Sierra Camera Club of Sacramento, Since 1936

Eighty Years of Support for the Art and Craft of Photography



Volume 79 Number 11 * November 2016 * www.sierracameraclub.com

November Images of the Night



Nature Division "Black Bear Cub Eating Berries" by Cheryl Glackin



General Creative Division "Sutter Creek, Main Street" by Lucille vanOmmering

November Calendar

3rd	Travel Competition
	Gold Rush
8th	Print Competition



General Open Division "Early Autumn, Hope Valley" by Lucille vanOmmering

December Calendar

1st..... Program by Jan Lightfoot 13th.....Annual Pot Luck and Awards



"Young Humpback Whale Breaching" by Jan Lightfoot



"Grand Tetons, Springtime" by Robert Benson



"Mother Dipper Feeding Baby" by Truman Holtzclaw

Nature Honors October 2016



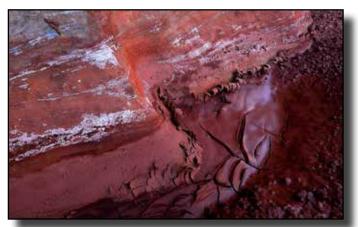
"Zion N. P. Desert Bighorn Sheep" by Gary Cawood



"Ngorongoro Zebras" by Dennis Scott



"Sandhill Crane in Flight" by Julius Kovatch



"Southwest Transitions" by Robert Valenton

Nature Scores and Honors October 2016 Mel Wright, Director Kristian Leide-Lynch, Assistant Dave Rosen, Judge



"Bufflehead Tracking Water on Takeoff" by Jan Lightfoot

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"Ngorongoro Hyenas" by Dennis Scott



"Rainbow Lorikeet" by Willis Price

Open Honors October 2016



"Uh Oh" by Gary Cawood



"Nano Volcanoes" by Don Goldman



"Glacial Lake" by Cheryl Glackin Feather Soft Tulip



"Feather Soft Tulip" by Cheryl Glackin



"White Water." by Willis Price



"Bay Bridge Reflections" by Don Goldman

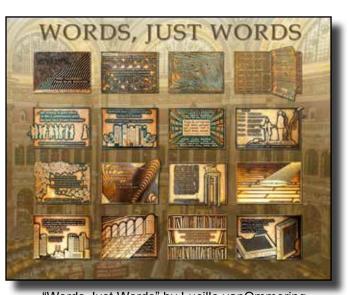
General Open Scores and Honors October 2016 Barbara Maurizi, Director * Peggy McCaleb, Assistant * James Trapp, Judge

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General Creative Scores October 2016



"Swirling Balloon" by Ed Lindquist



"Words Just Words" by Lucille vanOmmering



"Dahlia" by Jenanne Snyder



"The Face" by Jeanne Snyder



"Electric Bliss Dance" by Don Goldman





"Metropolis" by Bob Hubbell

"Sami" by Truman Holtzclaw

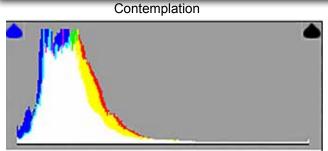
General Creative Scores and Honors October 2016

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/laurizi, Barbara /lcCaleb, Peggy /lcHaney, Mike	Blue Moon	11 Ghost Trees	10	21
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PhotoSpeak 101, Lesson 7 Dynamic Range More Photo Speak Translated by Bob and Chuck

Sprinkle your conversations with a "Dynamic Range" here and there and you really sound like a pro. But just what the heck is "dynamic range," and does it really matter?





Contemplation Histogram

First of all, dynamic range in photography is a fuzzy concept. "Dynamic range" itself, is a term usually used to refer to a range of signal strength in sound or light. In photography we're working with light, so when we say "dynamic range" we're referring to a range of luminance values. And, as photographers, we measure luminance values in EVs or Stops.

We think of photographic scenes as having a dynamic range, we think of capture devices like cameras and scanners as having a dynamic range, and we think of displays like monitors or prints as having a dynamic range.

