

May
2016

The BELLOWS

From now on EPS will be calling and making all the shots

Calendar Project Is Back & All Ours

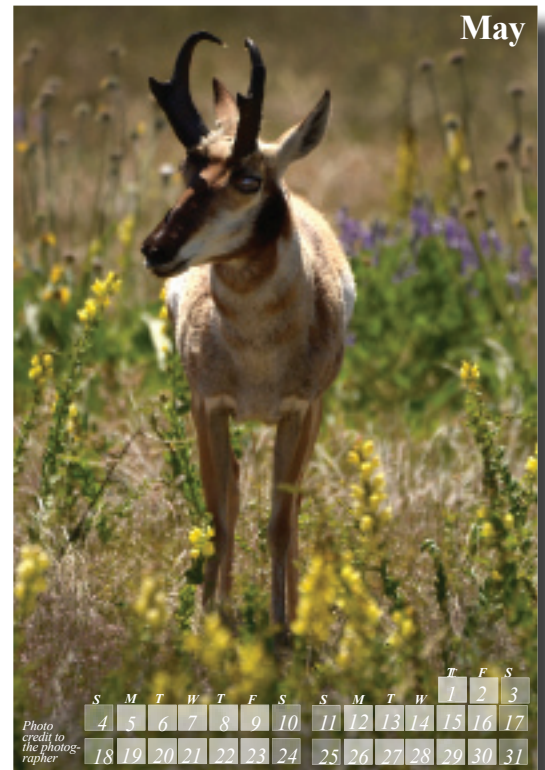
The Annual EPS Calendar project was a joint production with a local print shop for 12 consecutive years that ended in 2013. It was a sweetheart deal because it didn't cost our club a cent – the maker of each winning photo got 15 copies at no charge – and the club received 100 copies for fund raising. The print shop could justify this by using them for their only form of advertising for their clients by printing them at the highest quality of their printing capability.

The agreement was that our club had to accommodate a theme chosen each year by the print shop and deadlines were a little awkward for our shooting year. It was also disconcerting to many members to see half of each nice photo completely obscured by the calendar blocks each month. However the end of this cooperative project came when EPS failed to submit enough new images to satisfy the needs for the print shop. It didn't help that the night EPS had to choose the images for that last calendar was the first night after a quick, confusing, forced move to a new meeting location.

Technology to the rescue

About this time last year the print shop acquired a new piece of equipment that made calendars far less

continues on next page



In the new EPS calendars, photos will dominate!

EPS Well Represented At The Spring NPPNW

Over thirty EPSers along with photographers from the Northwest area filled a 500 seat auditorium last month at OSU in Corvallis for a one day Nature Photographers photo event.

George Lepp did his usual outstanding shows as the featured presenter and as usual a print and digital image competition were side attractions. The digital judging left much to be desired, but for \$15 per person it was a day well spent. The fall NPPNW event will be held in the Portland area on Nov. 5. Location TBA.

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EPS Calendar continued

expensive to produce in quantity. Previously printing a top quality calendar was several thousands of dollars for a minimum order of 500 finished copies that averaged \$10-\$12 each even if printed in China.

The new technology that changes things is brought to us by our good friends at Canon. They have produced a lazer/digital printer that produces a 19x13 high resolution color print every 2 seconds! The best part is that it makes color printing far, far less expensive.

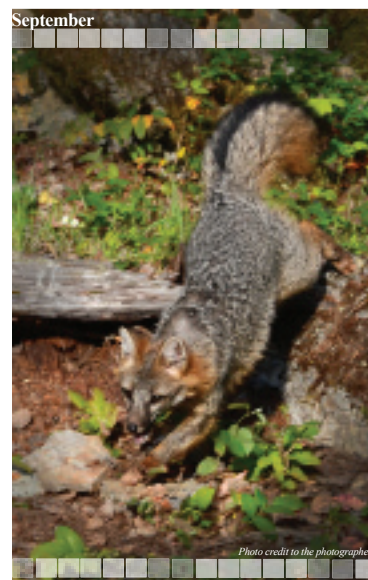
Today a minimum order is 100 copies at \$5.50 each – 200 copies for \$4.50 each – or 300 copies \$3.75 each. These prices put our club back in the calendar business and the Board has approved moving forward on this project to produce a 2017 calendar.

