

Nov
2020

The BELLOWS

Proposed Slate of 2021 EPS Officers, Board Members

As stated in the EPS Bylaws, the new Slate of Officers to be voted on by the EPS membership in December must be posted 30 days prior to the vote. Voting will take place via Zoom at the beginning of our first meeting in December on Thursday the 3rd of the month.

In lieu of the "floor Nomination" rule prior to voting, nominations can also be made by email or at an earlier zoom meeting. If nominated by email or by Zoom, a candidate does need to agree to accept the position he or she was nominated for prior to the vote via email or Zoom acceptance.

If anyone wishes to be dropped from this slate, or wishes to fill a vacancy, please let **Ron Seguin** know ASAP.

Officers & Board Members:

President, **Kevin Reilly**

Vice-President, **Gary Lentsch**

Treasurer, **Anne Campbell**

Secretary, **Chris Baird**

Board Members at Large

Mike VanDeWalker

Graham Smith

Jean Jensen

Krystal Grube

Jerry Gowins

Board Member # 6 Vacant

Committee Chairs:

Challenge - *Vacant*

Competition - **Mark Gotchall** (back-up **Hernando Convers**)

Critiquing - **Terry Smith**, ***Jim Buch** (Co-chairs)

Education **Jon Parker**, ***Dave Horton** (Co-chairs)

Photo Forum - **Rochelle Villanueva**, ****Kevin Reilly**

Ron Seguin - *President*

**Nonvoting position ** Votes as President*

**ALL MEMBERS 'ZOOM' PRESENT WILL VOTE
THURSDAY DECEMBER 3RD**

**ALL EPS ZOOM MEETINGS
Will CONTINUE UNTIL
FURTHER NOTICE**

Inside This Issue

• Board Meeting & Treasurer's Report	2
• How to Pay Your 2021 EPS Dues	3
• NPPNW Zoom meet Sat. Nov. 7th	4
• Ultrafast camera - 15 Trillion fps	5
• What to Know - Classifieds	6



Light is your subject – Color is your partner

EPS Club News

But, Lady Luck can sometimes be your best buddy

FULL REPORT FROM EPS BOARD OF DIRECTORS

October 29, 2020

EPS Well Funded for the Future

The board approved the 2021 budget at the October 29th meeting. EPS currently has \$17,581 cash on hand, but we expect that amount to go down just a little bit in 2021. Covid-19 will probably have a negative effect on our income (with a potential decline in membership, frame sales and some uncertainty about our yearly raffle and auction.) **On the plus side**, Northwoods church has been very accommodating concerning our rental agreement.

Budget Allows Better EPS Education Programs

The biggest change in our budget for 2021 is an increase in our investment in education. Education night projected expenditures are climbing to \$1,500 from \$800 in 2020. Thanks to **Dave Horton** and **Jon Parker**, we're getting some fantastic speakers and we want to make sure they're well-funded for the next year.

One of the advantages we've had with our virtual "Zoom" meetings is the ability to have speakers from around the country without the expense of bringing them to Eugene in person.

January 2021, EPS Dues Can be Paid by Credit Card

The 2021 member's dues invoice will have a link to a page on our website where you can pay your dues (\$35 single or \$50 couple) with a credit card. If you're old-fashioned, you can still mail a check to the club's PO box. *[See next page for details]*

Also, new members joining the club will be able to fill out an electronic form and pay by credit card as well.

New fun for Challenge Night

Over the summer, **Gary Lentsch** introduced the club to his version of Poker Night, and it had such rave reviews we've decided to continue doing a number of Poker Nights in 2021. They'll take the place of a few of our Challenge Nights.

Another New Idea for Photo Forum Night

Terry Smith submitted the idea of the club doing Portfolio Reviews for our members. Look for more information from our Photo Forum night hosts, **Rochelle Villanueva** and **Kevin Reilly**.

When are we going back to in-person meetings?

The honest answer – **we don't know**. It's unlikely we'll be having in-person meetings through the winter, and it could potentially be next Fall (or even later) before it will be safe for our membership to get together inside for meetings.

