FREMONT PHOTOGRAPHIC SOCIETY

SHUTTERBUG

VOL. 48, NO. 5 OCTOBER 2017

PRESIDENT: HAL GEREN - 745-7588
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N4C REPS: DOUG STINSON & HAL GEREN
NEWSLETTER: DOUG STINSON
DIGITAL CHAIRPERSON: HAL GEREN

Meetings are held at the Fremont Cultural Activities Center, 3375 Country Drive, Fremont, at 7:30 pm. The Development meeting is on the 2nd Wednesday and the Competition meeting is on the 4th Wednesday of each month, excluding holidays. The Fremont Photographic Society website is: http://fremont.photoclubservices.com/

DEVELOPMENT MEETING

The next development meeting will be held **Wednesday, October 11th** at 7:30 PM.

INTERESTING PLACES AND PROCESSING TIPS

Presenter: *Ian Bornarth*

Originally from western New York, Ian has received a Masters of Fine Art from the Hartford Art School in Hartford, Connecticut and a Bachelor's of Science in Photography from the Rochester institute of technology in Rochester, New York. He has been photographing travel and nature subjects for more than twenty years, traveling to many European countries including Russia and throughout much of the United States and North America. His travel work is well complimented by a strong interest in traditional large format landscape and nature photography.

Ian has been teaching photography for almost twenty years. He has held faculty positions at the Hartford Art School, Quinnipiac University and Central Connecticut State University. Ian currently is teaching photography at the Art Institute of California in San Francisco.

COMPETITION MEETING

The next competition meeting will be held **Wednesday, October 25th**. Competition closes: Tuesday the 24st at 7:00pm.

		Categories			
Print:	Pictorial	Mono	Travel	Photojournalism	
Projected:	Pictorial	Mono	Creative	Nature	
Special Category:		Strong Emotion			

Judge: *Jeff Dunn*

Jeff has been a professional critic in the arts for the last 16 years, and has had considerable experience in evaluating competitions. Jeff is a member of the Music Critics Association of North America and has judged contests for Toastmasters International for many years. A Photoshop enthusiast, he is the only classical music critic in the U.S. to illustrate his reviews with original photomontages.

Jeff, with a Ph.D. in Geologic Education, is also an outdoor photography specialist and has published two books of his Death Valley photography.

Jeff is a highly experienced naturalist, having spent ten summers as a seasonal interpreter at Grand Teton National Park, and preparing and giving tours for Betchart Expeditions in Death Valley and geologic tours and seminars in Mt. Lassen Volcanic National Park.

Jeff's photographs have been displayed at juried Alameda on Camera Exhibitions, the Alameda Museum, and as Finalists in Photographer's Forum Spring Photography contests.

PHILOSOPHY: Music and photography have much in common. It is their immediate subjectivity that, in my opinion, distinguishes the great from the mediocre output in these arts. And yet both are grounded in numerous principles that need to be thoroughly understood, practiced—and violated when necessitated by artistic vision. When it comes to contests, however, I believe such vision must be consistent with Division definitions to be recognized with top rewards.

Meetings begin at 7:30 and **those who are entering prints should be there between 7:00 and 7:15** to complete the entry process prior to 7:25. Courtesy to the evening's judge and fellow club members indicate that members be seated before 7:30.

Quote of the Month

"All photographs are memento mori. To take a photograph is to participate in another person's (or thing's) mortality, vulnerability, mutability. Precisely by slicing out this moment and freezing it, all photographs testify to time's relentless melt."

– Susan Sontag

MEMBER NEWS

What have you been up to in photography? Let me know at douglas-stinson@comcast.net!

PHOTO COMMUNITY NEWS

WHAT'S THE SCOOP ON LIGHT'S L16?

The L16 is certainly the most unusual camera to appear – maybe since the beginning of Photography. It is the brainchild of Dr. Rajiv Laroia who realized he was one of the 57% of people who abandoned their high end DSLRs for the convenience of a smartphone, yet are disappointed by the quality of smartphone cameras. The question: how to make a relatively low-cost, easy-to-use, carry-in-your-pocket camera with image quality that rivals a DSLR?

The solution he came up with was to mount 16 smart phone cameras in a single body, and use sophisticated image processing algorithms to combine the separate images into one. The camera contains five 28mm f/2.0, five 70mm f/2.0 and six 150mm f/2.4 lenses. (Focal lengths are 35mm-format equivalent.) The lenses are 5-element molded plastic lenses with diffraction-limited performance. This combination allows true optical zoom from 28mm – 150mm. In practice 10 cameras are used at any one time; which cameras are used depends of the zoom level selected.