Human eyes have an incredible dynamic range. Given time to adapt, human eyes can see at night under starlight or on ski slopes in bright sunlight, a range of about twenty stops. Their instantaneous range, though, is somewhat less, maybe about ten stops. But we can do a little better than that. As we scan a scene from shadow to highlight, our irises open and close, allowing us to see texture or even detail in the darkest and brightest parts of the scene, possibly fifteen stops.

We've said in previous articles that cameras simply do not see the way human eyes see, and dynamic range is another way in which that is true.

Both color- and black-and-white-negative films have a dynamic range of about twelve stops. Color slide film has a dynamic range of about six stops. Chemically processed print paper has a range of ten stops. The latest, high-end digital cameras can capture about fifteen stops of dynamic range.

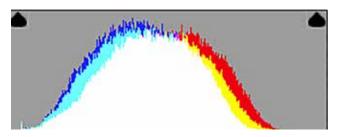
In the days of film and chemical darkrooms, dynamic range was controlled by using the "Zone System." Zone System photographers used spot meters to read the various brightness values of a scene and their exposures were based on the difference between the darkest and brightest areas in which detail was to be preserved. The film was then "exposed for the shadows" and "developed for the highlights."

Darkroom prints were made by selectively increasing or decreasing exposure of various parts of the image, a process called "dodging and burning."

Digital photographers have it a lot easier. Their cameras have great dynamic range allowing almost complete control over tonal values during exposure and in post processing where "dodging" and "burning" is accomplished by "tome mapping." The only limitation is in usable dynamic range because, with long exposures, high ISOs, or post-processing deep shadows, noise levels can become unacceptable.



Abandoned Homestead



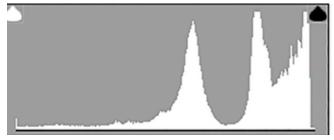
Abandoned Homestead Histogram

You might think that you can extend the dynamic range of a camera by bracketing exposures and merging the bracketed images using one of the HDR programs, but it's not necessarily true. Since bracketed exposures are taken with the same aperture, very dark tones in the scene will require a long exposure or a high ISO, either of which can result in noise.

But there's good news. It looks like the noise problem is becoming history with newer cameras claiming greater usable dynamic range and "ISO Invariance."



Anguish



Anguish Histogram

But we're going to say once again that a camera is just a tool. It's the photographer who decides which tonal values go where. Only the photographer can decide where to use contrast to add impact, drama, or emphasis. Only the photographer can place tones to support his story.

Placing tones to support the story is demonstrated in the accompanying examples which illustrate effective use of very different approaches to tone mapping. One image uses mostly dark tones, one uses mostly middle tones, and one uses mostly light tones. Histograms are included to illustrate this very different distribution of tonal values among the images.

To make the best use of your camera's dynamic range, here's what we suggest.

- 1. Expose carefully to avoid blown out highlights or blocked up shadows.
- 2. Capture RAW image files and post process them non-destructively.
- 3. Follow a disciplined workflow that preserves the RAW capture data. Start with non-destructive adjustments in ACR or Lightroom. Then proceed on to Photoshop using layers for clean up and tonal adjustment.
- 4. Save as a PSD master file with all layers. From this master file, make prints or derivative JPEGs for web sharing..

We are great believers in saving RAW image files because post-processing software keeps improving and we keep getting more experienced, so there'll come a time when we'll want to start all over again with some of our favorite images.



