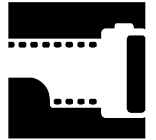


# Point of View



## Newsletter of the McLean Photography Club



### President's Message *Bill Prosser*

Well, we started the new year off with a bang—a great program, Nancy Libson talking about travel photography, arranged by Mona Smith; and an advertisement placed by Rosemarie Bowie and printed by the *Washington Post* resulted in 21 visitors, four of whom became members. Let us welcome Kristin Roberts, Muriel & Merwin Peake, and John Hughes-Caley our newest members.

Please plan on participating in this month's competition. This is a good way to get feedback on your work and see what other members are doing. Competition is designed to be educational and afford you an opportunity to learn more about making a photographic image. If you have any questions about participating or the competition rules, Margaret Huddy, Competition Chairman, is more than happy to answer them.

Also plan on attending the Meadowlark Exhibit, February 12 & 13. It is a wonderful opportunity to see gorgeous nature and wildlife pictures.

### February Program: Competition Judge: Andy Klein

February 9 we will have our second club competition. Our judge, Andy Klein, began "shooting" in his early teens. An Argus was followed by a Kodak Retina CIII. Leicas and Nikons are his equipment of choice. The black and white darkroom was part of his living space in college and beyond. He found part-time work to help pay for school by teaching B&W darkroom and taking pictures for a law firm in support of an odd collection of legal cases. A stint doing some part-time wedding photography also helped pay the bills and taught him some pretty interesting things about weddings – brides and mothers in law.

He enjoys teaching and has found venues along the way to share what he has learned. along the way. Andy often serves as a competition judge – one who is known to use it as a teaching and coaching opportunity.

Andy is a member of Northern Virginia Photographic Society, has been an officer in one role or another for years. He likes to think of himself as a "people" photographer.

### Wanted: BLUE HERON PICTURES



The February Challenge is *Blue Herons*. This topic was set in conjunction with the Meadowlark Gardens Exhibit. Each of the Northern Virginia Alliance's clubs is eligible to submit one club entry for a competition to select a winning image for the Special Northern Virginia Regional Park Authority 2005 Photo Contest. Exhibit attendees will vote for the winner among club entries. MPC will pick its Blue Heron entry at the February 9 meeting. Members will vote to select the winning entry. Please don't be shy—submit an entry. If you have any questions about entry rules, contact Tony Hathaway: Tel: (703) 281-9127; email: [TonyHath@Cox.net](mailto:TonyHath@Cox.net).

(Meadowlark Exhibit Information: <http://www.meadowlarkphotoexhibit.com/>)

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### MPC's Quick-Look February Calendar

**Program:** Feb. 9 (Wed), Competition. Meet & Greet, 7:00 pm. Meeting starts at 7:30 pm.

## Upcoming Activities

### For the Northern Virginia Alliance of Camera Clubs (NOVACC)

The "Alliance" is an informal organization started in the spring of 1997 by Joseph Miller with the assistance of Dave Carter and Ed Funk. Its purpose is to promote communication and cooperation among camera clubs. Each Virginia member club agrees to publish in its newsletter a calendar of open events for the current month held at other Virginia member clubs. Check out the NOVACC site at <http://www.nvps.org/NOVACC.html>.

**(As a member of the McLean Photography Club, you may attend any of the activities listed below.**

***If you plan to attend an event, it may be best to verify its time and place beforehand.***

***The information on this page has not been verified.)***

#### Loudoun Photography Club

**Contact:** Lisa Duncan at (703) 725-2931 or [LoudounPhotoClub@cox.net](mailto:LoudounPhotoClub@cox.net). **Website:** <http://www.loudounphoto.org>.

Meetings are held on the 1<sup>st</sup> Tue. at 7:00 pm at the Ashburn Library, 43316 Hay Road, Ashburn, Va., or as indicated.

**Program:** Feb. 1 (Tue), Studio Lighting with Brandon Landas at Eastern Loudoun Regional Library (note change from normal venue of Ashburn library).

**Competition:** Feb. 15 (Tue), Open Competition with Esta Gladstone judging.

**Exhibit:** Feb. 12 & 13 (Sat. & Sun), Meadowlark Photo Exhibit, at Meadowlark Gardens in Vienna Virginia.

#### Manassas Warrenton Camera Club

**Contact:** Andrew Jezioro (703) 361-8542 or [ajeziro@comcast.net](mailto:ajeziro@comcast.net). **Website:** <http://www.mwcc-photo.org>.

Meetings are held on the 1<sup>st</sup> and 3<sup>rd</sup> Thur. at 7:30 pm, Manassas City Hall, Old Town Manassas, or as indicated.