Front view of the L16 camera

The L16 uses the Android operating system and is controlled much the camera on a smartphone.

The result is what Light claims to be a camera that produces images with better quality than a Canon 5D Mark IV kit that includes the lenses that cover the 28mm – 150mm focal length range, in a package that weighs 15 oz. It's approximate size is 6.5 in. x 3.3 in. x 0.94 in. allowing it to fit in your back pocket. Current price is $1950.

For example, when shooting wide angle, the 28mm lenses each capture the full scene, but from slightly different perspectives. Movable mirrors aim each of the 70mm lenses at different areas of the scene. Each lens focuses on a standard smartphone 13 megapixel sensor, some of which have the standard R-G-B-G pattern Bayer filter for capturing color information, but some have no filter for capturing luminance information at higher resolution and without the light loss in the filter.

The blue 28mm lenses capture the blue-framed images while the red 70mm lenses capture the red-framed images when taking a wide-angle shot with the L16 camera.

With one pixel from 10 different cameras focused on the same area, over 10 times the light is collected, allowing greatly improved low-light performance compared to a smartphone. By using slightly different exposures in the different camera, the dynamic range can be increased.

Software in the camera stiches the information from all the pixels into one 5 megapixel jpeg for instant sharing. But the camera also outputs information in DNG and LRI format that can be processed on a computer using Light's *Lumen* software into high dynamic range 52 megapixel images.

Because of the physical separation of the different cameras, parallax is used to determine the distance from the camera to each pixel in the image. This is used, not only to implement autofocus, but also to enable post-capture selection of depth-of-field as well as limited post-capture selection of focus. It also enables many other applications where 3-D information can be useful.

Additional specifications can be found at https://light.co/camera - tech-specs.

What's next? Improved software and hardware acceleration to allow more in-camera processing, a lower quality version for implementation onto regular cell phones, and – Dr. Laroia's personal fantasy – a camera that can zoom to from 28mm to 600mm in a package the size of a tablet.

MORE HINTS ON MOUNTING PHOTOS FOR COMPETITION

- Make sure the label is in the upper left corner of the back of the print mount. If it is located anywhere else, your print may be judged upside-down (generally, this does not produce optimum results) or not at all (if someone is a real stickler for the rules.
- Those commercial mats that have a triangular opening expose the back of the print to the wear and tear of the world. The print can get jarred loose from its mount or be damaged.
- It's an unfortunate fact of life that at the monthly competitions the judge needs to sort through hundreds of excellent images to select the winners. They are forced to look for reasons to reject a print. Damaged,

dirty mats, or mats with tape, etc. on the front inevitably detract from the appeal of the print.

NEW MAXIMUM IMAGE SIZE FOR N4C COMPETITIONS

The N4C Board recently voted to increase the maximum image size allowed in Interclub Competitions to **1920 pixels wide by 1200 pixels tall** from the current 1600 x 1200 pixels. This size corresponds to the resolution of the monitor used when judging photographs submitted to Projected Image competitions. This change will be effective with the January 2018 competition.

This change will have no impact on Fremont Photographic Society members as we have already changed our maximum image size to 1920 pixels wide by 1600 pixels tall. Images that are larger than allowed are automatically scaled down to fit within the allowed dimensions.

This change will allow photographs With an aspect ratio greater than 4:3 to take full advantage of the HD resolution of our club's video projector and, starting in January, the resolution of N4C's display. For example, full frame 35mm landscape orientation images and panoramic images should be displayed at higher pixel-count than in the past. This change will have no effect on photographs in portrait orientation.

Note: FPS's use of 1600 pixel vertical dimension is a bit of an anomaly as it corresponds to no display or projector currently in competition use. If you want to make sure that an image is displayed exactly as intended, you may want to scale your images to fit within 1920 x 1200 pixels and do final editing, such as sharpening, prior to submission, rather than depending of the competition software's scaling algorithm.

BACK ISSUES OF *THE SHUTTERBUG* AVAILABLE

You can find back issues of this newsletter on our website, https://fremont.photoclubservices.com. On the main menu, click on *Organization* and select *Documents and Files to Download* from the drop-down menu.

FPS TUTORIALS AVAILABLE ON-LINE

Several of the presentations given at the Development Meeting are available for download from our website. Go to our website https://fremont.photoclubservices.com and hover over "Organization" and click on "Documents and Files to Download".

