

May
2015

The BELLOWS

Spring birds provide weekend entertainment for a large group of EPSers

Great EPS Summer Lake Field Trip

The weather forecast was not encouraging, yet at the end of the three hour trip things looked much better and after another few hours it was down right beautiful for the next two days.

It didn't take folks long to hit the eight mile refuge loop and quickly see that focusing targets were plentiful and diverse.

These pictures prove the old cliché



Photo - Judy Elder

The location

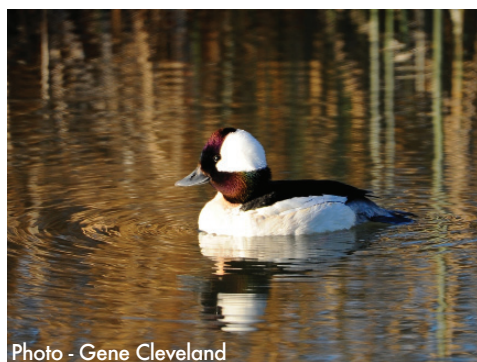


Photo - Gene Cleveland

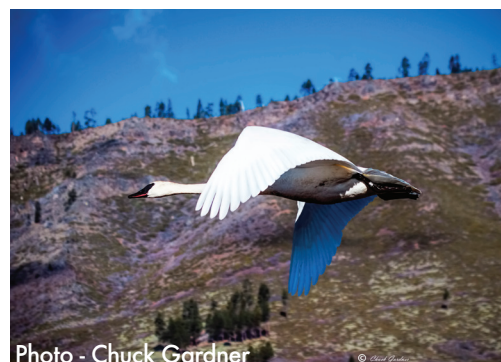


Photo - Chuck Gardner

The inhabitants



Photo - Suzan Harper

The happy shooters

saying, "A good time was had by all."

MORE PHOTOS ON NEXT PAGE.

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Summer Lake Photos continued



Photo - Sue Mehrwein

The landscape



Photo - Jo Elderidge

The rules

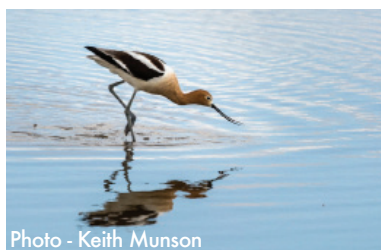


Photo - Keith Munson

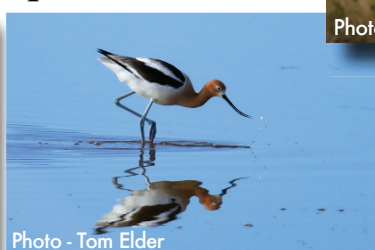


Photo - Tom Elder

(Different day, time, shooter, **Twins** bird & location, same pose.)

More inhabitants



Photo - Bruce Bittle



Photo - Jann Gail

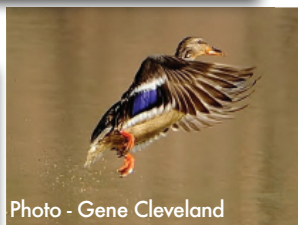


Photo - Gene Cleveland

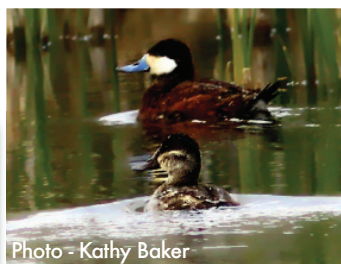


Photo - Kathy Baker

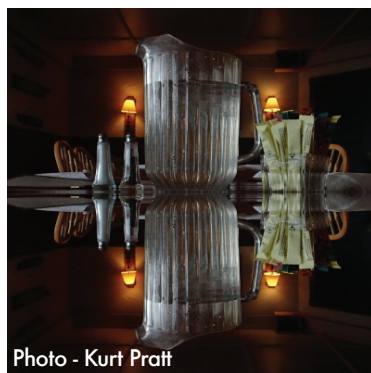


Photo - Kurt Pratt

Indoor ambience



Photo - Linda Devenow



Photo - Mary Harrsch

Outdoor ambience

FIELD TRIP POSSIBILITIES

MAY

Mt. Hood Pear Festival (ON)
Finley Wildlife Refuge *(DT)
Ridgefield WR, WA (DT)
Klamath Wildlife Refuge (ON)
Schriner Iris Gardens (DT)
East WA Palouse Area (ON)

JUNE

Columbia Gorge (DT)
Guided Valley Tour (DT)
U of O Walk Around (L)
Woodburn Drags 27th - 28th (DT)