**Program:** Feb: 3 (Thur), Night Visions by Dave Carter and Gary Silverstein.

**Competition:** Feb 17 (Thur), "Macro."

**Field Trip:** Jan. 29 (Sat), Zoo Photography (Meet at Manassas City Hall at 7:30 am).

#### McLean Photography Club

**Contact:** William Prosser at (703) 821-2670 or [prosserwm@aol.com](mailto:prosserwm@aol.com). **Website:** <http://www.mcleanphoto.org>.

Meetings are held on the 2<sup>nd</sup> Wed. at 7:30 pm (meet & greet at 7:00 pm), McLean Community Center, or as indicated.

**Competition:** Feb. 9 (Wed); Judge: Andy Klein.

#### Northern Virginia Photographic Society

**Contact:** Carl Zelman at (703) 404-4769 or [reston@aol.com](mailto:reston@aol.com). **Website:** <http://www.nvps.org>.

Meetings are held at 7:45 pm at Dunn Loring Fire Station, 2148 Gallows Rd., Dunn Loring, Va.

**Program:** Feb. 1 (Tue), *Creative Fine Art Flower Photography or (It's Not About the Camera)* by Bert GF Shankman.

**Competition:** Feb. 15 (Tue), Judge Walter Calahan.

**Workshop:** Feb. 8 (Tue), Multiple Flash Lighting for Portraits in a Home Studio. Fred Chitty. Location is the Fairfax County Government Center, 12000 Government Center Pkwy, Fairfax, VA, meeting room number 8. Call or e-mail Fred Chitty, (703) 493-8530, [chittyfc@bp.com](mailto:chittyfc@bp.com).

**Forum:** Feb. 22 (Tue). Cory Hilz, The Intimate Landscape.

#### Reston Photographic Society

**Contact:** Jim Schlett at (703) 476-6538 or [rpschair2@leagueofrestonartists.org](mailto:rpschair2@leagueofrestonartists.org).

**Website:** <http://www.leagueofrestonartists.org/>.

Meetings are held at 7:30 pm at RCC Hunters Woods, rooms 3 & 4.

**Program:** Feb. 21 (Mon), 7:30–9:30 pm, Hunters Woods RCC Colleen Henderson — PHOTOSHOP. Colleen will explore the aspects of Adobe Photoshop that can be used to alter, modify, and improve your photographs after you have clicked the shutter. This program is geared toward the basics of Photoshop.

**Exhibition:** Small Works show—see web site under "shows" for application form.

#### Vienna Photographic Society

**Contact:** Dave Biehler at (703) 533-8318 or [DABiehler@aol.com](mailto:DABiehler@aol.com); Warren Standley at (703) 979-3838 or [VPSEditor@verizon.net](mailto:VPSEditor@verizon.net). **Website:** <http://www.safeport.com/vps>.

Meetings are held on the 1<sup>st</sup> and 3<sup>rd</sup> Wed. at 7:30 pm in the main lecture hall of the Thoreau Middle School, 2505 Cedar Lane, Vienna, VA.

**Program:** Feb 2 (Wed), with Tony Sweet presenting on "Fine Art Flower Photography."

**Competition:** Feb 16 (Wed), with judge Bob Tope, honored artist, author and photographer, freelancing after a career with National Geographic, pursuing his lifelong commitment to conservation.

**Field Trip:** Feb 19 (Sat), the annual "Snow and Show Tour of DC" at the National Gallery of Art to view the exhibit of work by Andre Kertesz, followed by lunch. Contact Bill Kyburz at [wkyburz@cox.net](mailto:wkyburz@cox.net) for additional information.

The Editors would like to thank **McLeanCopy** for printing this newsletter free of charge. For quality printing at very reasonable prices, contact Gregory Lehr, (703) 827-5734 or [glehr@mclean-copy.com](mailto:glehr@mclean-copy.com).

# Meadowlark Nature Photography Exhibition

February 12 - 13, 2005

10 a.m. to 4:30 p.m.

Meadowlark Botanical Gardens  
Vienna, Virginia

[www.MeadowlarkPhotoExhibit.com](http://www.MeadowlarkPhotoExhibit.com)

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## WORKSHOPS AND PHOTOGRAPHY CLASSES

### DOCUMENTARY PHOTOGRAPHY WORKSHOP Tilghman Island, Maryland with Nancy Libson

Our January Speaker, Nancy Libson, will lead a workshop April 29 - May 1, 2005, at Harrison's Chesapeake House on the Eastern Shore. She will explore the subtleties of photographing people and the land. Students will learn to photograph with natural light and to see with the camera. The workshop is for photographers comfortable with basic camera techniques and is ready to discover a variety of subject matter.