FOTOCLAVE: *BIGGER AND BETTER!*

Fotoclave is a weekend full of learning, connecting, and sharing with experts in photography. This premier photography forum will be held November 3 – 5, 2017 at the Marriot Pleasanton.

Registration is limited to 300 people and is filling up fast! To register, and for more information, go to:

https://fotoclave.slickpic.com.

In addition to speakers and workshops, a Juried Digital Photography contest has just been announced. There is no entry fee and there are cash awards. The keynote speakers (George Lepp, Seth Resnek and Brenda Tharp) will choose the winners.

PHOTOGRAPHIC OPPORTUNITIES

S-3 PHOTO WALK

The S-3 Photowalk group sponsors a free field trip on the 3rd Saturday of each month. They are led by Ralph Cooksey-Talbott, a well-known local photographer and former student of Ansel Adams.

For more information check out:
http://s3-photowalk.com/ or call Ralph Cooksey-Talbott at 510-742-0548.

CELEBRATE THE 100TH ANNIVERSARY OF THE CALIFORNIA NURSERY

On October 14th there will be a 100 year celebration of the Roederer family at the California Nursery. The Fremont Cultural Arts Council (FCAC) will have a booth, and the park will be open -- an ideal time for photography or plein aire painting. There's an old adobe, interesting plants (including palm trees that were shipped to San Francisco and back for the 1915 Worlds Fair) displays of historical farm equipment and much more!

If you would like to provide your brochures for the FCAC booth, or provide some kind of historic and/or artistic interactive activity, please let Margaret Thornberry know at (510) 928-8404 . If you would prefer to have a booth of your own, please contact Joyce Blueford of the Math/Science nucleus.

WHEN WILL FALL FOLIAGE PEAK?

Check out this interactive map:

https://smokymountains.com/fall-foliage-map/

MAP OF GREAT PHOTO LOCATIONS

David Coleman has produced an interactive map to help you find great places to take photographs, all within a 4 hour drive of San Francisco. Check out:

https://www.davidcolemanphotography.com/resources.

OTHER INTERESTING THINGS TO PHOTOGRAPH

- Diwali - Festival of Lights, Saturday, Oct. 7, 2017 -- 11 a.m. to 11 p.m. Alameda County Fairgrounds, 4501 Pleasanton Ave., Pleasanton, CA 94566: https://fogsv.com/fog-diwali/
- Hardly Strictly Bluegrass, Oct 6-8, Golden Gate Park, San Francisco: http://www.hardlystrictlybluegrass.com/2017/
- Olive Festival, Oct 7&8, 10 AM – 5 PM. 43326 Mission Blvd, Fremont, CA 94539 (Behind the Mission): http://msjchamber.org/events/olive-festival/
- Sandcastle building contest, Oct 14, 11AM-3:30 PM Ocean Beach at Balboa St, San Francisco: http://leapsandcastleclassic.org

- Iā ʻOe E Ka Lā Hula Competition & Festival, Nov 3-5, Alameda County Fairgrounds, 4501 Pleasanton Avenue, Pleasanton, CA 94566: https://www.kumuhulaassociation.com
- Day of the Dead SF, Nov 2, 4 -11PM, Various locations: https://dayofthedeadsf.org
- Great Train Show, Nov 25 &26 10AM-4PM. Alameda County Fairgrounds, 4501 Pleasanton Avenue, Pleasanton, CA 94566: http://trainshow.com/pleasanton/
- Sonoma County Roller Derby events: http://sonomacountyrollderby.org/events/

TALKS, PRESENTATIONS, SHOWS AND WORKSHOPS

The website bayareaphotoscene.com contains the most complete listing of San Francisco Bay Area photography-related events. Become a registered user to receive customized content and sign up to be notified of newly listed events.

Know about an event related to photography? Send the info to douglas-stinson@comcast.net and it will be added to the website. Note: currently the plan is to list only free events and those sponsored by non-profit / educational organizations.

CONTESTS AND CALLS FOR ENTRY

SONY WORLD PHOTOGRAPHY AWARDS

The Sony World Photography Awards celebrated its 10th anniversary in 2017, a decade-long partnership between Sony and the World Photography Organization, bringing you one of the world's leading photography competitions. The competition is free to enter and is open now. There are several categories; the earliest deadline is Dec 4, 2017. More info at:

https://www.worldphoto.org/sony-world-photography-awards

PACIFIC ART LEAGUE

This Palo Alto gallery is welcoming photographers of all levels; we want to see how you create alluring images reflecting the fragments of life. Whether it be abstract or representational, nature or urban, timeworn or new, personal or ordinary. The gallery invites all photographic processes in color or BW. Submission Deadline: October 5th.