New EPS calendar plan

From now on this will be an all EPS project. We pick the annual theme, the club will pick the final images each year, we will do the design sequence and layout and we will order only what we know we can sell. Re-orders of 100 copies can be made anytime and will be delivered in less than a week.

The calendar committee has picked the 2017 theme of “Wildlife” specifically North American mammals. (Other themes for future years – N. Am. birds – OR landscapes – OR waterfalls – OR coast – Unique OR places – and anything else of interest).

Judging for the 2017 calendar will take place at the final EPS meeting in June, on the 28th. All EPSers at that meeting can be judges if they so choose.



Two examples: Making photos dominate the calendar by minimizing the boxes.

This has worked well in the past, but this will be the first time we have picked the final images. Images submitted for judging do have to be large 12”x16” prints so decisions concerning quality can be seen by all judges.

The calendar committee is determined to make the photo dominant on each page by minimizing the calendar boxes. This is, after all, a photo club project and should be expected. This may mean writing small if you still make notes on your wall calendar. Many folks these days just make an “X” to remind them to check their smart phone for details.

Photo submissions do not have to be taken this year, so mine your portfolio

and pick your best wildlife shots. With several members making recent trips to Alaska and a certain game farm in MT, we should have no trouble finding stunning images.

Final image details

The format for 2017 will be vertical, but may not have to be in the future. Makers of the winning images must have them in TIFF or RAW format at 300-400 dpi with sRGB color space. Final winning images must be sized to 17.5”x 12.5” to allow 1/4” trim on all sides so the photos “bleed to the edges” which is print shop jargon for the image examples shown here.

Bruce Bittle
Calendar project coordinator



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Fine Finley Field Trip Facilitates Photo Fun

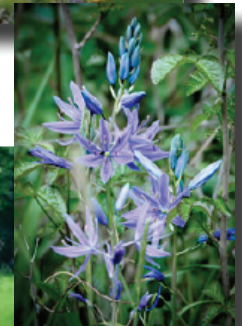
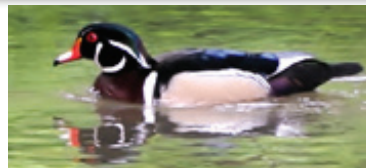
Over fifteen EPSers were on the road to Finley Wildlife Refuge last week with many visiting the area for the first time. All enjoyed learning how close to home it is and how rich the location will be for photo opportunities in the next few weeks of spring.

Lots of birds are pairing up getting ready to raise another bunch of kids for photographers at all levels of experience to anticipate many days of photo fun in the near future.

See you all there.



Photos by
Gene
Cleveland



Imagery An Effective Way To Enhance Memory

Using imagery is an effective way to improve memory according to researchers at the College of Education at Georgia State University.

Their study examined how creating images affected the ability to accurately recall conceptually related word lists as well as rhyming word lists. People who were instructed to create images of the list words in their head were able to recall more words than people who didn't create images.

"Creating images improved participants' memories and helped them commit fewer errors, regardless of what kind of list we gave them," said Merrin Oliver, lead author.

Undergraduates were shown 10 word lists, one at a time, then asked

to recall the words. Half the lists were related by meaning and half by sound. Participants were divided into two groups, with one group receiving instructions to imagine each word visually and the control groups were told to [just] remember the words.

Then they completed a recognition test, where they saw some of the words from the lists as well as some previously unseen words, and had to indicate which words they studied.

"Our [findings] suggest detailed imagery instructions are necessary to help filter out false memories" Oliver said. "People should create detailed images with unique characteristics to help memories on recognition tests."

*Science Daily-April 11, 2016
Georgia State University*

Ed Note: This is an old, old memory trick that has been . . . um, "discovered" by this group. Mr Oliver and his gang would have done well to interview some magicians and other professional memory performers to learn the ancient history of this technique.