Thank you to Barbara Maurizi for organizing and running the Fall Sale. Participants included Truman Holtzclaw, Jeri Murphy and Gay Kent. (Photo by Truman)

Recent Activities



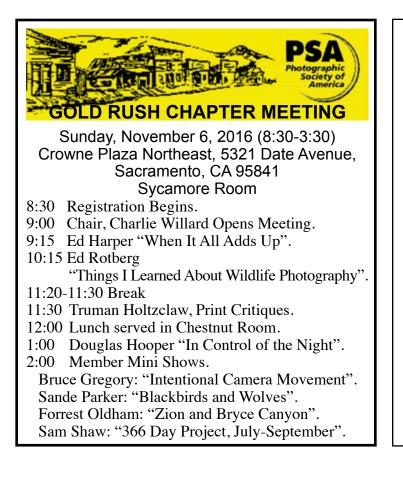
Sierra Camera Club Sponsored the "North American International Exhibition". It took 2 days to judge the five sections of images totaling 2000. The accepted and winning images will be shown at the frist meeting in January. Thank you to the teriffic and hard working committee: Jan, Cheryl, Kristian, Jeanne, Susan and me (Gay).



Several SCC members had a fun day at the zoo with Mike's. Camera. Upcoming classes and workshops are on their web site. Mike's provides printed copies of the Gammagram. Pick one up at the next meeting.

Mike's Camera.com

Photo Activities Around Town



Loaves and Fishes

On Friday November 11th, Loaves & Fishes will be honoring veterans at the Memorial Wall in Friendship Park (North C Street). Sierra Camera Club has been asked to photograph the event and provide candid photos of the veterans. They are launching a new blog site, *Norh C Street Stories*, a space where stories and experiences about L&F can be told.

The Vetran's Day event is an opportuity to capture the images of the homeless veterans who have served out country.

Theo Goodwin organized a similar event last summer. This time Gale Filter is organizing.

Contact Gale if you would like to partipate.

Silent Auction Fundraiser

Collectors Edition 2016 Sat. Nov. 5th, 6 p.m. to 9 p.m.

Live music, appetizers, desserts, libation-and of course an amazing collection of photographic art--all to support Viewpoint.

Party and Silent Auction with Drawing!

Tickets now available--buy early and receive a discount.

This year's Silent Auction will feature a selection of prints from Viewpoint's personal collection as well as donations by some of the countries most noted photographers.

The Exhibit of Auction prints will be on display through November 5, 2016, at the Viewpoint Gallery.

Gallery Hours: Tuesday - Saturday, 12 noon to 5 p.m. 2015 J. Street, Suite 101, Sacramento, CA 95811 Phone: 916-441-2341



Admission Tickets:

\$25 per person in advance or \$30 at the door. Includes live music, appetizers, desserts and libation. Purchase tickets on line at **viewpointgallery.org**

Drawing tickets:

Purchase 5 for \$20 or 1 for \$5

(Drawing tickets will also be available at the event.)

- * Carvalho Family Winery Tour for 12 at the Old Sugar Mill
- * Private Chef's Dinner for 6 in your home
- * 6 days and 5 nights at an intimate cottage in Baja Mexico

And more!

Sierra Camera Club 2017 Annual Membership & Newsletter

Sierra Camera Club of Sacramento, Inc. is an incorporated, nonprofit club whose members join together to promote all aspects of photography. Members participate in club competitions, workshops, field trips, and other activities designed to further expertise in, and appreciation of photography. Anyone interested can join using the form below. This form can be mailed or brought to a club meeting.

Membership dues are due January 1. Any member whose dues are not paid by January 1st, may not be included in the club directory, and will not continue to be eligible for competition. New members may join at any time and will be eligible to enter all competitions, but they may be unable to enter enough to be eligible for the annual overall competition.



www.sierracameraclub.com

Members agree to abide by the club constitution, by-laws, rand competition guidelines.

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	Subscription Type Annual Dues
Please make check to: Sierra Camera Club	Single Membership \$45
Mail to:	Family Membership \$70
Susan Hall 7912 Katella Way Citrus Heights, CA	Juniors (Under 18) \$10
95621	FT Students (under 22) \$20
	Gammagram Only * \$15
Name(s) (print)	
Street Address	CityZip
Phone(s) ()	()
E-mail(s)	
Web Site	
Flickr or Other	
Birthday Month and Day	