For more information see:
https://pacificartleague.submittable.com/submit/87248/photography-exhibition-nov-2017

CALLFORENTRY.ORG

The website CaFé provides a list of many Calls for Entry and contests.

Other Contests

https://www.all-about-photo.com/contests-for-amateurs.php

https://www.all-about-photo.com/contests-open-to-all.php

ARTICLES OF INTEREST

- Latest news on California's fall colors: http://www.californiafallcolor.com
- Website that recommends what lens you should buy based on the photos you like: https://www.whatthelens.com
- The monkey selfie copyright case is over – for now: https://www.washingtonpost.com/news/volokh-conspiracy/wp/2017/09/17/no-monkey-business-here-the-monkey-selfie-copyright-case-is-over-for-now
- It's Everywhere! The Transamerica Building as "photo bomber": http://www.sfgate.com/living/article/Transamerica-Pyramid-SF-photos-ispy-12218468.php
- Kodak's first digital camera and what happened as a result: https://lens.blogs.nytimes.com/2015/08/12/kodaks-first-digital-moment/
- A Camera that fits in your pocket competes with high-end DSLRs: https://www.wsj.com/articles/this-crazy-camera-is-the-future-of-photography-1506527521
- Get any shaped bokeh you want: https://petapixel.com/2017/09/16/customize-bokeh-photos-using-laser-printer/

PHOTOGRAPHY RESOURCES

- *Adobe Stock* has a good explanation of what images can be used for commercial purposes and when a release is required. Note that different rules apply to images created for personal use, journalistic or Fine Art purposes. https://helpx.adobe.com/stock/contributor/legal.html
- Do's and Don'ts of memory card use: http://blog.jeffcable.com/2016/12/why-you-should-not-delete-images-on.html
- Searchable listing of local exhibits, talks, artists receptions, workshops, conferences, etc. related to photography: https://bayareaphotoscene.com
- The Fremont Photographic Society Website: https://fremont.photoclubservices.com/
- The N4C website for information about competition rules, programs, resources, etc.: http://n4c.org/
- The N4C website for competition results: https://n4c.photoclubservices.com/
- Local places that support chemical photography:
  - Oscar's Photo Lab at 790 Brannan St, San Francisco
  - Glass Key Photo at 442 Haight St, San Francisco
  - Looking Glass Photo & Camera, 1045 Ashby Ave, Berkeley CA.
- Lighting tutorials. Click on the image to learn how it was made: http://bit.ly/2oxVoVD
- Test data for lenses and cameras: https://www.dxomark.com/
- Reducing blur from camera shake: http://bit.ly/2mn3n3u
- Lots of info on inkjet printing from Red River Paper: http://bit.ly/2fMNpxi
- Information on color spaces, device profiles, and conversions: http://www.dpbestflow.org/color/color-space-and-color-profiles
- Do your own resolution testing (free software image analysis software, too!): http://www.normankoren.com/Tutorials/MTF5.html
- Information on cleaning sensors: http://www.cleaningdigitalcameras.com and here: http://blog.jeffcable.com/2017/06/dust-spots-on-sensor-of-your-digital.html

Can you recommended good sources of information about photography, or better sources than the ones listed here? Let me know at douglas-stinson@comcast.net.

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Competition Results

COMPETITION LEVELS

N4C supports multiple competition levels in each division. The Fremont Photographic Society has elected to stay with two levels only: Basic and Advanced. Any member can compete in either of the two levels. For example, a member can compete in Pictorial at the Advanced level and in Monochrome at the Basic level. A member is free to change from one level to the other at any time.