For more information, contact: Nancy Libson, (202) 244-6271; email: [nlibson@erols.com](mailto:nlibson@erols.com). Workshop fee: \$300.00. Accommodations: \$211 or \$283 for two nights lodging, two breakfasts, two dinners, tip, and tax.

### SUNDAY PHOTOGRAPHY CLASSES Meadowlark Botanical Gardens with Bill Folsom

Bill Folsom, the resident photographer at Meadowlark Botanical Gardens and previous speaker at our club, is conducting two hour photography classes at the gardens on Sundays during January and February 2005. The classes run from 10 am to noon and 1 pm to 3 pm. A variety of topics are to be presented and include: 100 Pro Tips for Better Photography, Manipulating Digital Images, Introduction to Photography, Intermediate Photography, Advanced Photography, Introduction to Digital Photography, and Art of Composition.

For more information and to make reservations, call: (703) 255-3631. You can find more information at <http://www.wfolsom.com>. Class fee: \$50.

## MPC is Looking for Graphic or Website Designers

The club is looking for someone to redesign our website masthead and make suggestions to improve the overall visual design of the website: <http://www.mcleanphoto.org>. If you are interested and believe you have graphic art and/or website design skills, contact: Bill Prosser, Tony Hathaway, or Bruce Copping. If you have questions about the website, contact Bruce at (703) 264-8873 or [becopping@cox.net](mailto:becopping@cox.net).



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## IMAGE RESOLUTION AND SIZE

Steve Brabner\*

1. **BASIC UNITS:** The smallest unit of digital data is the BIT (from *Binary digIT*) (b) 1 bit represents 2 states (zero or one).

The smallest unit of computer storage is called a BYTE (B).

A byte is 8 bits and represents  $2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 \times 2 = 256$  possible states.

1024 bytes is called a KILOBYTE (KB).

1024 kilobytes is called a MEGABYTE (MB).

1024 megabytes is called a GIGABYTE (GB).

The smallest unit of an image is called a PIXEL (Picture Element).

The smallest unit of a print is a DOT.

2. **DIGITAL COLOUR:** An image is made up of a grid of pixels, each of one solid colour.

Every colour can be created by mixing different quantities of Red, Green and Blue (called RGB Channels).

For 256 possible shades of red, the amount of red can be described by one byte.

For 256 possible shades of green, the amount of green can be described by one byte.

For 256 possible shades of blue, the amount of blue can be described by one byte.

So each pixel can have  $256 \times 256 \times 256 = 16.7$ million possible colours and requires 3 bytes to fully describe it.

This system is called 8 bit colour or bit-depth. Some components such as scanners now support greater bit-depths, but these are not fully supported by Photoshop and SHOULD BE SWITCHED OFF by beginners.

3. **IMAGE RESOLUTION:** An image of 10 pixels across by 10 pixels down would have a total of  $10 \times 10 = 100$  pixels in total. 100 pixels would require  $100 \times 3 = 300$  bytes to fully describe it in colour. If the image is displayed or printed on a one inch square it would have a RESOLUTION of 10 pixels per inch (ppi). This is also commonly referred to as 10 dots per inch (dpi). **IMPORTANT POINT – resolution is always associated with a physical size. A file has no resolution until it is displayed or printed. For example, to use the phrase “a 75dpi file” is meaningless.**

4. **RESOLUTION / PHYSICAL SIZE / FILE SIZE:** There is a fixed relationship between resolution, physical size and file size. Change one and another MUST change. For example:

A 10x8 inch print at 200 dpi requires  $10 \times 8 \times 200 \times 200 \times 3 = 9.6$ Mb file size.

A 10x8 inch print at 100 dpi requires  $10 \times 8 \times 100 \times 100 \times 3 = 2.4$ Mb file size.

A 5x7 inch print at 100 dpi requires  $5 \times 7 \times 100 \times 100 \times 3 = 1.05$ Mb file size.

5. **HOW MUCH RESOLUTION IS ENOUGH?** Too little resolution results in the pixels getting too large and becoming visible. Too much resolution results in the file size becoming excessive which wastes expensive storage space and slows image manipulation. Rules of thumb:

For screen or internet use only – 72dpi is always sufficient.

For inkjet printing – 200dpi is usually sufficient depending on the quality of the printer and materials.

For high quality magazine reproduction – 300dpi is always sufficient.

NOTHING REQUIRES MORE THAN 300 DPI because this is the most that the human eye can detect.