The club's members are mostly in the high-risk age group. Until then, we will continue to hold our normal meetings via Zoom.

Kevin Reilly - Treasurer





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How to Pay EPS Dues Next Year

As per the EPS Board meeting discussion and approval last month, the following necessities are now in place on the website.

Online New Member Sign Up

You will see this both in the top menu bar and in the side menu visible to the public. After completing the form the user is taken to the new online payment page. A copy of new members information is sent to a mailing list that includes the bookkeeper, treasurer, comp night chair webmaster and president as they all have system information to input somewhere.

How to Pay Your Dues

We have finally gotten past the 1990's and are accepting online credit card, Google Pay and Apple Pay for paying dues. The link is in the members menu on the right side of the site down in with other club related pages. This link will also be printed on yearly invoices sent out to members for dues renewal.

Mike VanDeWalker - EPS Web Master



2021 EPS Field Trips Needed in Planning Stage

It's not too early to begin preliminary planning even though the potential for success seems doubtful right now. Think positive about possible trips that could be implemented successfully even if things aren't entirely the way they were once upon a time that we all wish for every day.

Any EPS members can propose a Field Trip that you think might be attractive for club members especially when we're all eager to get out there and have some fun. But, only if it can be safe at all times. *[What you need to know is right here]*

Example: This spring Burce Rd. at the south edge of Finley Wildlife Refuge five miles North of Monroe is a safe in-car trip no matter how many cars are there at the same time. So, think of other photo destinations that might be similar.

Make this a 'Team' effort as Nike says, **"Just Do It."**

Position Open Official EPS Field Trip Coordinator

Job Description

- A Friendly personality
- Good organization ability
- Be a long-time Oregonian (Or Nor'westerner)
- Have traveled extensively
- Familiar with annual photo events & area seasonal activities
- Provide local information for lodging, camping, food, etc.
- Lead occasional auto caravans, hikers, safely & expeditiously
- No extensive camera knowledge required

Call 619.548.7301



Annual Convention

Columbia Council of Camera Clubs

'Zoom' Meeting FREE to all 4Cs Club Members

*Two morning
sessions 9 AM*

*One afternoon
presentation*

**Columbia Council of
Camera Clubs**
SAVE THE DATE
NOVEMBER 14, 2020

Virtual Convention
Workshop Speaker: Sean
Bagshaw
2019-2020 Awards
EID Club Invitational

NOVEMBER
14 14 14 14

*Speaker Bagshaw
2 Presentations*

*2019-2020
Winning Images*



Free Zoom Invitations Will Be Sent To All 4Cs Clubs



REGISTRATION IS FREE!

Click this link to reach the registration page -

https://us02web.zoom.us/webinar/register/WN_CMpkKxAGQceEgoZKdzOUyQ

NATURE PHOTOGRAPHERS
NPPNW
OF THE PACIFIC NORTHWEST

Webinar Registration Form
NPPNW Fall Meeting - November 7, 2020

Description -

The fall meeting of NPPNW will be a virtual Zoom meeting on November 7 at 9:00 a.m. through about 12:00 p.m. The invited speakers will be Kennan and Karen Ward. Kennan is a photographer, videographer and adventurer-naturalist who has written several books about wilderness and wildlife. His work has been featured in many national and international magazines including Audubon, National Geographic, and Outdoor Photographer. Karen's eye for beauty and her love of the animals being photographed are tangible in her images. Together in the field, they have photographed their way across several continents, many countries, and hundreds of national parks and protected wilderness areas. The Wards hope that by educating people about the joy and beauty of nature they can help to protect it.

Nov 7, 2020 09:00 AM in Pacific Time

* Required information

First Name *

Last Name *

Email Address *

Confirm Email Address *

Address *

City *

Country/Region *

Zip/Postal Code *

State/Province *

Phone *

By registering, I agree to the [Privacy Statement](#) and [Terms of Service](#).