SEPTEMBER COMPETITION RESULTS

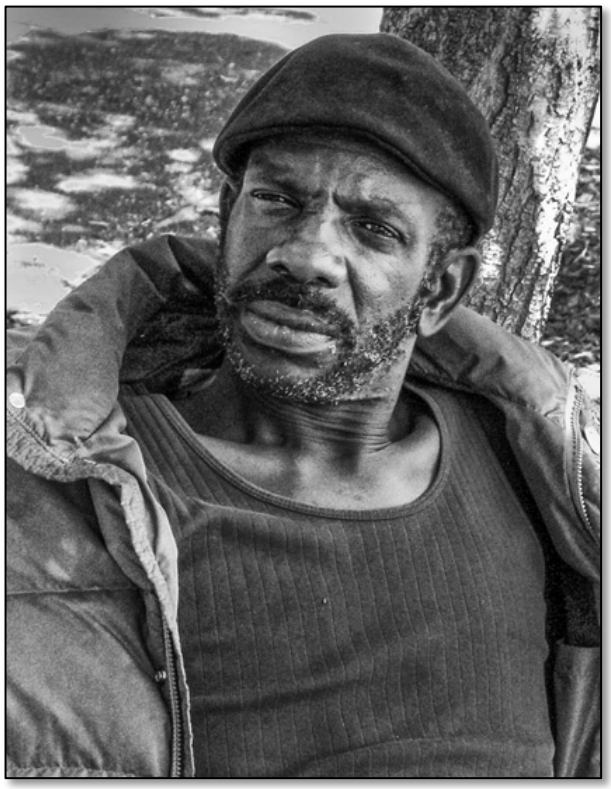
***Judge:* Chris Cassell**

17 prints & 54 projected; 71 Total

Monochrome Prints - Advanced

1st Tea Garden Pond Paul Kessinger

2nd Surf Foam Greg Geren



3rd John Paul Kessinger

Creative - Advanced

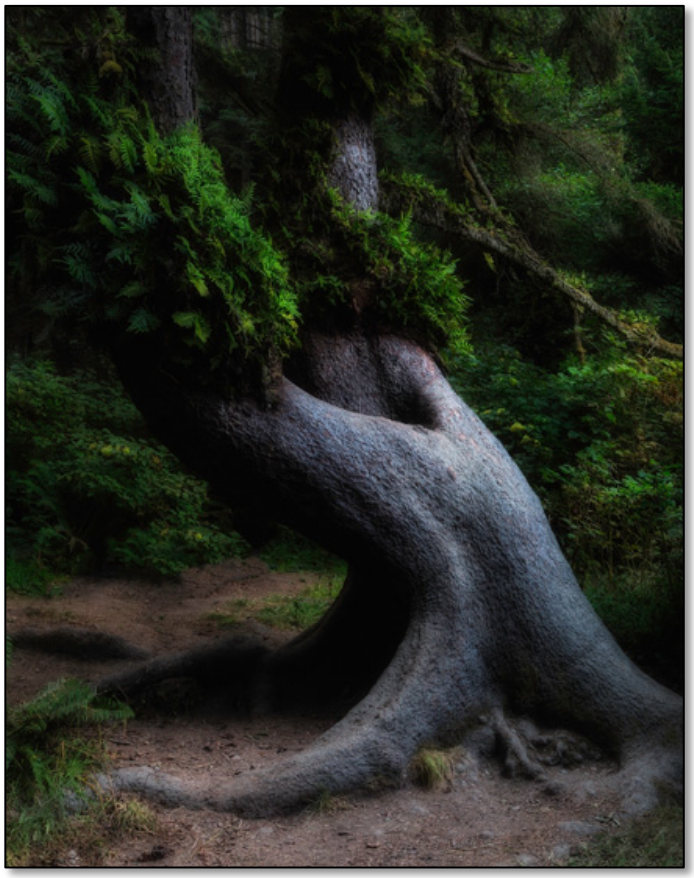
1st Cloud computing Marina Grabovskaya

2nd Freeing herself from the feeble body - power of mind over matter Marina Grabovskaya

3rd Grinding Out a Firey Drink Rajeev Shankar

Pictorial Prints - Advanced

1st Into the storm (Best in Show) Marina Grabovskaya



2nd North Coast Foliage Greg Geren

3rd View from Abandoned Graffiti Covered Powerhouse, Ferry Point, Richmond
Paul Kessinger

Special Category Prints — 'Macro'

1st Folk dance as photographed by a mouse
Marina Grabovskaya

Nature - Advanced

1st Brown bear (Ursus arctos) on lookout for salmon in Alaskan wilderness Marina Grabovskaya

2nd Tule Elk remain wary while the herd graze
Greg Geren

3rd The Silhouettes of Two Pelicans Glide Effortlessly Between the Pounding Surf and the Setting Autumn Sun Paul Kessinger

Photojournalism Projected Images — Advanced

1st Fremont Fire volunteers walk among the crowds (#1 of a sequence of 3) Rajeev Shankar

2nd Wildebeests migrate from Serengeti, Tanzania to Masai Mara, Kenya by crossing over Mara river in search of new grasslands Sree Alavattam

