, and D2-series model, the D7000 is it (with the possible exception of D300/ D300s users). Consequently, I predict the Nikon Corporation will sell the D7000 by the boatload.



GRAYS OF WESTMINSTER WINS

### AMATEUR PHOTOGRAPHER/WHAT DIGITAL CAMERA GOOD SERVICE AWARD 2011



Grays of Westminster was presented with the What Digital Camera/Amateur Photographer 'Gold Winner' Good Service Award 2011, as voted for by What Digital Camera readers and website visitors.

It is particularly fitting that Grays of Westminster should win this award in their twenty-fifth anniversary year. A quarter of a century ago, Grays of Westminster began as a small mail-order company starting with just £100 and no stock. In just over two decades, they have grown and expanded to become one of the UK's most successful and influential photographic companies, with a world-wide clientele.

## A Subscription to Nikon Owner is the Perfect Gift For you or someone special...

### Standard Annual Subscription

### **Benefits Include:**

- Nikon Owner magazine, a superb, glossy full-colour 60-page quarterly magazine that is 100% Nikon. Each issue delivers benchmark technical reviews of the very latest Nikon equipment, thought-provoking interviews and articles with world-class images.
- Private user name and password to subscribers'-only website which includes a lively forum, message board, technical equipment reviews, events' page and use of a photo gallery.
- Simon Stafford's *Technical Helpline*: free technical consultation and support from best-selling author Simon Stafford who is considered to be one of the top Nikon experts in the world; you will be able to benefit from his formidable knowledge and have all your technical questions fully answered by email. This service is exclusive to *Nikon Owner* subscribers.
- FREE 3-year warranty on all new Nikon products from Grays of Westminster within your year of subscription.
- FREE 18-month warranty on second-hand Nikon products from Grays of Westminster within your year of subscription.
- 10% off Think Tank bags purchased at Grays of Westminster.
- Special trips: past visits have included a two-week trip to Japan and a personal tour of the Nikon factory, a visit to Nikon Thailand, Angkor Watt, Cambodia.
- Substantial discounts on Grays of Westminster events and training sessions such as Mike Maloney's House of Lords Photographic Workshop, Heather Angel's Wildlife & Natural History Workshops, Simon Stafford's Definitive Flash, Portraiture and Macro Training Sessions, Michael Eleftheriades' panoramic and colour-calibration seminars and Chris Weston's Photographic Courses.
- 10% off any training courses run by Nikon UK.
- A range of complimentary meetings and outings organized by local Nikon Owner Groups.

Special price: £59.00

### Silver Subscription

### **Benefits Additionally Include:**

- All of the above benefits.
- 2-year Subscription to the Nikon Owner magazine and Interactive website.
- 30-minute tutorial with a technical specialist face-to-face in store or over the telephone.

Launch Price: £129 (Normal Price: £179)

### Gold Subscription Benefits Additionally Include:

- All of the above benefits.
- 5-year Subscription to the Nikon Owner magazine and Interactive website.
- FREE 5-year warranty on all new Nikon products from Grays of Westminster for the duration of your subscription.
- FREE 2-year warranty on second-hand Nikon products from Grays of Westminster for the duration of your subscription.
- 30-Minute Tutorial with a technical specialist face-to-face in store or over the telephone.
- Top priority on all new equipment waiting lists held by us for Nikon and ThinkTank gear.
- A signed copy of the book 'Grays of Westminster: In the Company of Legends' worth £25.00 (whilst stocks last).
- A free gift from the choice of:
   A Grays of Westminster umbrella
   (in-store only) OR a Heather Angel book/
   'Nikon Magic Lantern Guide' by Simon
   Stafford of your choice.

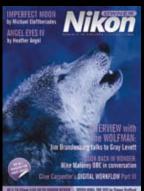
Launch Price: £349 (Normal Price: £449)

### **New Subscriber Application**

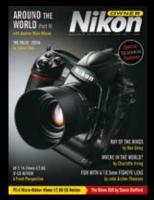
### No. 1 Nikon magazine

Date: / / / / / / / / / / / / / / / / / / /	OIGITAL WORKFLOW PL IV by Clive Carpenter  ANGEL EYES V by Heather Angel
Payment details	
Card number: (Maestro only) Start Date: / Expiry Date: / Card Security Code: Last 3 digits on your signature strip (3 or 4 digits on front of AMEX)	MIKE MALONEY'S WEALD. Grace Kelly: The Princess & the Photographer AFISTALL OF NIKONS — TONY HURST: The Interview by Gray Levett LIFE, BUT NOT AS WE KNOW IT — THE NEIL LUCAS INTERVIEW by Gillian Greenwood  AF-S 24mm VI.46 ED Nikkor Review Nikon TC-20E Mark NIL Review by Simon Stafford
Customer details PLEASE USE CAPITALS	Cut-out & send this form to:
Title: Forename(s): Surname: Home Address:	Nikon Owner Magazine 40 Churton Street London SW1V 2LP, U.K. or telephone 020 7828 8971 10.00 a.m. – 5.00 p.m. Mon. to Fri.
Postcode/Zip Code:	
Country:	Office Use Only
E-mail:	Name of Staff:
Home Telephone:  Mobile Telephone:	Log: Subscription No. Given:





Work Telephone:







Magazine & Welcome Letter





Call 020 7828 8971 to subscribe or sign-up on our website:





D3s: Under a Full Moon by

### JIM BRANDENBURG

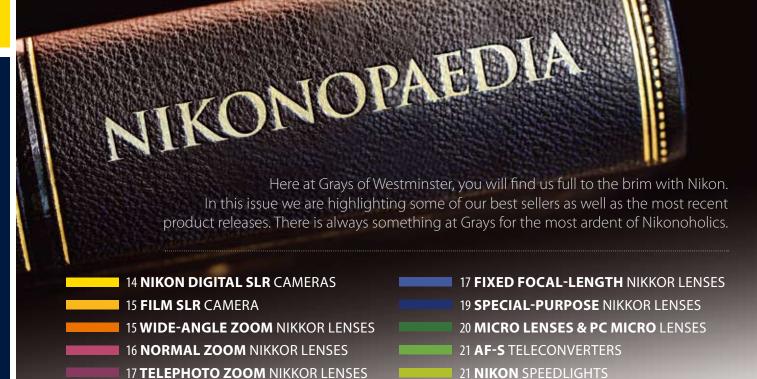


Equipment: Nikon D3s + 14-24mm f/2.8.

"This was shot under moonlight, hand-held, f/2.8 at 1/4 sec. 20,000 ISO on Aperture Priority. The image has no Photoshop processing. Simply opened it off the Raw file, no extra adjustment, just picked it up and fired." – Jim Brandenburg

www.jimbrandenburg.com





### NIKON D3S

Nikon

Nikon's first FX format camera to feature high-definition movie recording offers photographers a whole new level of creative flexibility. The D3S features a highly sensitive 12.1 megapixel FX format CMOS sensor that boasts an ISO range of 200 to 12800. The D-movie function offers superior movie capture in stereo sound and features a Save Selected frame option to speed up productivity. Nikon's acclaimed 51-point AF system offers high sensitivity in low-light and superb performance when tracking fast-moving subjects. An advanced image sensor cleaning function reduces the impact of dust spots and three alternative crop modes enhance shooting flexibility. The EXPEED image processing engine and expansive buffer enables you to shoot up to 9 fps for extended bursts. Protected by a tough, environmentally-sealed magnesium alloy body, the D3S redraws the boundaries for professional action photography.