JULY

Civil War Reenactment, 4th (DT)
Fireworks, 4th (DT)
Shaniko (DT)

AUGUST

Covered Bridges (L)
Madras Air Show, 28-29 (ON)
Downtown Walk Around (L)

SEPTEMBER

Elkton (DT)
Clear Lake (ON)

OCTOBER

4Cs Conv., 9-10 Walla Walla (ON)
Black Butte Aspens (DT)

NOVEMBER

Oakland Cemetery (DT)
Century Farm Seed Mill (DT)

DECEMBER

ShoreAcres (ON)
Lighthouses (DT)

JANUARY

Coast Aquarium (DT)
Newport Waterfront (DT)
Antique Machine Shop (L)

FEBRUARY

Asian Festival (L)
Carousel Museum (DT)
Brooks Truck Museum (DT)

LET US KNOW

If you have an idea or know of a good location for a field trip, tell **Kathy Baker**

* L = Local •DT = Day Trip •ON = Overnight



McNally Makes Models & Crew Of EPSers



The EPSers who traveled to Portland for Joe McNally's lighting workshop on Monday the 27th found that sitting near the front has some advantages.

Walt Biddle and **Bob Petit** found themselves being used as models while **Bob Roelke** was put to work being a flash holder helper for the lighting master McNally.

Several EPSers mentioned the

tough crit session with audience submitted images for McNally to judge. His "no-mister-nice-guy" approach as if he were a magazine editor looking

at the results of a photographer's assignment.

McNally - "You had three hours with Shaquille O'Neal (big time NBA basketball star) and this is all you brought back?! What were you thinking?!!"

Being humiliated by a withering McNally critique is a learning experience? You bet it is!

Bruce Bittle



Baker Wins Award of Merit from 4Cs Judging

Kathy Baker won an Award of Merit from the monthly judging for the 4Cs digital competition with other photo clubs in Oregon, Washington and Idaho.

EPS enters this competition with twenty-five other clubs each month at the direction of and coordination by **Walt Biddle**. A separate judging is held outside of EPS regular meetings and gives all members a very good opportunity to learn more about judging at a higher level of competition.

Congratulations Kathy!





Pixel Powered Video Camera Could Run Forever

A research team at Columbia has invented a prototype video camera that is the first to be fully self-powered -- it can produce an image each second, indefinitely, of a well-lit indoor scene. They designed a very simple pixel that can not only measure incident light but also convert the incident light into electric power.

"We are in the middle of a digital imaging revolution," says Shree K. Nayar, T.C. Chang Professor of Computer Science at Columbia Engineering, who directs the Computer Vision Laboratory at Columbia Engineering. He notes that,

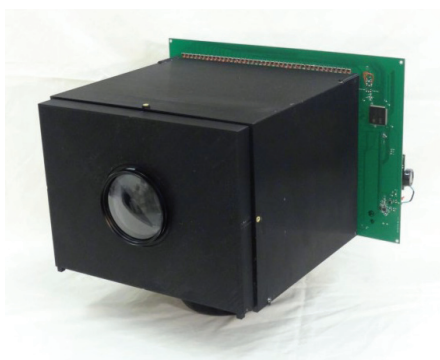


Photo: Computer Vision Lab, Columbia Engineering

"I think we have just seen the tip of the iceberg. Digital imaging is expected to enable many emerging fields including wearable devices, sensor networks, smart environ-

ments, personalized medicine, and the Internet of Things. A camera that can function as an untethered device forever -- without any external power supply -- would be incredibly useful."

When the camera is not used to capture images, it can be used to generate power for other devices, such as a phone or a watch.

Nayar notes that, "We took an extreme approach to demonstrate that the sensor is indeed truly self-powered and used just a capacitor to store the harvested energy."

The research was funded by the Office of Naval Research.

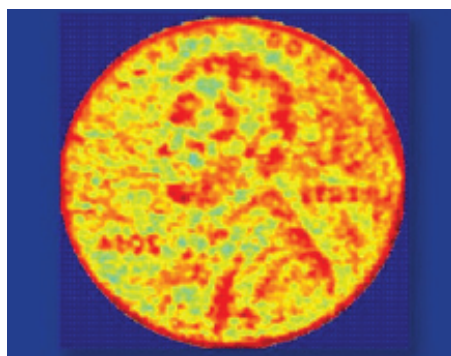


Micron Level Precision 3-D Scan From Cell Phone

Pull out your smartphone, take a snapshot with integrated 3-D imager, send to a 3-D printer and within minutes you have a replica accurate to within microns of the original object. This could soon be possible with a tiny high-resolution 3-D imager developed at Caltech.