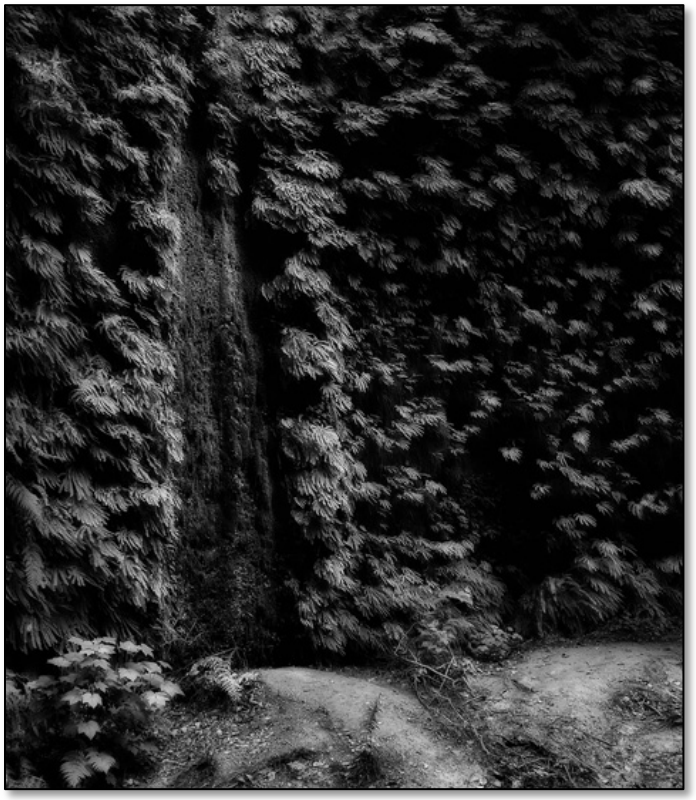
3rd Photography is a hobby that enthralls very different people across the globe [1 of 3]: young kids Marina Grabovskaya

HM The Neptune Cleaners; Schloss Heibrunn -17th Century Pleasure Gardens, Salzburg, Austria

Joy Wang

Monochrome Projected Images – Advanced

1st White rhino with calf in Kenya Sree Alavattam



2nd A Fall Joy Wang

3rd Clouds Gather over the Palace of Fine Arts
Paul Kessinger

HM Carriages waiting for riders in Central Amsterdam
Rajeev Shankar

Travel Projected Imaged– Advanced

1st Miroir d'eau (Water Mirror) , the world's largest reflective pool in Bordeaux, France (Best in Show)
Marina Grabovskaya

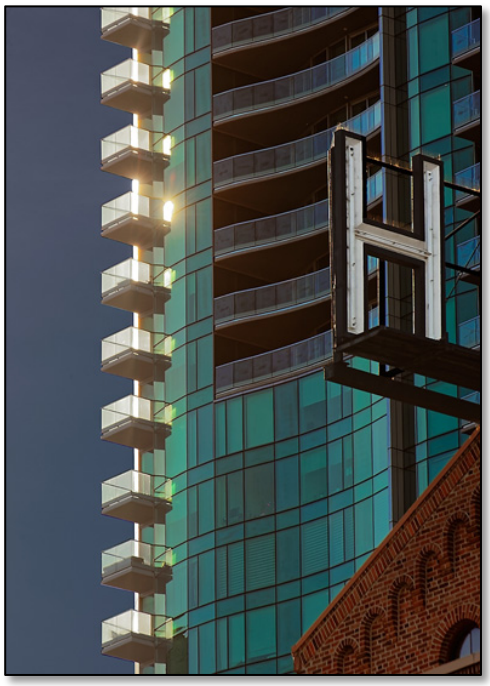
2nd Car Pooling, Philippine Style, Dumaguete, Philippines Robert Bynum

3rd Capturing the Aurora borealis over an ice museum, Fairbanks, Alaska Sree Alavattam

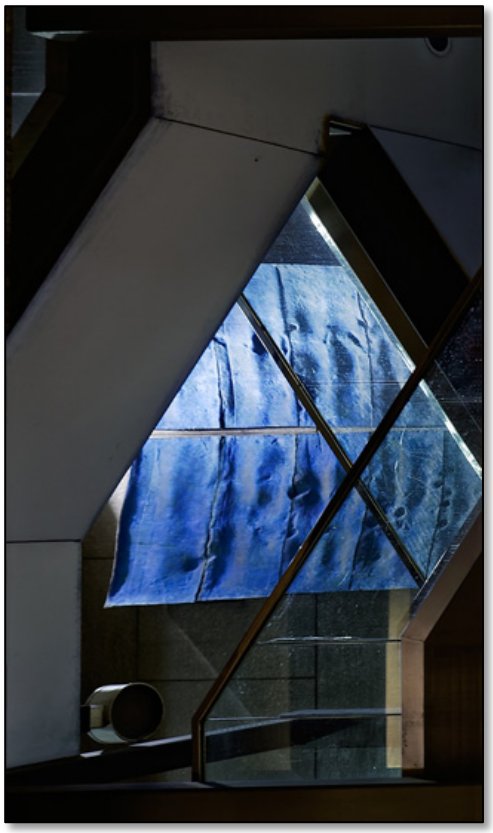
HM Photo shoot at the Plaza de San Francisco in Old Havana, Cuba Marina Grabovskaya