### **NIKON D3X**



The D3X redefines high resolution SLR photography, whether you shoot in the studio or out on location. The 24.5 megapixel FX format CMOS sensor delivers image files with outstanding levels of detail and tonal gradation and boasts an ISO range of 100 to 1600. Its durable Kevlar/carbon fibre-composite shutter and EXPEED image processing engine enable it to shoot at up to 5 fps (7 fps in DX Crop mode). The advanced Scene Recognition System delivers superior exposures and is supported by Nikon's widely acclaimed 51-point AF system, which offers broad coverage and individually selectable points. Selectable Picture Controls streamline in-camera image processing, saving time in post-production. The high definition 3-inch LCD monitor supports two Live View modes plus an HDMI video output. Protected by a tough, environmentally-sealed magnesium alloy body.

### **NIKON D700**



The D700 offers groundbreaking technologies and performance into a discreetly-sized body. The 12.1 megapixel CMOS sensor provides an (extendable) ISO range of 200 to 6400 and features a self-cleaning dust-reduction unit. Its EXPEED image processing engine enables the capture of images with superb detail and tonal gradation at up to 5 fps (8 fps with the optional MB-D10 battery pack and EN-EL4a battery). The advanced Scene Recognition System delivers superior exposures and is supported by Nikon's acclaimed 51-point AF system, which offers outstanding tracking accuracy even in low light. The selectable Picture Controls streamline in-camera image processing, saving time in post-production, and a high definition 3-inch LCD screen supports two Live View modes plus an HDMI video output.

### **NIKON D300s**



The D300S is a compact DX format professional SLR that extends the options for photographers who value creative flexibility. It incorporates Nikon's D-movie with in-camera editing function into a discreet body, letting you switch quickly between capturing superior stills or movie clips in stereo sound. It boasts a highly sensitive 12.3 megapixel CMOS sensor and supports a phenomenal 7fps continuous shooting. CF and SD card slots enhance workflow flexibility, letting you capture stills on one card and movies on another. Nikon's acclaimed 51-point AF system offers broad coverage and high sensitivity in low light. Selectable Picture Controls streamline post-production, and the high definition 3-inch LCD screen supports D-movie and two Live View modes. Protected by a tough, yet light, environmentally-sealed magnesium alloy body, the D300S will change the way you approach the craft of photography.

**SLR** CAMERA

FILM

## Nikon

**DIGITAL SLR** CAMERAS

### **NIKON D7000**

Packing high-end image technologies into a surprisingly portable body, the D7000 marks a new era in creative flexibility. Sturdy enough to travel anywhere and powerful enough to handle any situation, its range of advanced features will satisfy any photographer ready to further their skills. If photography is your passion, this is the D-SLR you need. 16.2 megapixel DX-format CMOS image sensor, High ISO (100-6400) light sensitivity - extendable up to 25600, EXPEED 2: Nikon's advanced image processing engine, durable design with magnesium alloy top and rear covers, twin SD card slots: SDXC compatible.

### **NIKON D90**



The D90 fuses technology from Nikon's flagship digital SLRs with an array of sophisticated functions to help you achieve superior results. Its 12.3 megapixel DX-format CMOS image sensor with built-in self-cleaning sensor unit and EXPEED image processing system offer outstanding image quality across a wide ISO light sensitivity range. Live View mode lets you compose and shoot via the high-resolution 3-inch LCD monitor, and an advanced Scene Recognition System and autofocus performance help capture images with astounding accuracy. Movies can be shot in Motion JPEG format using the innovative D-Movie function. 12.3 megapixel. DX format, CMOS image sensor, low noise performance from ISO 200 to 3200, D-Movie function offers Motion JPEG movies in exceptional D-SLR image quality. Extensive in–camera retouch functions.

### **NIKON D3100**



The stunningly simple-to-use D3100 is every family's answer to beautiful images. Whether the moment calls for a family portrait or a sharp shot of toddlers on the run, Guide Mode shows you how to capture stunning photos in no time at all. D-Movie lets you record full HD movie clips and capture the action in superb quality day or night. Nikon's advanced EXPEED 2 image-processing engine maximizes the performance of the 14.2 megapixel CMOS sensor for amazingly clear images with vivid colours. Incredibly lightweight for an SLR, the D3100 makes it easy to capture your family looking wonderful wherever you go. 14.2 megapixel DX-format CMOS image sensor, EXPEED 2: Nikon's advanced image processing engine, High ISO (100-3200) light sensitivity - extendable up to 12800, GUIDE mode: intuitive in-camera assistance, D-Movie: full HD (1920 x 1080) movie clips.

### **NIKON F6**



Nikon's top-of-the-line professional film camera, the F6, indicates the depth and breadth of their dedication to truly high-quality photography. The F6 has been refined to a degree that is hard to match: Its mechanical innovations offer greatly enhanced stability and durability, as well as enabling quieter operation than ever before and its advanced electronic improvements mean an extremely high-speed, high-quality performance. Nikon's F6 provides a pure, gratifying photographic experience that is comparable to no other. Sophisticated 35mm SLR, 5.5fps / 8fps with optional MB-40 battery pack, 11-area Multi-CAM2000 AF, 3D Colour Matrix Metering, i-TTL Flash Control, 41 Custom Functions.

### 14-24mm f/2.8G ED AF-S NIKKOR



Extreme wide-angle, fast aperture lens with a revolutionary optical design. This remarkable professional lens features a Nano Crystal coating to reduce the effects of ghost and flare, and delivers edge-to-corner sharpness that can surpass that of equivalent fixed focal-length lenses. 14-24mm zoom range (DX equivalent: 21-36mm). AF-S (Silent Wave Motor) for whisper quiet and fast autofocus. ED glass to minimize chromatic aberration. Rubber mount seal. Instant manual focus override (M/A or M switching). Integrated hood.

Lens Construction: 14 elements in 11 groups Maximum Reproduction ratio: 1/6.7x

Minimum focus distance: 0.28m/0.9ft. (in 18-24mm)

### AF-S DX NIKKOR 10-24mm f/3.5-4.5G ED



Ultra wide-angle 2.4x zoom lens with 109° to 61° field of view, equivalent to 15-36mm in 35mm format. Designed for use with DX-format digital SLRs, the high quality optical design boasts three aspherical and two ED glass elements to deliver images with outstanding resolution, contrast and minimized distortion. Ideal for capturing landscapes, images with exaggerated perspectives and for shooting in tight spaces, it features Nikon's exclusive Silent Wave Motor for smooth, quiet autofocus with all Nikon DX-format cameras.

Lens Construction: 14 elements in 9 groups Maximum Reproduction ratio: 1/5x Minimum focus distance: 0.24m/0.8ft. (AF) 0.22m/0.7ft. (MF) Filter Attachment Size: 77mm

WIDE-ANGLE ZOOM NIKKOR LENSES

### AF-S 12-24mm f/4G ED-IF DX NIKKOR

A very popular choice for extreme wide-angle photography. The fixed aperture ensures consistent exposures across the zoom range. Perfect for shooting large building exteriors, narrow interiors and vast natural landscapes.

Lens Construction: 11 elements in 7 Groups Filter attachment size: 77mm Closest Marked Focusing Distance [m] 0.3m/1ft.

### AF-S NIKKOR 16-35mm f/4G ED VR



This versatile ultra-wide-angle zoom covers a remarkably broad range, with Vibration Reduction (VRII) to enable blur-free handheld images at slower shutter speeds in places such as interiors and night scenes. Ideal for travel and documentary work.

Lens Construction: 17 elements in 12 groups Maximum reproduction ratio: 1/4x Minimum focus distance: 0.28m/0.9 ft. Filter attachment size: 77mm

### AF-S NIKKOR 28-300mm f/3.5-5.6G VR IF- ED



High-power FX zoom lens with versatile wide-angle to telephoto zoom range. Offers an ultra-high 10.7x zoom and wide 28-300mm focal range that easily covers the most commonly used focal lengths. Nikon's second-generation Vibration Reduction system delivers sharp results, even for hand-held telephoto shots. The ideal 'walkabout' lens, it offers a convenient way to obtain maximum flexibility with minimum kit. Outstanding optical performance. Allows you to use shutter speeds that are up to 4 stops slower. Zoom-lock switch keeps the lens secure when not in use. Weather-sealed mount protects the lens from dust and water.