The early Greek Philosophers and Poets are given credit for learning how to use visual imagery to memorize long detailed poems. They simply related each line, or stanza, to a familiar item in their house as they mentally visualized walking from room to room through their home. One can assume the control groups back then were everyone else who hadn't learned this.

I've used a simple memorized visual crutch since high school to remember up to a dozen random unrelated items when the average per person is about three. A book by the late magician, Edgar Polgar, was my source.





Walker & VanDeWalker Win 4Cs Highest Digital Awards of Merit



"Spherical Glow" by **Mike VanDeWalker**



"Escalator Man" by **Bill Walker**

Congratulations to **Bill Walker** and **Mike Van De Walker** for giving EPS a big boost in the standings for our monthly Columbia Council of Camera Clubs regional digital competition.


Only two months remain for this year's contest (Oct. thru June) and the totals in the box at the right are confusing because make-ups from two judging clubs have yet to be posted.

This means if the competition chair chooses to withhold the final month scores, we may not know until Convention time in Oct. whether we beat Forest Grove or Film Pack. This is important because FG has not been beaten for over 15 years and the club has only 23 members.

Club Standings

Place	Club	Mar	total
1 st	Forest Grove C C	Judges	653
Judges	Film Pack C C make-up	193	731
2 nd	Emerald P S (Apr and May)	184	813
3 rd	Yaquina Arts A P	103	724
4 th	Portland P S	94	722
5 th	Boise C C	100	712
6 th	Blue Mountain C C	103	711
7 th	Southern Oregon P S	97	710
8 th	Caveman C C	94	704
8 th	King City C C	104	704

The Film Pack club, also high in the standings, is located in Portland and has been nipping at the shooting fingers of FG for years, but yet to date has never bettered them.

Let the record show that EPS has been competing for only 4 years. Stand by - cross fingers - enter good stuff! 

Be Ready For A Baby Alert At Finley, Maybe Next Week

Next week may be prime baby coot time at the Mitigation Pond on Bruce Rd. at Finley WR. Last year's records show shots were recorded during the first week in May for about 2 weeks.

If you've never seen these little twerps, they look like the parents bought

them at the Dollar store. Some think ugly, others think cute. So, for about ten days they have bright yellow pin feathers with orange bills looking nothing like Mom or Dad. An email will be posted just as soon as they appear.

Bruce Bittle



Field Trips

Official Trips in Red

Other possibilities are in black
(Always check EPS web site for trip updates & far more complete list)

MAY

Painted Hills, Sat. 7 & Sun. 8

Schreiner Iris Gardens (I-5 exit 162)

Summer Lake, Sat. 21 & Sun. 22

(Full moon 21st)

JUNE

Fort Rock, Fri. 3 & Sat. 4

JULY

Civil War Reenactment
Willamette Mission State Park
Fri. 1st - Mon. 4th (I-5 exit 162)

AUGUST

Madras Air Show 26 - 27

Oregon's Balanced Rocks

SEPTEMBER

TBA

ANYTIME LIST

Willamalane Parks Activities (L)

Downtown walk-around (L)

Springfield Alleys (L)

(Daytime only with partners)

Riverside Bike Paths (L)

Carousel Museum (DT)

(New temp. location 2 blks north
of former site)

Brooks Truck Museum (DT)

(Also, Cars, Streetcars, Steam tractors, Drag
strip, close by, I-5 exit 162)

Coast Aquarium (DT)

Newport Waterfront (DT)

Coast Lighthouses (DT)

Construction Equipment (L)

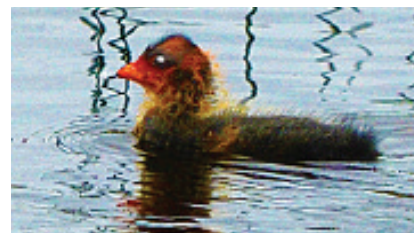
Car/Boat/Antique Shows (L)

Fern Ridge Activities (L)

LET US KNOW

If you have an idea or know of
a good location for a field trip.