Pictorial Projected – Advanced

1st African sunset Sree Alavattam



2nd "H" Doug Stinson

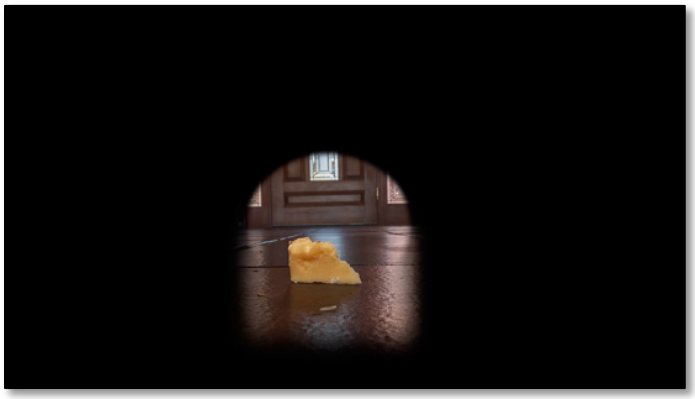


3rd Embarcadero shapes and colors Doug Stinson

HM Autumnal Equinox Sunset Over San Francisco Bay Paul Kessinger

Special Category Projected – 'Mouse Eye View'

1st The goal is within reach! Doug Stinson



2nd Say Cheese! Doug Stinson

3rd Secretary bird as seen by its prey
Sree Alavattam

Notes on FPS Scoring

Points are assigned as follows:

1st Place	20
2nd Place	18
3rd Place	16
Honorable Mention	14
Non-placing (Did not receive HM or higher) submission	8
Image/Print of Month, add	5

One Honorable Mention is allowed for every ten images submitted to a competition. For example, if 23 shots are submitted to the Pictorial Print competition, there will be two honorable mentions available. However, the number of awards issued is at the discretion of the judge.

Up to 6 printed images and 5 projected images may be presented each month. Each sub-category (i.e. printed pictorial) is limited to 2 entries per member per month.

Any picture that places 3rd or higher automatically will be collected and submitted to the monthly N4C competition, unless otherwise requested. An exception is for the Special Category, which does not have a corresponding N4C category. N4C participation is optional.

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N4C WINNERS

N4C MONTHLY COMPETITIONS

All winning images (3rd and above) from the club's monthly competitions are automatically entered into the next month's N4C competition, unless requested otherwise. The Northern California Council of Camera Clubs (N4C) is an organization of camera clubs in the bay area and surrounding region that sponsors a monthly competition of the winners from18 member clubs.

The monthly N4C meeting is held the second Monday of each month from 7:30 to 9:30pm (no competition in December). Each club's representative or alternate attends the meeting. The meeting takes place at:

United Methodist Church
1600 Bancroft Avenue
San Leandro, CA 94577

Fremont Winners in the N4C September Competition

Creative Projected – Advanced (33 Entries)

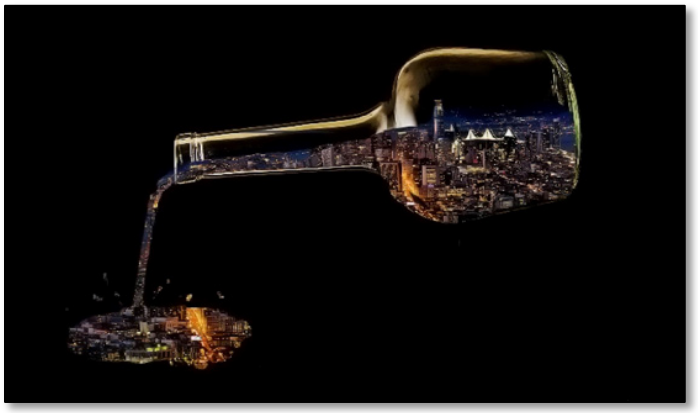
2nd Walking into the Future Marina Grabovskaya