6. **PRINTERS:** Confusingly, inkjet printers are often advertised with 600dpi, 720dpi, 1440dpi or higher capability. This number is often called resolution but really it's not. This is the a measure of the number of dots of ink per inch that the printer can put on the paper. This measurement is INDEPENDENT of the resolution of the image. If we sent a 200 dpi image to a 600dpi printer it will use  $3 \times 3 = 9$  dots for every pixel. The result is a smoother image NOT a higher resolution image. A 1440dpi printer may use 50 dots for every pixel and will seem to have almost continuous tone with no pixel edges showing at all. This is further improved in some printers by using additional inks and variable dot sizes.

\* Steve has been active in digital photography for over ten years and teaches in Buckinghamshire, England. His work and that of others at the Amersham Photographic Society can be seen at <http://www.amershamphotosoc.com/>. He lived in the U.S. in the mid-1990's. He was an active member of NVPS and early Photoshop aficionado. He and Bill Prosser were early digital advocates together there. He and his wife, Sue, hosted Bill and Ann Prosser on a one week canal boat trip in England last September.

## Note of Appreciation

The Northern Virginia Alliance of Camera Clubs would like to acknowledge the very generous support from the following titanium-level sponsors of this year's Meadowlark Exhibit:

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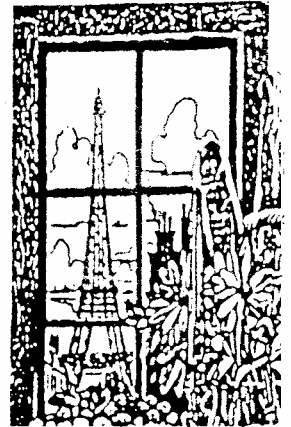
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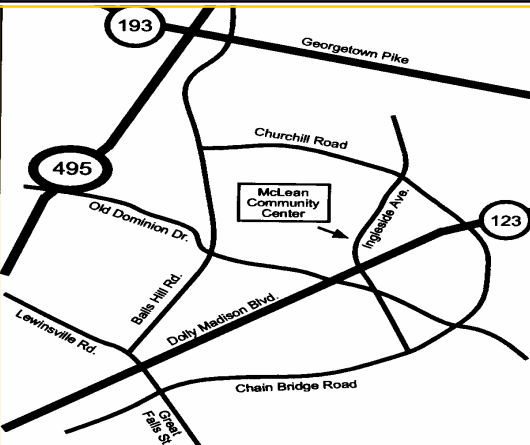
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MPC meetings are held on the second Wed. of each month from Sept. through June, at the McLean Community Center, 1234 Ingleside Ave. Meet & greet from 7:00–7:30 pm. Programs start at 7:30 pm.

**Directions:** The McLean Community Center can be reached from the major intersection of Old Dominion Dr. and Dolly Madison Blvd. (Rt. 123). Go east one block to Ingleside Ave. & turn left.

**Visitors are always welcome!**



See our web site at:  
<http://www.mcleanphoto.org>

**McLean Photography Club's Executive Board**

**Elected Officers**

President	Bill Prosser	(703) 821-2670	prosserwm@aol.com
Vice-President	Minnie Gallman	(703) 356-0865	pggallman@verizon.net
Treasurer	Sue Teunis	(703) 536-9873	sueteu56@aol.com

**Appointed Board Members**

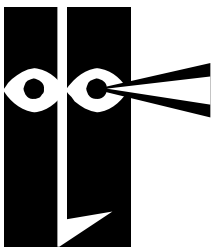
Programs	Mona Smith	(703) 442-8029	mwriter123@yahoo.com
Competitions	Margaret Huddy	(703) 356-2363	mthuddy@aol.com
Membership	Sue Teunis	(703) 536-9873	sueteu56@aol.com
Newsletter Editors	Gary Oddi & Bill Prosser	(703) 437-8316 (703) 821-2670	goddi@erols.com prosserwm@aol.com
Members' Gallery	Rosemarie Bowie & Minnie Gallman	(703) 522-0648 (703) 356-0865	rbowie@bonzai.net pggallman@erols.com
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Technical Advisor	Bill Prosser	(703) 821-2670	prosserwm@aol.com

**Annual dues are \$25 for individuals and families; \$10 for full time students.**

**DEADLINE FOR MATERIAL FOR MARCH'S NEWSLETTER IS FEBRUARY 15<sup>th</sup>**  
(the sooner the better)



**Gary Oddi**  
Newsletter Co-Editor  
McLean Photography Club  
11891 Fawn Ridge Lane  
Reston, VA 20194



*All members are invited to send photography related articles, tips, quotations, and/or technical or artistic questions to be included in the Newsletter. Contributions should reach the editor no later than the **15th of the month** prior to the month of publication.*

*E-mail, US mail or call either co-editor, Gary Oddi or Bill Prosser, if you have submissions or questions.*

**Address Correction Requested**