Lens construction: 19 elements in 14 groups Maximum reproduction ratio: 0.32x (at telephoto) Minimum focus distance: 0.5m/1.6" Filter attachment size: 77mm

### 16-85mm f/3.5-5.6G VR AF-S DX NIKKOR IF- ED



Highly portable, powerful zoom lens with high-quality optics designed for use with Nikon DX Format digital SLRs. With a 5.3X zoom and 16-85mm focal range, this lens delivers superb versatility for a wide variety of shooting situations. Equipped with Nikon's second-generation Vibration Reduction (VRII) system and exclusive Silent Wave Motor (SWM), it offers superb performance in low-light, delivering steady images to both the sensor and viewfinder, and features fast, quiet autofocus. An ideal all-round lens for today's high-resolution SLRs.

Lens construction: 17 elements in 11 groups Maximum reproduction ratio:  $\frac{1}{4}$ . 6x

Closest-focusing distance: 0.38m/1.3ft. Filter attachment size: 67mm

### AF-S DX NIKKOR 18-200mm f/3.5-5.6 G VR II IF- ED



Popular, all-round DX-format 11.1 x zoom lens. Equipped with Nikon's Vibration Reduction system and exclusive Silent Wave Motor (SWM), it offers superb performance in low-light, delivering steady images to both the sensor and viewfinder, and features fast, quiet autofocus. The high quality optical design boasts Nikon's Super Integrated Coating and two ED glass elements for superb colour reproduction and minimized distortion. A practical zoom-lock switch keeps the lens secure when not in use. Great value for money, this is a flexible all-in-one lens - ideal for capturing everything from wide landscapes to close-ups of distant subjects.

Lens construction: 16 elements in 12 groups Maximum reproduction ratio: ¼. 5x

Closest-focusing distance: 0.5m/1.6ft. Filter attachment size: 72mm

### AF-S 24-70mm f/2.8G NIKKOR IF- ED



Professional, fast aperture, standard zoom lens with SWM (Silent Wave Motor) for whisper quiet and fast autofocus. Designed for digital, this lens rivals that of fixed focal length lenses for edge to corner sharpness, and features a Nano Crystal coating to minimize ghost and flare. 24-70mm zoom range (DX equivalent: 36-105mm). Slim, durable and lightweight barrel. ED glass to minimize chromatic aberration.

Lens construction: 15 elements in 11 groups Maximum reproduction ratio:

Minimum focus distance: 0.38m/1.2ft. (in 35-50mm) Filter attachment size: 77mm

**FELEPHOTO ZOOM** NIKKOR LENSES

### AF-S NIKKOR 24-120mm f/4G VR IF-ED



Compact and versatile 5x zoom lens designed for use with Nikon FX-format SLRs. Boasts high optical performance, constant f/4 aperture and versatile 24-120mm focal range. Nikon's second-generation Vibration Reduction system delivers outstandingly sharp images, even in low light, and Nano Crystal Coat greatly reduces the effects of ghosting and flare.

Lens construction: 17 elements in 13 groups (with 2 ED glass elements, 3 aspherical lenses and Nano Crystal Coat)

Closest focus distance: 0.45m (1.5ft)

Max reproduction ratio: 0.24x (at telephoto setting)

Filter attachment size: 77mm

### AF-S NIKKOR 70-200mm f/2.8G ED VR II



Professional, fast aperture, telephoto zoom lens with Vibration Reduction and Nano Crystal Coat. Boasts superb edge-to-corner sharpness and fast, quiet autofocus that offers outstandingly sharp images under any lighting conditions. Weather-sealed magnesium body to meet the most challenging professional needs. 70-200mm zoom range (DX equivalent: 105-300mm). Nano Crystal Coat reduces ghosting and flare. AF-S (Silent Wave Motor) for whisper quiet and fast autofocus.

Lens construction: 21 elements in 16 groups Maximum reproduction ratio: 1 /8. 6x

Minimum focus distance: 1.4m/4.6ft. Filter attachment size: 77mm

### AF-S 70-300mm f/4.5-5.6G VR NIKKOR IF-ED



The AF-S VR 70-300 f/4.5-5.6G IF-ED is a high-performance super telephoto zoom lens. It features ED (Extralow Dispersion) glass elements that ensure superior optical performance. This lens incorporates VR II that allows flexible hand-held shooting by stabilizing the image to the equivalent extent of using a shutter speed that is four stops faster when compared with a conventional lens. The SWM (Silent Wave Motor) and IF (Internal Focusing) ensure fast and quiet focusing action.

Lens construction: 17 elements in 12 groups Maximum reproduction ratio: 1 /4.

Minimum focus distance: 1.5m/4.9ft. Filter attachment size: 67mm

### AF-S NIKKOR 200-400mm f/4G VR II IF-ED



An ideal lens for when you need to keep gear to a minimum while on super-telephoto assignments that require stunning image quality. The aperture is f/4 fixed throughout the zoom range, with Vibration Reduction (VR) for added capability. A great utility lens when it comes to super-telephoto coverage.

Lens construction: 24 elements in 17 groups Minimum focus distance: 2m/6.6 ft. (AF) 1/3.6x (MF) Maximum reproduction ratio: 1/3.7x (AF) 1/3.6x (MF) Filter attachment size: 52mm

### AF-S NIKKOR 24mm f/1.4G ED



Class-leading wide-angle NIKKOR lens with ultra-fast aperture. The superior optical design delivers outstandingly sharp images, even in low light, and incorporates Nikon's Nano Crystal Coat that greatly reduces ghosting and flare. The large maximum aperture offers a bright viewfinder image and Nikon's Silent Wave Motor enables fast, quiet autofocus. Ideal for use with Nikon's FX-format cameras, this lens raises the benchmark for wide-angle photography.

Lens construction: 12 elements in 10 groups Maximum reproduction ratio: 1.5.6x

Minimum focus distance: 0.25m/0.82 ft. Filter attachment size: 77mm

### AF-S NIKKOR 35mm f/1.4G



Professional, wide-angle, single-focal-length lens with a fast f/1.4 aperture. Designed for use with Nikon's FX-format SLRs. Incorporates Nano Crystal Coat for outstandingly sharp images, even in low-light. Boasts a 9-blade rounded diaphragm for super-smooth bokeh. A robust and reliable performer, its outstanding optical performance makes it the ideal lens for photographers who want a hard-working lens.

Lens construction: 10 elements in 7 groups Maximum reproduction ratio: 0.2x

Closest focusing distance: 0.3m /0.98 ft. Filter attachment size: 67mm

### AF-S DX NIKKOR 35mm f/1.8G



35mm wide aperture lens with high-quality optics and compact dimensions designed for use with Nikon DX format cameras. Features a large maximum aperture of f/1.8 that offers a bright viewfinder image and is ideal for low-light shooting situations. Delivers high resolution and contrast with SWM (Silent Wave Motor) quiet autofocus operation.

Lens construction: 8 elements in 6 groups (with one hybrid aspherical lens) Closest focusing distance: 0.3 m/0.98ft.

Filter attachment size: 52mm

### AF-S NIKKOR 50mm f/1.4G



50mm wide-aperture standard lens with high-quality optics and Nikon's exclusive Silent Wave Motor (SWM) for whisper-quiet operation. Features a large maximum aperture of f/1.4 that ensures a bright viewfinder image, and is ideal for low-light shooting situations or when a shallow depth-of-field is desired.