Register





New Opticals Set Ultrafast Imaging Record, 15 Trillion fps

High-speed cameras taking pictures in quick succession makes them useful for visualizing ultrafast moving phenomena, such as femtosecond laser ablation for precise machining for manufacturing processes. This new method for ultrafast imaging will also allow scientists to visualize, shock-wave interactions in living cells, watch certain chemical reactions and ultrafast transient ignition for nuclear fusion energy systems.

Scientists at Shenzhen University, China, have recently developed an all-optical ultrafast imaging system with high spatial and temporal resolutions, as well as a high frame rate. Because the method is all-optical, it's free from the bottlenecks that arise from scanning with mechanical and electronic components.

Among the various parameters in photography, the sequential imaging of microscopic ultrafast dynamic processes requires high frame rates and high spatial and temporal resolutions. In current imaging systems, these characteristics are in a tradeoff with one another.

Their design focuses on non-collinear optical parametric amplifiers (OPAs). An OPA is a crystal that, when simultaneously irradiated with a desired signal light beam and a higher-frequency pump light beam, amplifies the signal beam and produces another light beam known as an idler. But how is such a device useful in a high-speed imaging system?

The answer lies in cascading OPAs. The information of the target, contained in the signal beam, is mapped onto the idler beam by the OPA while the pump beam is active. The idler then moves in a different direction and captures a second image while the signal beam moves toward the next stage in the OPA cascade just like how water would descend in a waterfall taking multiple pictures in extremely quick succession.

The speed of capturing consecutive pictures is limited by how small the difference between two laser delay lines can be. In this regard, this system achieved an effective frame rate of 15 trillion frames per second -- a record shutter speed for high-spatial-resolution cameras.

Conversely, the temporal resolution depends on the duration of the laser pulses triggering the OPAs and generating the idler signals. In this case, the pulse width was 50 fs (fifty millionths of a nanosecond). Coupled with the incredibly fast frame rate, this method is able to observe ultrafast physical phenomena, such as an air plasma grating and a rotating optical field spinning at 10 trillion radians per second.

According to Anatoly Zayats, Co-Editor-in-Chief of *Advanced Photonics*, "The team at Shenzhen University has demonstrated ultrafast photographic imaging with the record fastest shutter speed. This research opens up new opportunities for studies of ultrafast processes in various fields."

This imaging method has scope for improvement but could easily become a new microscopy technique. Future research will unlock the potential of this approach to give us a clearer picture of ultrafast transient phenomena.

Source:

Science Daily, Sept. 17, 2020

Univ. Shenzhen, China

International Soc. for Optics & Photonics



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Shutterbug Camera Stores

Coburg Road – Valley River Center

10% discount on most camera accessories and photo finishing



What To Know

November 2020

5 Challenge Night - Theme TBA Oct. 1
12 Ed. Night, TBA
19 Digital Competition night
26 Photo Forum Night, Q & A, Demos

December 2020

3 Challenge Night - Theme TBA Nov. 5
10 Ed. Night, TBA

*Only Two Meetings
this month
HAPPY HOLIDAYS
to all EPSers*

The December BELLOWS

Will be the
final issue after
18 voluntary years
by
Editor/Designer
Bruce Bittle
&
Proofreader
Donna Burgess

*"We thank EPS for
this opportunity.
It's been a fun run."*

Where To Go

• At the Courthouse

No more
print shows
at this location
until further notice.

Classified

**Classified Ads Free to
all
EPS members**

This
Space
Available

Got a show? We want to know!

**Have your photos
been published?**

- Magazines
- Brochures
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Send complete details to:
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*"If you don't blow your own horn,
somebody else will use it
for a spittoon."*

Ambrose Bierce

EPS WHOLESALE
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\$17 FRAMES (16"x 20" OD)
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(some assembly req.)

**\$2 goes to EPS from each
of the above purchases**

Contact:
Bruce Bittle 541.343.2386
FREE Delivery to club meetings!

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Inquiries about, or submissions for **The Bellows** (deadline is the last week of the month for following month publication) send to Editor, c/o Emerald Photographic Society, 1236 Debrick Rd., Eugene, OR 97401, or by email <bittled70@gmail.com>



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