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





Lab Makes Radical New Flexible Sheet Camera

A team led by Shree K. Nayar, Professor of Computer Science at Columbia Engineering, has developed a novel deformable lens array camera that can be wrapped around everyday objects that sets the stage for thin flexible sheet cameras.

The Columbia team designed and fabricated a flexible lens array that adapts its optical properties when the sheet camera is bent. This optical adaptation enables the sheet camera to produce high quality images over a wide range of sheet deformations.

The new “flex-cam” requires two technologies--a flexible detector array and a thin optical system that can project a high quality image on the array. A rigid lens with fixed focal length array, when bent, would result in “gaps” between fields of adjacent lenses. This would cause the captured image to have missing information, or appear “aliased.”

To solve this problem, the Columbia Engineering team developed an adaptive array made of elastic material that enables the focal length of each lens in the sheet camera to vary

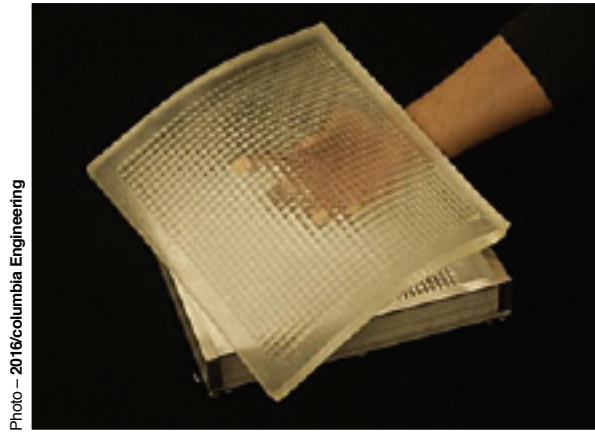


Photo - 2016/Columbia Engineering

A novel sheet camera can be wrapped around everyday objects to produce high quality images over a wide range of sheet deformations.

with the local curvature of the sheet in a way that mitigates aliasing in the captured images. This inherent optical adaptation of the lens is passive, avoiding the use of complex mechanical or electrical mechanisms to independently control each lens.

The researchers built their prototype using silicone demonstrating its ability to produce high image quality with a wide range of deformations.

“The adaptive array is an im-

portant step towards making the concept of flexible sheet cameras viable,” Nayar says. “The next step will be to develop large-format detectors to go with the deformable lens. The amalgamation of the two technologies will lay the foundation for a new class of cameras that expand the range of applications.

If the imaging system can be manufactured cheaply, like

a roll of plastic, it could be wrapped around all kinds of things, from street poles to furniture, cars, and even people’s clothing, to capture wide, seamless images with unusual fields of view. This design could also lead to cameras the size of a credit card that a photographer could simply flex to control its field of view.

*Science Daily-April 12, 2016
Columbia University School of Engineering and Applied Science*



Clothing To Receive & Transmit Digital Information

Researchers developing wearable electronics have reached a milestone. Now embroidered circuits into fabric with 0.1 mm precision are possible – the perfect size to integrate computer electronics into clothing.

The technology could lead to shirts that act as antennas for your smart phone, workout clothes that monitor your fitness level, sports equipment that monitors perfor-



Photo - Jo McNulty, OSU

Digital embroidery

mance, a bandage that tells doctors how well an injury is healing – or even a cap that senses activity in the brain.

*Science Daily, April 13, 2016
Ohio State University*

ED note: Only your friends will be annoyed by the ads – If that cap shows no brain activity, it will put up any logo you want – Show your piano playing cat on the back of your shirt – Fitness chart over your heart will show what a lazy bum you are – Easy to look intelligent by not wearing this stuff except at Halloween– Guys will still put pants on one leg at a time.





Tim Grey Pixology Reprint

Process iPhone Photos As Normal Workflow

I recommend treating your iPhone as “just another camera”. In other words, I download photos from my iPhone, bring those photos into my existing workflow, and remove the photos from my iPhone just as I would otherwise with a media card from my digital SLR.