Lens construction: 8 elements in 7 groups Maximum reproduction ratio: 1/6.8x Minimum focusing distance: 0.45m /1.4 ft. Filter attachment size: 58mm

### AF-S NIKKOR 85mm f/1.4G



Professional medium telephoto lens with a fast f/1.4 aperture for use with Nikon's FX-format SLRs. A new incarnation of a legendary NIKKOR, the re-designed optical construction offers outstanding performance. Nikon's Nano Crystal Coat greatly reduces ghosting and flare, and the 9-blade rounded aperture produces soft and pleasing blur characteristics. An outstanding portrait or studio lens.

Lens construction 10 elements in 9 groups
Max reproduction ratio: 0.12x

Closest focus distance: 0.85m (2.79ft) Filter attachment size: 77mm

### 105mm f/2D AF DC-NIKKOR Standard portrait lens with Defocus-image Control



Fast, medium telephoto lens with Defocus-image Control. Large maximum aperture allows shooting in dim light. A rounded diaphragm opening makes out-of-focus elements appear more natural. RF (rear focus) technology for fast AF operation

Lens construction: 6 elements in 6 groups (plus one protective lens) Minimum focusing distance: 0.9m /3 ft. Maximum reproduction ratio: 1/7.7x Filter attachment size: 72mm

### 135mm f/2D AF DC-NIKKOR



High performance telephoto with Defocus-image Control. Large maximum aperture allows shooting in dim light. A rounded diaphragm opening makes out-of-focus elements appear more natural.

Lens construction: 7 elements in 6 groups (plus one protective lens) Minimum focusing distance: 1.1m /4 ft. Maximum reproduction ratio: 1/7.1x Filter attachment size: 72mm

### AF-S NIKKOR 200mm f/2G ED VRII IF-ED



Professional telephoto lens with a fast f/2 aperture designed for use with Nikon's FX-format SLRs. Incorporates Nikon's second-generation Vibration Reduction system for an exceptionally steady image, even in low-light. Nano Crystal Coat greatly reduces ghosting and flare and the 9-blade rounded diaphragm enables super-smooth bokeh. Boasts quiet, accurate autofocus and a weather-sealed magnesium body.

Lens construction: 13 elements in 9 groups (plus one Meniscus Protective Lens) Minimum focusing distance: 1.9m /6.2 ft. Maximum reproduction ratio: 1/8.1x Filter attachment size: 52mm

### AF-S 300mm f/2.8G VR II NIKKOR IF-ED



This highly regarded professional super-telephoto lens is now reborn with Vibration Reduction (VRII) to enable handheld shooting at up to four stops slower. The Nano Crystal Coat reduces ghost and flare effects, helping to create stunningly crisp, clear images. The best choice for indoor and action sports.

Lens construction: 13 elements in 9 groups (plus one Meniscus Protective Lens) Minimum focusing distance: 2.3m/7.5 ft. (AF) 2.2m/7.2ft. (MF)

Maximum reproduction ratio: 1/6.4x (AF) 1/6.1x (MF)

Filter attachment size: 52mm

### AF-S 400mm f/2.8G VR NIKKOR IF-ED



FIXED FOCAL-LENGTH NIKKOR LENSES continued...

Fast aperture super telephoto lens that is ideal for sports photography. A new optical design delivers crisp, high-contrast images, and features ultra-quiet autofocus performance. It has Vibration Reduction II to combat the effect of camera shake at slow shutter speeds, and practical close-focusing capabilities. Designed for digital, this lens includes a Nano Crystal Coat, ED glass and rounded diaphragm blades to produce images full of detail with excellent out-of-focus characteristics.

Lens construction: 14 elements in 11 groups (plus one Meniscus Protective Lens)

Minimum focusing distance: 2.9m/9.5 ft. (AF) 2.8m/9.2ft. (MF)

Maximum reproduction ratio: 1/6.3x (AF) 1/6.1x (MF) Filter attachment size: 52mm

### AF-S 500mm f/4G VR NIKKOR IF-ED



Popular super telephoto lens that offers an excellent combination of focal length and handling. A new optical design delivers crisp, high contrast images and features ultra-quiet autofocus performance. It has Vibration Reduction II to combat the effect of camera shake at slow shutter speeds, and practical close-focusing capabilities. Designed for digital, this lens includes a Nano Crystal Coat, ED glass and rounded diaphragm blades to produce images full of detail with excellent out-of-focus characteristics.

Lens construction: 14 elements in 11 groups (plus one Meniscus Protective Lens)

Minimum focusing distance: 4m/13.1 ft. (AF) 3.85m/12.6 ft. (MF)

Maximum reproduction ratio: 1/6.9x (AF) 1/6.6x (MF) Filter attachment size: 52mm

### AF-S 600mm f/4G VR NIKKOR IF-ED



Fast aperture super telephoto lens, suitable for distant subjects in field sports, wildlife and surveillance. A new optical design delivers crisp, high contrast images and features ultra-quiet autofocus performance. Designed for digital, this lens includes a Nano Crystal Coat, ED glass and rounded diaphragm blades to produce images full of detail with excellent out-of-focus characteristics. VR II (Vibration Reduction) offers effects equivalent to using a shutter speed 4 stops faster. Excellent dust and water resistance.

Meniscus protective glass element. Focus preset possible. Lens construction: 15 elements in 12 groups (plus one Meniscus Protective Lens)

Minimum focusing distance: 5m/16.4 ft. (AF) 4.8mm/15.7 ft. (MF)

Maximum reproduction ratio: 1/7.4x (AF) 1/7.1x (MF) Filter attachment size: 52mm

### 10.5mm f/2.8G ED DX FISHEYE-NIKKOR



The world's first fisheye lens developed for the Nikon DX Format digital SLRs. This lens enables a unique 180-degree picture angle, close-focusing down to 14cm and the kind of incredible depth-of-field (DOF) properties characteristic of fisheye lenses.

Lens construction: 10 elements in 7 groups Minimum focusing distance: 0.14m/0.46 ft. Maximum reproduction ratio: 1/5x

### 16mm F/2.8D AF FISHEYE-NIKKOR



Full-frame fisheye images with a picture angle of 180° (diagonal). Close-Range Correction (CRC) system provides high performance at both near and far focusing distances. Focuses down to 0.25m

Lens construction: 8 elements in 5 groups Minimum focusing distance: 0.25m/0.85 ft. Maximum reproduction ratio: 1/10x

MICRO LENSES & PC MICRO LENSES

### AF-S 60mm f/2.8G ED MICRO NIKKOR



Popular 60mm macro lens with 1:1 reproduction ratio for use with Nikon FX and DX format digital SLRs. The whisper-quiet autofocus delivered by the Silent Wave Motor (SWM), fixed focal-length internal focus system and non-rotating objective lens makes it ideal for getting really close to subjects. Exceptionally high-quality optics produces outstanding close-up results and makes the lens a viable alternative for general-purpose use.

Lens construction: 12 elements in 9 groups Maximum reproduction ratio: 1x

Minimum focusing distance: 0.185m/0.6 ft. Filter attachment size: 62mm

### AF-S 105mm f/2.8G VR MICRO NIKKOR IF-ED



The AF-S VR 105 f/2.8G IF-ED brings the benefits of vibration reduction (VR) to Macro photography. It offers high-resolution, high-optical performance for both digital and 35mm film format SLR cameras. The SWM (Silent Wave Motor) and IF (Internal Focusing) ensure quiet autofocusing with quick and convenient switching between autofocus and manual operation. Optical performance is enhanced by an ED (Extra-low Dispersion) glass element that minimizes chromatic aberration, and Nano Crystal Coat which drastically reduces flare, enabling finely defined, clear images.