A cheap, highly accurate new device known as a nanophotonic coherent imager (NCI) using an inexpensive silicon chip less than a millimeter square provides the highest depth-measurement accuracy of any 3-D imaging device. This work was done in the laboratory of Ali Hajimiri, Professor of Electrical Engineering.

The new chip utilizes an estab-



A 3-D image of the "hills and valleys" on a U.S. penny -- with micron-level resolution -- taken from half a meter away.

lished detection and ranging (measuring) technology called LIDAR. "By having an array of tiny LIDARs on our coherent imager, we can simultaneously image different parts of an object without the need for any mechanical movements within the imager," Hajimiri says.

The incorporation of coherent light allows 3-D imaging with the highest level of depth-measurement accuracy ever achieved. "The small size and high quality of this chip-based imager could be incorporated into smartphones," he says.

The imager could be applied to a broad range of applications from very precise 3-D scanning and printing -- helping driverless cars avoid collisions -- improving motion sensitivity in superfine human machine interfaces, where the slightest movements of a patient's eyes and the most minute changes in a patient's heartbeat can be detected on the fly.

Described in the February 2015 issue of Optics Express, and reported in Science Daily, May 2.



The BEST April Fools Spoof You Probably Missed

Nikon Unveils the P ∞ with a 1458x Zoom Lens

Nikon has unveiled the new Coolpix P ∞ (P-Infinity) superzoom, the world's first compact camera with a 1458x zoom lens. While most of the specs are identical to the Coolpix P900, except the P ∞ has a new 24-34992mm (35mm equiv.) lens that opens up new photo possibilities.

"This camera is designed for serious astrophotographers, soccer moms on business trips, nose photographers, and NASA," says Katoshi Yamamoto, Nikon's chief designer.

The camera's dimension ranges from 5.4 inches in depth when shooting wide angle to 18.7 inches when zoomed all the way out to the extent of its telephoto range.

"If telescopes can see it, the P ∞ can shoot it."



The Nikon Coolpix P ∞ will be available with a price tag of \$3,115. Preorders can be placed on the Nikon website.

Published on April 1, 2015 by Michael Zhang

Image captured at the wide end of the zoom range.



Same image captured when zoomed all the way.





Q&A With Tim Grey

ASK?
tim
grey

Q: *I cannot capture the deep orange/red color of the moonrise (or similar sunset color) in my photos. Is there a trick to capturing these vivid colors?*

A: There are two “tricks” to getting great color in the sun or moon. First, a custom white balance setting can be very helpful. Second, keeping the exposure slightly dark can help preserve and accentuate the color.

In my experience, exposure is the key problem, specifically a tendency to overexpose the image.

Including the sun or moon in the frame can be a challenge, because both are very bright. You may need to compromise on the exposure or use high dynamic range techniques to overcome this issue.

By keeping the exposure a little dark, both preserves detail in the bright areas of the photo and helps preserve color creating greater perceived saturation.

Your camera always attempts to neutralize the color of light illuminating a scene. Images with vivid colors will appear muted because they have been shifted toward a neutral value.

I prefer to establish a specific Kelvin setting on the camera, using the Live View display to preview the color and adjusting the setting to one that produces the most ac-

curate color for the scene.

Color temperature can always be easily [tweaked] when processing original RAW captures.

Q: *I'm using an iMac with Time Machine and a backup hard drive. The utility [that came with the HD] is erratic and I don't trust it. If using a PC I would simply use SyncToy. Can you recommend a utility [for the Mac]?*

A: I recommend GoodSync as a great solution that is available for both Windows and Macintosh.

I prefer a “full” backup [an exact copy] rather than an “incremental” backup. If a hard drive fails I want to be able to connect a backup storage device and continue working uninterrupted, [without going] through an extended restore process.

There are a variety of solutions available, but the best I've found is GoodSync (<http://www.goodsync.com/>). I use it to create an exact copy of my photos, my data storage drive, my video production drive, and all of the other (many!) drives I use. I [have] a hard drive failure about once every two years, so to me this is an important consideration.

By using GoodSync I have a

full copy of [all of] my original data that can be used quickly and seamlessly when I experience a failure.

Q: *With Adobe not updating older versions of Camera Raw, how bad an idea would it be to shoot in JPEG to eliminate concerns about software updates?*

A: A JPEG capture will always be an 8-bit image, whereas RAW captures can be 16-bit. This translates into JPEG gradations of tone and color that may not be as smooth if you need to apply [radical corrections].

The compression artifacts may be very difficult to see, but frankly the “insurance” provided by RAW captures [needing radical] adjustments to tone and color is the real reason I avoid JPEG captures.