However, the iPhone presents some unique challenges. To begin with, many software tools— including Adobe Lightroom—do not allow you to delete the photos from an iPhone after you have copied them to your hard drive. This isn’t a surprise, since these software tools also don’t allow you to format the media cards used in other cameras.

Add to this challenge the fact that the iPhone Photos app doesn’t provide an easy way to delete [multiple] photos, and you need to select the photos individually to delete them all.

I prefer to use software that allows me to download the photos from my iPhone and create an additional backup copy during the process.

For Windows users I recommend Adobe Bridge for this purpose. You simply use the Photo Downloader feature. Choose “Get Photos from Camera” from the File menu then specify where you want the photos copied to

— whether you want to rename those images – or create a second backup copy – then if you want to delete the images from your iPhone when the download is complete.

For Macintosh users the Photo Downloader feature of Adobe Bridge on the Macintosh is no longer able to [do this job]. Fortunately, there are other solutions available.

Using Image Capture included with the Macintosh operating system I recommend a three-step process for downloading.

First download the photos to your computer. Then copy the folder containing those photos to a second storage location for a backup of the photos. Once photos have been successfully downloaded from your iPhone and backed up to another storage location, you can delete all of the images from the iPhone.

[However], in Image Capture, deleting photos from the iPhone isn’t

obvious. So, after download and back up, choose Edit > Select All from the menu, (Com.+A). With all images selected, Click “Delete Photos” button, (icon of circle with a slash toward the bottom-left where photos are displayed).

Once you have deleted the source images from the iPhone, you can continue with your normal workflow. In Lightroom import the photos into the catalog. Using Adobe Bridge, browse the folder containing the downloaded images and continue with normal workflow.

When using an iPhone there are still options available for a workflow that makes sense based on your specific needs as a photographer. The key is to find a solution that works well for you and follow that workflow consistently.

*Tim Grey, Jan. 2016 PIXOLOGY
Reprinted with permission*



Tim Grey currently publishes the monthly on-line magazine PIXOLOGY. He is a top educator in digital photography imaging, offering clear guidance on complex photo subjects. Tim has written many books, hundreds of magazine articles and is a member of the Photoshop World Dream Team.

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



EPS All-Members Courthouse Print Show
Wednesday, June 1st thru Thursday, June 30th - 125 E. 8th Ave.
 Club Standard mats & frames – Any subject – Your most stunning images
 Two images per person – Three if this is your first time at this location



Research Cracks Secret Of Monarch Migration

A research team believes they have cracked the secret of the internal, genetically encoded compass that monarch butterflies use to determine directions and remember two very long migrations routes.

Each spring monarchs head north then east from central Mexico taking 2 or 3 generations over 2,000 miles to reach eastern United States and Canada. Then each fall, monarchs fly over the same 2,000 miles, taking another 2 to 3 generations, to reach the relative warmth back in central Mexico.

The time of day and the sun's location in the sky were determined from previous research, but never how the monarch's brain receives this information.

"We wanted to understand how the monarch processes information to yield this constant behavior each migration," said Shlizerman, a University of Washington assistant professor the lead author on a paper in the journal Cell Reports.



Photo - Monarch Watch

Monarch butterfly.

The researchers found that monarchs use their large, complex eyes to monitor the sun's position in the sky. But [that alone is] not sufficient to determine direction. Each butterfly must also [use] the time of day to know where to go. Fortunately [we now

know they] have an internal genetic clock in their antennae.

This genetic clock signal coupled with sunlight information from the eyes guarantees sustained navigational direction.

"This simple, robust system explains how these butterflies – generation after generation – make this remarkable [continuous] migration," said Shlizerman.

Science Daily-April 14, 2016

Univ. of Washington with the Univ. of Michigan & the Univ. of Massachusetts

Ed Note – Sorry folks, this article isn't directly related to photography, but this migration is one of the most remarkable in all of evolution. The next time you see a Monarch in your back yard, think of this tiny creature this way; Your grandfather starts an 8 month trip and died along the way, then your father continued the trip and also dies when you take over to finally reach the destination. Starting back on this round trip, only your great, great grandson will reach the starting point.