Lens construction: 14 elements in 12 groups
Maximum reproduction ratio: 1x

Minimum focusing distance: 0.314m/1 ft. Filter attachment size: 62mm

### AF-S DX MICRO NIKKOR 85mm f/3.5G ED VR



Compact and lightweight DX format Macro lens with high-quality optics. Equipped with Nikon's second generation Vibration Reduction system, it delivers steady images to both the sensor and viewfinder, enabling more flexible hand-held shooting. The 1:1 reproduction ratio enables life-size close-ups of extremely fine textures and details. The smooth autofocus delivered by the Silent Wave Motor combined with the internal focus system make it ideal for getting really close to subjects. Easy to handle, this is the perfect lens with which to explore the world of close-up photography.

Lens construction: 14 elements in 10 groups Maximum reproduction ratio: 1x

Minimum focusing distance: 0.286m/0.9 ft. Filter attachment size: 52mm

### 24mm f/3.5D ED PC-E NIKKOR



Perspective Control (PC-E) wide-angle NIKKOR for architecture and landscape photography that delivers class-leading levels of tilt and shift movement. Equipped with Nano Crystal Coat and Extra-low Dispersion (ED) glass lens elements for a superior optical performance with today's high-resolution digital SLRs. Includes electronic control of aperture and manual focusing for use with cameras equipped with electronic rangefinders. It offers +/-11.5mm shift and +/-8.5° tilt capability. Aperture range of f/3.5 – f/32. Preview button with electronic aperture control.

Closest focusing distance: 0.25m. Minimum focusing distance: 0.21m/0.75 ft. Filter attachment size: 77mm Lens construction: 13 elements in 10 groups Maximum reproduction ratio: 1 /2.7x

### 45mm f/2.8D ED PC-E NIKKOR



Perspective Control (PC-E) standard NIKKOR optically designed to maintain a natural-looking perspective, used in specialized photography such as studio and architecture. Features Nano Crystal Coat for a superior optical performance with modern high-resolution digital SLRs. 45mm standard NIKKOR with +/-11.5mm shift and +/-8.5° tilt capability. Revolution +/-90° (in 30° increments). ED (Extra-low Dispersion) glass to ensure high resolution and contrast. Aperture range of f/2.8 – f/32. Preview button with electronic aperture control.

Lens construction: 9 elements in 8 groups Maximum reproduction ratio: 1 /2x

Minimum focusing distance: 0.253m/0.83 ft. Filter attachment size: 77mm

### 85mm f/2.8D PC-E NIKKOR



Perspective Control (PC-E) telephoto NIKKOR with high-quality optics designed to be ideal for portraits and product photography. Features Nano Crystal Coat for a superior performance with modern high-resolution digital SLRs. 85mm telephoto NIKKOR with +/-11.5mm shift and +/-8.5° tilt capability. Revolution +/-90° (in 30° increments). Aperture range of f/2.8 – f/32. Preview button with electronic aperture control. Closest focusing distance: 0.39m. Maximum reproduction ratio: 1:2.

Lens construction: 6 elements in 5 groups Maximum reproduction ratio: 1 /2x Minimum focusing distance: 0.39m/1.3 ft. Filter attachment size: 77mm

**NIKON** SPEEDLIGHTS

### **TC-14E II TELECONVERTER**



Increases the focal length of your AF-S Nikkor by 1.4 times, with just one aperture stop loss. Increases the original focal length by 40%. Reduces lens aperture by one f-stop. Autofocus possible with AF-S and AF-I Nikkor lenses

NIKONOPAEDIA

### **TC-17E II TELECONVERTER**



Compact and lightweight with a powerful 1.7x magnification factor and just 1.5 stop exposure compensation for the AF-S, the AF-I and the VR telephoto lenses. Compatible with AF-S and AF-I lenses. Compact size, 31.5mm thick, 7mm thicker than the TC-14E II. Supports Nikon VR function. Minimal exposure compensation of just 1.5 stops

### TC-20E III TELECONVERTER



High-performance teleconverter that doubles the effective focal length of certain NIKKOR lenses without increasing the closest focusing distance. As the world's first teleconverter to incorporate an aspherical lens element, it offers images with outstanding resolution and contrast. Compact and lightweight, it is a cost-effective and practical solution for those times when it is not possible to carry an extra telephoto lens with you.

Advanced optical design offers outstanding image quality to meet the demands of Nikon FX-format camera users. Increases the focal length of a lens by 100%\*. Aspherical lens element: minimizes distortion for superior contrast and resolution. Compact and lightweight body. Compatible with certain NIKKOR lenses.

### **SPEEDLIGHT SB-900**



Professional i-TTL Speedlight compatible with Nikon FX and DX format SLRs, and part of the Nikon Creative Lighting System. This powerful Speedlight offers photographers extensive creative opportunities for their flash photography. Three illumination patterns - Centre-weighted, Even and Standard - provide total control over flash coverage and it covers a class-leading auto-zoom range of 17-200mm in just 1.2 seconds. Advanced features include a booster circuit that enables high-speed recycling using four AA-type batteries and a built-in thermal protection system to warn of excessive heat build-up. The SB-900 can automatically detect the presence of a fluorescent or incandescent colour filter and transmit this information to the attached camera's white balance setting, and its firmware can be upgraded via the camera body.

### **SPEEDLIGHT SB-700**



Versatile, easy-to-use Speedlight, compatible with Nikon FX and DX format SLRs, and the Nikon Creative Lighting System. Incredibly intuitive to operate, it boasts a range of advanced functions that make it simple to manage the quality and direction of light. Three illumination patterns provide total control over flash coverage and the easily accessible A:B mode enables wireless control of multiple flash units. With a compact body, it is the ideal piece of kit to have at hand when you want to shoot creatively or attain more balanced images in tricky lighting situations.

### **CLOSE-UP SPEEDLIGHT KIT R1C1**



The ultimate Speedlight system for creative, wireless close-up photography. Unique Wireless Speedlight system kit for fully automatic close-up photographic exposures. The kit comprises of two SB-R200 Remote units attached to the lens and a SU-800 Commander unit attached to the cameras i-TTL metering system. All exposure and triggering communication is carried out using infrared wireless communication. The kit includes adaptors for frontal lighting, filters, and adaptor rings for the most popular Nikkor lens filter screw threads. Additional SB-R200 units or SB-900, SB-700 and SB-600 units can also be controlled by the SU-800 to offer the ultimate Creative Lighting System flexibility either indoors or in the field. Complete Wireless Close-up lighting kit. Includes 2 SB-R200 Remote Speedlight units, SU-800 Wireless Commander unit, SW-12 Diffusers for frontal lighting. Adaptor rings for 52/62/67/72/77mm screw threads.

## THE GRAYS OF WESTMINSTER TEAM at a planee...

### PART I

Grays of Westminster, the multi-award-winning, exclusively Nikon dealer, described by *Professional Photographer* magazine as "The High Church of Nikon", is celebrating twenty-five years in the photographic industry. Over the next few issues of the *Grays of Westminster Gazette*, we would like to invite you to find out more about some of the people who have helped to successfully create the many different faces and facets of Grays of Westminster. In this issue we have focused on Gray Levett, Uri Zakay, Gillian Greenwood and Tabitha Hardy.



Gray Levett

Gray Levett is the founder and coowner of Grays of Westminster. He has been involved with the Nikon brand since 1971.

He started his career as a rock music photographer, and his work has appeared on album covers, book covers and magazines nationally and internationally. He moved to Los Angeles where he worked in Hollywood for a number of years as a writer and photographer for *Ad Astra* magazine. His workload straddled both the music and the movie industries, and to this day he still maintains strong contacts there.

When he started Grays of Westminster twenty-five years ago, he was delighted to enjoy the patronage of legendary film director Stanley Kubrick as a long-term client.

Today, Grays of Westminster not only looks after the needs of Nikon photographers the world over but also the interests of clients and film companies in Hollywood, Bollywood and the UK, as well as a plethora of other countries.