If your [Large/Fine] JPEG captures look close to perfect right out of the camera, just watch for artifacts caused by JPEG compression [especially if you are printing images larger than 16”x20”].



Tim has a dozen books, published hundreds of magazine articles and is a member of the Photoshop World Dream Team.

[Ed Note: Articles are reprinted with permission & shortened to fit space.]



4Cs Convention, Walla Walla, October 9-11

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COLUMBIA COUNCIL OF CAMERA CLUBS 4CS

2015 Photography Conference
(The Event No One Will Want to Miss)
October 9-11

Walla Walla Community College
500 Tausick Way Walla Walla, WA

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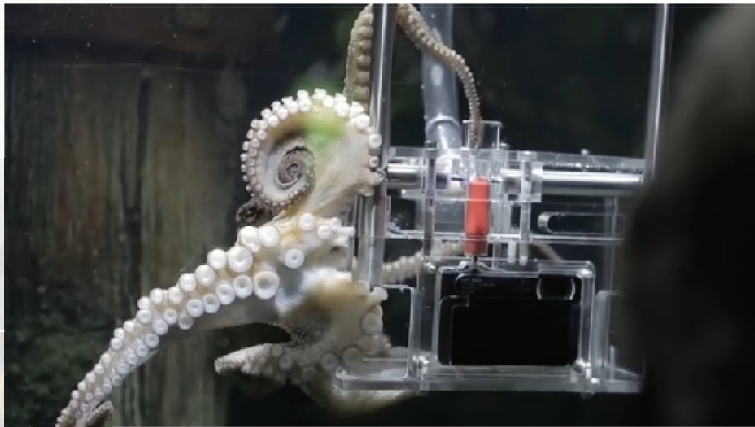
Vistra Gallery

160 East Broadway, Eugene
20% discount on all printing, matting & framing
Up to 30% discount on all orders over \$500

Stolen From The Internet

Sea Life Aquarium, Auckland, NZ

“Rocky” the octopus knows a good gig when he sees it!



An octopus named Rocky, in the Auckland, (NZ) Sea Life Aquarium, needed only three lessons to learn how to take pictures with his GoPro camera inside an underwater housing with a bright red shutter release

Next step should be to buy him an underwater iPad Mini with a copy of Photoshop so he can do some creative post processing.

“Click”



Octophoto - Rocky

“Yea Rocky!”





What To Know

May 2015

- 5 Challenge Night - Theme, *"Broken"*
- 12 Ed. Night, **TBA**
- 19 Print & Digital Competition night
- 26 Beginners Q & A – Demo night

June 2015

- 2 Challenge Night - Theme TBA May 5
- 9 Ed. Night, **TBA**
- 16 Print & Digital Competition night
- 23 Beginners Q & A – Demo night

**No Meetings
July & August**

September 2015

- 1 Challenge Night - Theme TBA June 2
- 8 Ed. Night, **TBA**
- 15 Print & Digital Competition night
- 22 Beginners Q & A – Demo night

October 2015

- 6 Challenge Night - Theme TBA Sept. 1
- 13 Ed. Night, **TBA**
- 20 Print & Digital Competition night
- 27 Beginners Q & A – Demo night

November 2015

- 3 Challenge Night - Theme TBA Oct. 6
- 10 Ed. Night, **TBA**
- 17 Print & Digital Competition night
- 24 Beginners Q & A – Demo night

December 2015

- 1 Challenge Night - Theme TBA Nov. 3
- 8 Print & Digital Competition night

**Only Two Meetings
this month**

Where To Go

• Donna Kaehn & David Becker

Will have a two-person show, *"Old Boats: High & Dry,"* in the Harris Hall lobby at the Lane County Courthouse 125 East 8th Ave. Their show can be seen through the month of May between the hours of 8-5 weekdays.

• Mary Harrsch

I had an image selected to accompany a sonnet in the Ekphrasis issue of the Academy of American Poets and sold one image of Near Eastern art to an academic publisher for a book cover.

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Space
Available**

**Got a show?
We want to know!**

Have a show going up?

*Send complete details
(location, time, theme, etc.)*

**Have your photos
been published?**

*Send complete details
(Publication, date, etc.)*

**Send before the last
week of the month to:
<bittled70@gmail.com>**

EPS WHOLESALE print show supplies

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Double whites, acid-free
surfaces with stiff backers.
*Center-cut with 10"x 15"
or 12"x 16" openings.*

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with hardware & glass.

\$5 TRANSPORT BOXES
for framed images.
(some assembly req.)

**\$2 from each mat, frame
or box purchase
goes to EPS.**

**Contact:
Bruce Bittle 541.343.2386**

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