How did this multi-generational migration ever evolve naturally? And why? More to the point, should we consider those who fly to Oregon as having GPS gene failures? Or smarter?



Computer Identifies People With 100% Accuracy

A computer records brain activity of people looking at five hundred images—a slice of pizza— a boat— Anne Hathaway— the word 'conundrum'—and the unique responses can identify each person individually with 100% accuracy.

Responses to visual stimuli might seem trivial, but they say a lot about an individual. In fact (with the proper clearance), these responses could gain you access into restricted

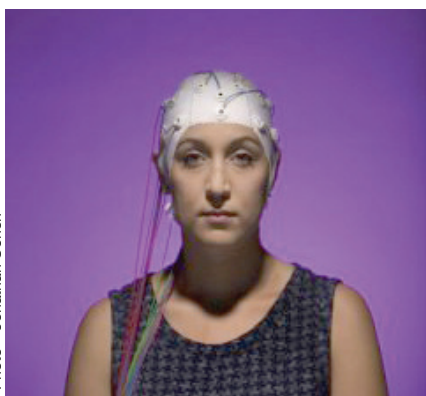


Photo - Jonathan Cohen

Woman wearing an EEG headset.

areas of the Pentagon.

"With hundreds of these images every person is going to feel differently about each individual one, then you can really accurately identify which person it was who looked at them just by their brain activity," said Assistant Professor of Psychology Sarah Laszlo.

"We see the applications of this system for high security physical locations", Laszlo said."

Science Daily, 04-18-2016
Binghamton University





What To Know

May 2016

- 3 Challenge Night - Theme SHADOWS
- 10 Ed. Night, TBA
- 17 Print & Digital Competition night
- 24 Photo Forum Night, Q & A, Demos

June 2016

- 7 Challenge Night - Theme TBA May 3
- 14 Ed. Night, TBA
- 21 Print & Digital Competition night
- 28 Photo Forum Night, Q & A, Demos

**No EPS
Meetings in
July & August
Have a Happy
Shooting Summer**

September 2016

- 6 Challenge Night - Theme TBA June 7
- 13 Ed. Night, TBA
- 20 Print & Digital Competition night
- 27 Photo Forum Night, Q & A, Demos

October 2016

- 4 Challenge Night - Theme TBA Sept. 6
- 11 Ed. Night, TBA
- 18 Print & Digital Competition night
- 25 Photo Forum Night, Q & A, Demos

November 2016

- 1 Challenge Night - Theme TBA Oct. 4
- 8 Ed. Night, TBA
- 15 Print & Digital Competition night
- 22 Photo Forum Night, Q & A, Demos

Where To Go

• Bill Haynes

Has a one person show during the month of May of black & white candid images of people. The show will be viewable M-F from 8 - 5 in the Harris Hall Lobby at the Lane County Courthouse, 125 E 8th Ave. in Eugene.

• Ben Carlson

Will be giving a class on light-painting photography at the Yaquina Art Association camera club in Newport on Monday, June 6, for their education night program.

• EPS Club Print Show

June 1st – June 30th, in the Harris Hall Lobby at the Lane County Courthouse, 125 E 8th Ave. in Eugene. Two images per person, three if this is your first time at this location. Any subject - Images must be your best!

**Got a show?
Have a show going up?
We want to know!**

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

**Have your photos
been published?**

Send complete details

to

<bittled70@gmail.com>

Classified

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*This
Space
Available*

EPS WHOLESALE print show supplies

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*Available only with 10"x 15"
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(some assembly req.)

**\$2 from each mat, frame
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Contact:

**Bruce Bittle 541.343.2386
FREE Delivery to club meetings!**

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Oregon Gallery

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Red River Paper

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***The Shutterbug* Camera Stores**

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U of O Bookstore Art Department (Basement)

Corner of 13th Ave. & Alder St.

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Web Mats & Frames / Vistra Gallery

160 East Broadway, Eugene

20% discount on printing, matting & framing, Up to 30% on orders over \$500