Gray is an acknowledged expert on the history of Nikon and has written extensively on the subject.

He is the co-founder and editor of *Nikon Owner* magazine, a Fellow of the Institute of Directors (IoD), a member of the London Press Club, The Explorers Club in New York, the Nikon Historical Society as well as the Royal Photographic Society for whom he has lectured.







### Uri Zakay

Uri Zakay, together with Gray Levett, is the co-owner of Grays of Westminster. In addition, he also co-founded *Nikon Owner* magazine and is the Finance Director of both companies, having formerly been the Sales Director over the previous ten-year period of unprecedented expansion for *Grays of Westminster*.

This achievement was acknowledged internationally by awards from Nikon UK and Nikon Japan. His current role also includes broadening Grays of Westminster's international business contacts throughout the world, which regularly sees him crossing the globe. He categorically believes in providing the ultimate service for the client: "It was always a personal dream to create or work within the perfect retail business which would give the customer everything they came for and much more. At Grays of Westminster I have found the perfect vehicle for that dream." ■

### Gillian Greenwood

Gillian Greenwood is the features editor of both the Grays of Westminster Gazette and Nikon Owner magazine as well as the Training and Events Director at Grays of Westminster. She organizes the great variety of events, seminars and workshops which Grays of Westminster regularly provides for its customers. In addition, she has written numerous articles which include comprehensive interviews and profiles of a wide range of photographers. When her acclaimed history of Nikon and Grays of Westminster – In the Company of Legends was published, the distinguished actor and photographer David Suchet C.B.E. (world-famous for his portrayal of Hercule Poirot) was the guest speaker at her book launch at Sir Terence Conran's restaurant, Quaglino's, London. She is a member of the Institute of Directors (IoD) and the London Press Club. She is currently working on the third of a series of thrillers.

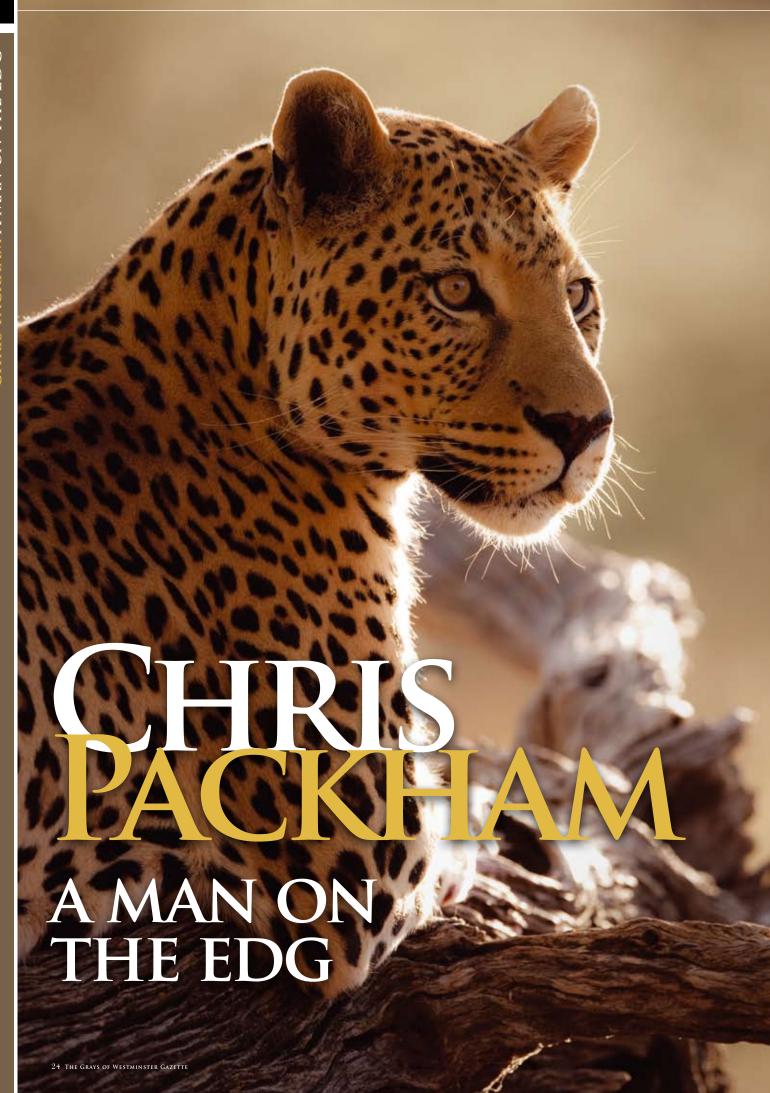
### Tabitha Hardy

Tabitha Hardy is the Sales Director at Grays of Westminster and has been working for the company since 1994.

She was originally the Personal Assistant to Gray Levett, working within the administrative side of the company, but moved into the Sales Department in 2007. She now runs the sales team, ensuring that all the customers that pass through Grays of Westminster are happy with both the Nikon equipment they are purchasing and the service that is provided. She is also in regular communication with the client-base by email, which includes sending out an informative Grays of Westminster e-newsletter.

In addition, she is in charge of the administration of servicing and repairs of Nikon equipment. She strives constantly to maintain the level of exemplary service of Grays of Westminster.







Chris Packham – award-winning wildlife photographer, passionate conservationist and respected broadcaster and author – has been enthusing and inspiring children and adults alike with his infectious love of the natural world for over twenty years.

Spending much of his time out in the elements, he needs portable, versatile gear that can withstand both the knocks and the weather, and high quality binoculars for spotting photo opportunities are as essential a part of his kit as his Nikon D3X and D3S FX-format pro DSLRs are for capturing them.

"What I need is long-term use," he says. "I look after my gear but if you're working every day, the wear-and-tear factor is high, so everything has to be rugged." Since the summer he has been using a pair of 10x42 binoculars from Nikon's new EDG range. They are designed specifically to cope with the rigours of nature watching and trekking, with a distinctive, tough rubber armouring over a lightweight, magnesium-alloy, waterproof body and an optical design that maximises light transmission for the bright, clear images that can make all the difference in the field.

Chris has been using Nikon binoculars for several years, and has always found them as tough and hard-wearing as his Nikon cameras, which are renowned for the ruggedness of their build-quality. He recalls having to leave a Nikon camera and binoculars in sub-zero conditions in a white-out, and cracking the ice off them when he managed to get them back inside. "I defrosted them and they worked fine – the binoculars didn't leak at all."

The new EDGs are made of similarly stern stuff. Over the last six months Chris has put them through their paces every single day, whether dolphin-watching in the Moray Firth, up Cairn Gorm, on a trip to Guatemala to see scarlet macaws or bird-spotting while walking his two dogs for hours every morning. Even when he's back in his New

Forest home the EDGs get no rest; he keeps them on hand in the kitchen for checking on garden wildlife. "I don't even have a case – I just wrap them in a T-shirt for travelling – and they still look like they've come straight out of the box," he says. "The fog-proofing and waterproofing are perfect – they've been soaked by a huge wave on a boat trip and were absolutely fine."

With all this use, the EDG's lightweight design is really important for Chris. "I prefer 10x magnification over 8x, and because these 10x42s are so light, I don't have a problem holding them steady. My first binoculars were twice as heavy and my neck would soon be aching; that just doesn't happen with these, even with hours of use and with a camera round my neck at the same time. The strap is wider than I've used before and very comfortable, which helps.

"As for optical quality, I was using my EDGs taking pictures in the snow the other night

and they were very, very bright – they're undoubtedly the brightest binoculars I've ever had. They're also astonishingly sharp right to the edge of the frame, which is a real measure of their quality.

"I've been using Nikon since 2002, and in that time the binoculars have got lighter and brighter and the build-quality has got even better. They maintain their looks and they last well. I like them very, very much."

You can see Chris's photography at www.chrispackhamphotos.com





I've been using Nikon since 2002, and in that time the binoculars have got lighter and brighter and the build-quality has got even better. They maintain their looks and they last well.

I like them very, very much.

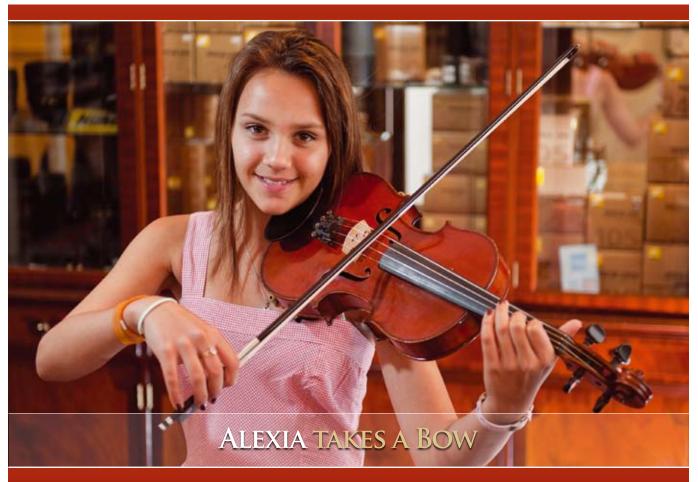


### Nikon Accessories



The world's widest range of Nikon accessories, a small selection of which includes: AN neck straps, AR releases, AS flash couplers, BR lens reversing rings, CPL internal filters, DK eyecups & eyepieces, correction lenses, DA, DE, DG, DR, DW finders & magnifiers, lens hoods, LF & BF caps, MB battery packs, MD motor drives, MC control units, ML (infrared) releases, PB bellows and accessories, PK and PN-rings, filters all sizes, SC coupling cables, SK flash power brackets and much more...





In August last year at Grays of Westminster we were privileged to listen to the first public violin recital by Alexia Marie Lopez, the daughter of a long-term customer. Alexia played a number of pieces for us including the *Grand Russian Fantasia* by Leo Portnoff and *Sarabande in G Minor* by Carl Bohm.

Alexia is a rare combination of talent, beauty and grace.

### ENTER OUR BOOKSHOP...



"There is no frigate like a book, to take us lands away." ~ Emily Dickinson

Overseas orders please contact us for a quote for shipping: info@graysofwestminster.co.uk

### Magic Lantern Guide: Nikon D3x/D3s by Simon Stafford



Nikon's two flagship D-SLR cameras are described comprehensively in this new book. Completely redesigned and in full colour, the book has nearly 400 pages, and comes with a laminated quick

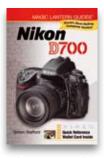
reference card; packed with information explaining how to use the cameras to their maximum potential, it contains plenty of hints and tips that you will not find in the manual, together with numerous pictures that taken by the author using the cameras.

This title joins Simon Stafford's other books in the Magic Lantern Guide book series on the Nikon D3, D700, D300, D200, D80, D70/70s, D60, D50, D40x, D40 and the Nikon AF Speedlight system.

£15.00 plus £3.00 postage & packing within the UK.

### Magic Lantern Guide: Nikon D700

by Simon Stafford



The second Nikon D-SLR camera to have a sensor with the dimensions the same as a 35mm film frame, the D700 features the 12.1 mega-pixel Nikon FX-format CMOS sensor used in the multi-award winning

Nikon D3, providing the same superlative performance at high ISO settings. The D700 also has the same 51-point auto-focusing system, 3D Colour Matrix metering II, and the added benefit of a built-in sensor cleaning mechanism. The D700 is a compact and relatively lightweight camera, ideal for the travelling photographer.

It incorporates the innovative Nikon Picture Control System and Scene Recognition, and provides full compatibility with the Nikon Speedlight Creative Lighting System, with its built-in flash capable of being used as a commander unit to control and operate compatible Nikon Speedlights, wirelessly.

The book has 416 pages, and is supplied with a laminated quick reference card; packed with information explaining how to use the camera to its maximum potential, it contains plenty of hints and tips that you will not find in the manual, together with numerous pictures taken by the author.

£15.00 plus £3.00 postage & packing within the UK.

### Nikon D300s: Magic Lantern Guide by Simon Stafford



In the D300s the Nikon Corporation has taken everything that made the D300 such a phenomenal success and added a 720p HD video recording feature, with enhanced lens aperture control options,

contrast detect autofocus, and an external microphone capability, plus refinements to camera operation, including a faster frame rate, twin memory card slots, improved autofocus speed and accuracy, a quiet shutter release option, and dedicated Live View button.

Incorporating the same 12.3 megapixel Nikon DX-format CMOS sensor as the D300, which is supported by the innovative EXPEED image processing technology, a 3-inch, 920,000-dot LCD screen, 11-point autofocusing system, 3D Colour Matrix metering II, Nikon Picture Control System, and Scene Recognition System that helps improve the performance of auto-exposure, autofocus, and auto-white balance, and full compatibility with the current range of Nikon Speedlights and the Creative Lighting System, the D300s is the new flagship of the Nikon DX-format D-SLR camera range.

Completely re-designed and in full colour, the book has 374 pages, and is supplied with a laminated quick reference card; packed with information explaining how to use the camera to its maximum potential, it contains plenty of hints and tips that you will not find in the manual, together with numerous pictures taken by the author.

£15.00 plus £3.00 postage & packing within the UK.

### Nikon D90: Magic Lantern Guide

by Simon Stafford



Heralded as the first digital SLR camera to feature a high definition video capability, the Nikon D90 adds an extra dimension to a host of features for stills photography inherited from the award-winning D300.

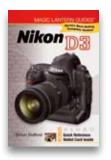
Incorporating a 12.1 mega-pixel Nikon DX-format CMOS sensor supported by the innovative EXPEED image processing technology, a 3-inch 920,000 dot LCD screen, 11-point autofocusing system, 3D Colour Matrix metering II, Live View, the latest Nikon Picture Control System, plus Nikon's ground-breaking Scene Recognition System with integrated Face Recognition system that helps improve the performance of auto-exposure, autofocus, and auto-white balance, and full compatibility with the Nikon Speedlight Creative Lighting System, the D90 is a highly specified midrange camera.

The book has 416 pages, and is supplied with a laminated quick reference card; packed with information explaining how to use the camera to its maximum potential, it contains plenty of hints and tips that you will not find in the manual, together with numerous pictures taken by the author.

£15.00 plus £3.00 postage & packing within the UK.

### **Magic Lantern Guide: Nikon D3**

by Simon Stafford



The first Nikon D-SLR camera to have a sensor with the same dimensions as a 35mm film frame, the multiaward winning D3 has changed the way professional photographers working in the fields

of news, sport, journalism, wildlife and many other disciplines shoot their pictures.



The superlative performance of this camera, particularly at high ISO settings, has opened up many new possibilities when shooting in conditions of low light. Incorporating a 12.1 mega-pixel Nikon FX-format CMOS sensor, 51-point autofocusing system, 3D Colour Matrix metering II, the new Nikon Picture Control System, plus Nikon's innovative Scene Recognition System that helps improve the performance of autoexposure, autofocus, and auto-white balance, and full compatibility with the Nikon Speedlight Creative Lighting System, the D3 is capable of shooting at 9 fps in the FX format; it is a professional grade camera in every sense.

The book has 384 pages, and comes with a laminated quick reference card; packed with information explaining how to use the camera to its maximum potential, it contains plenty of hints and tips that you will not find in the manual, together with numerous pictures taken by the author using the camera.

£15.00 plus £3.00 postage & packing within the UK.

### Nikon D3000: Magic Lantern Guide

by Simon Stafford



The D3000 is the entry-level camera to the Nikon D-SLR system, replacing the venerable D60, and drawing on many of the innovative features of the recently released D5000, it also incorporates the

new 'Guide Mode', a highly descriptive text and graphic interface to assist the beginner, or less experienced enthusiast photographer.

Incorporating a 10.2 mega-pixel Nikon DX-format CCD sensor supported by the innovative EXPEED image processing technology, a 3-inch, 230,000-dot LCD screen, 11-point autofocusing system, 3D Colour Matrix metering II, the Nikon Picture Control system, plus the Scene Recognition System that helps improve the performance of auto-exposure, autofocus, and auto-white balance, and

full compatibility with the current range of Nikon Speedlights and the Creative Lighting System, the D3000 is a very capable and flexible tool.

Completely re-designed and in full colour, the book has 304 pages, and comes with a laminated quick reference card; packed with information explaining how to use the camera to its maximum potential, it contains plenty of hints and tips that you will not find in the manual, together with numerous pictures taken by the author.

£15.00 plus £3.00 postage & packing within the UK.

### Nikon D5000: Magic Lantern Guide

by Simon Stafford



The D5000 offers the benefit of refined features drawn from the Nikon D90 and D300 cameras, for both stills photography and HD video recording.

Incorporating a 12.3 mega-

pixel Nikon DX-format CMOS sensor supported by the innovative EXPEED image processing technology, a 2.7-inch, variable angle, 230,000-dot LCD screen, 11-point autofocusing system, 3D Colour Matrix metering II, Live View, the Nikon Picture Control System, plus the Scene Recognition System that helps improve the performance of auto-exposure, autofocus, and auto-white balance, and full compatibility with the current range of Nikon Speedlights and the Creative Lighting System, the D5000 is a highly specified mid-range camera.

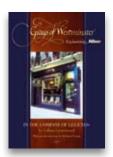
Completely re-designed and in full colour, the book has 352 pages, and is supplied with a laminated quick reference card; packed with information explaining how to use the camera to its maximum potential.

it contains plenty of hints and tips that you will not find in the manual, together with numerous pictures taken by the author.

£15.00 plus £3.00 postage & packing within the UK.

### Grays of Westminster: In the Company of Legends

by Gillian Greenwood



Gillian Greenwood's superb, illustrated account of the history of Grays of Westminster and the history of the Nikon camera brand. The anecdotal style of the book provides an in-depth understanding

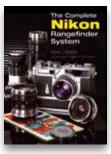
of Grays of Westminster, telling the story of Grays of Westminster's development from its modest beginnings as a mail-order company to its present incarnation. Those at all interested in the world of international photography and celebrity need to get this eclectic, dynamic study of the world's most famous camera shop, which is a "business biography" in essence, but in practical terms is also a socio-political review, a technical history of Nikon, and so much more.

Normal Price £25.00 **Special price £15.00!** Hardcover: 144 pages, 103 illustrations many in colour.

Amazon \*\*\*\*\* "...fascinating history of the legendary Nikon dealer delights with insights into the establishment of one of the world's most beloved specialty shops."

### The Complete Nikon Rangefinder System

by Robert J. Rotoloni



Written by the founder of the Nikon Historical Society and publisher of the Nikon Journal, this huge new edition has 1350 black and white illustrations plus 24 pages of full colour by

master photographer Tony Hurst.

It is a most comprehensive guide to Nikon's rangefinder system.

Hardcover, 528 pages, size: 26 x 19.5cm. Weight: 2111g, Cost £55.00 plus £10.00 postage & packing within the U.K.

### Buy the **Nikon** kit you have always wanted on 0% or Low Interest Finance. No Deposit Required.



As an option to conventional methods of payment, we are able to offer several financial schemes to make it possible for you to buy the Nikon lenses and bodies you have always wanted.

Once you have selected the Nikon items to be purchased, providing your order is not less than £1000.00, you can choose from one of our three finance schemes which run over a period of 6, 24 or 36 months. Each financial option is available for new or second-hand

purchases or both, and a deposit is not required.

Whichever scheme you choose, the arrangements can be made by telephone or in person.

The interest-free option offers repayments by 6 equal monthly instalments. The APR is 0%.

The 24-month and 36-month plan are alternative methods of repayment. The interest charged is 9.9% APR.

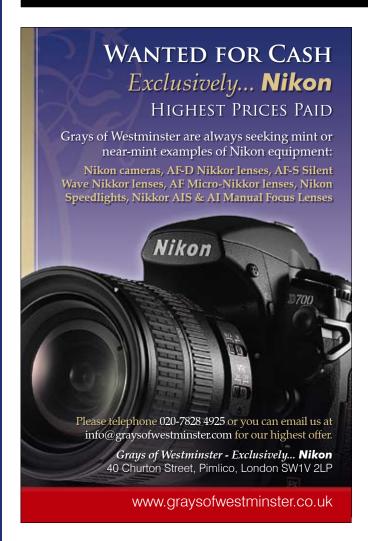
Please note that a part-exchange of your Nikon or non-Nikon equipment could be considered as part of the transaction.

If you require any further information please contact Grays of Westminster by telephone on 020-7828 4925.

This scheme is available to UK and Northern Ireland residents only.

Final approval for each transaction is given by Hitachi Capital Consumer Finance.

Grays of Westminster is a licensed credit broker.



### PRIORITY <mark>Nikon</mark> e-Newsletter Service

 Be first with the latest Nikon News! Enroll now and you could win a Gift Certificate from Grays of Westminster worth £250.00



Subscribe to our free E-mail Newsletter during our 25th Year, and over the next twelve months you will be the very first to hear of our special 25th anniversary offers by regular email.

This is in addition to the most up-to-date news on Nikon equipment (digital and film, new and second-hand), seminars, workshops, special trips and events - in fact all matters Nikon. Your name will also be entered into a special silver anniversary prize draw to win a Grays of Westminster Gift Certificate worth £250.00; to qualify please enroll by 1st June 2011.

Go to the welcome page www.graysofwestminster.co.uk and enter your email address at: Subscribe to our Newsletter or email us your request to: info@graysofwestminster.co.uk

### GRAYS OF WESTMINSTER

proudly presents by public demand

THE 15TH ANNUAL

### HEATHER ANGEL

### WILDLIFE & NATURAL HISTORY WORKSHOP

### WITH **Nikon** UKAND **thinktank**

SATURDAY 23RD JULY, 2011 SAINT HILL MANOR, EAST GRINSTEAD West Sussex, England







Test-drive new Nikon equipment

Workshops with renowned photographer Heather Angel

Experience the beauty of Saint Hill Manor in Sussex

Heather Angel, the internationally renowned wildlife photographer, has been the recipient of a large number of awards and prizes from all over the world for her widely acclaimed lectures, writing and workshops. In addition she is a regular contributor to the worldwide photographic press and the distinguished author of sixty books.

Heather Angel is an enthusiastic tutor of wildlife and nature photography, and these world-famous workshops each July at Saint Hill Manor have become part of the photographic calendar. They are perfect for both the newcomer and experienced photographer alike. The schedule for the day includes lectures, demonstrations and the chance to handle and use a large range of new Nikon camera equipment and the range of Think Tank camera bags. Her workshops regularly attract visitors from all over the U.K., Europe and throughout the world.





### **BOOKING DETAILS:**

The ticket price includes refreshments, lunch and the evening meal, and costs £245.00 (£185.00 for Nikon Owner magazine subscribers) per person for the day. This year's workshop starts at 9.15 a.m. and runs until 5.00 p.m., followed by dinner. BOOK TODAY: You can book a place by telephoning +44 (0)20 7828 4925 Monday to Friday 10 a.m. to 5.30 p.m. Saturday 10 a.m. to 1.00 p.m. or book online at: www.graysofwestminster.co.uk