Travel Projected – Advanced (37 Entries)

3rd Paris in Fall Rajeev Shankar

4rd In the Old Havana – Historic Center of Havana, Cuba Marina Grabovskaya

Creative Prints – Advanced (28 Entries)



4th The City Flows Forth Paul Kessinger

Monochrome Prints – Advanced (18 Entries)

5th A Conversation in Front of the Merchant Saloon
Paul Kessinger

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POINTS EARNED

Total Points To-Date for the 2017-2018 Year

Creative Prints

Doug Stinson	8
Greg Geren	18
Marina Grabovskaya	62
Paul Kessinger	41
Raul Lopez	

Monochrome Prints

Arthur Widener	
Douglas Stinson	8
Fred Horn	
Greg Geren	72
Jason Cheng	
Joy Wang	
Marina Grabovskaya	
Paul Kessinger	107
Raul Lopez	
Wayne Angeloty	

Nature Prints

Doug Stinson	
Greg Geren	56
Marina Grabovskaya	20
Joy Wang	
Paul Kessinger	16
Raul Lopez	

Photojournalism Prints

Fred Hom	
Jason Cheng	
Joy Wang	
Marina Grabovakaya	72
Paul Kessinger	20
Rajeev Shankar	16
Raul Lopez	
Wayne Angeloty	

Pictorial Prints

Arthur Widener	
Douglas Stinson	25
Fred Hom	
Greg Geren	78
Hugh Nelson	
Jason Cheng	
Joy Wang	
Marina Grabovskaya	77
Paul Kessinger	86
Rajeev Shankar	16
Raul Lopez	
Wayne Angeloty	

Special Category Prints

Greg Geren	20
Joy Wang	
Marina Grabovskaya	112
Paul Kessinger	
Raul Lopez	

Travel Prints

Douglas Stinson	
Fred Hom	
Greg Geren	
Joy Wang	38
Marina Grabovskaya	74
Paul Kessinger	34
Raul Lopez	

Creative Projected Images

Charlie Day	
Doug Stinson	8
Ed Kneler	
Fred Hom	16
Greg Geren	16
Gregory Smith	20
Jason Cheng	
Joy Wang	
Marina Grabovskaya	65
Paul Kessinger	32
Rajeev Shankar	30
Raul Lopez	
Ravi Masand	
Sean Duan	
Sreedhara Alavattam	26
Wayne Angeloty	16

Monochrome Projected Images

Arthur Widener	
Bill Preston	8
Charlie Day	
Doug Stinson	32
Fred Hom	16
Greg Geren	42
Gregory Smith	
Jason Cheng	20
Joy Wang	26
Marina Grabovskaya	8
Paul Kessinger	86
Rajeev Shankar	30
Raul Lopez	
Ravi Masand	
Sean Duan	76

Sreedhara Alavattam	50
Wayne Angeloty	24

Nature Projected Images

Charlie Day	
Ed Kneler	
Greg Geren	30
Gregory Smith	
Jason Cheng	30
Joy Wang	
Paul Kessinger	
Rajeev Shankar	34
Raul Lopez	
Ravi Masand	
Robert Bynum	24
Sean Duan	16
Sreedhara Alavattam	38
Wayne Angeloty	55

Photojournalism Projected Images

Bill Preston	
Charlie Day	
Doug Stinson	24
Ed Kneler	
Fred Hom	
Greg Geren	16
Jason Cheng	16
Joy Wang	14
Marina Grabovskaya	59
Paul Kessinger	22
Rajeev Shankar	20
Raul Lopez	
Ravi Masand	
Robert Bynum	8
Sean Duan	8
Sreedhara Alavattam	
Wayne Angeloty	22

Pictorial Projected Images

Arthur Widener	
Bill Preston	16
Charlie Day	
Doug Stinson	88
Ed Kneler	
Fred Hom	
Greg Geren	64
Gregory Smith	28
Jason Cheng	42
Joy Wang	24
Marina Grabovskaya	52
Paul Kessinger	62
Rajeev Shankar	40
Raul Lopez	
Ravi Masand	
Robert Bynum	8
Sean Duan	76
Sreedhara Alavattam	66
Wayne Angeloty	40

Special Category Projected Images

Bill Preston	
Charlie Day	
Doug Stinson	38
Ed Kneler	
Fred Hom	18
Greg Geren	20
Jason Cheng	
Joy Wang	8
Marina Grabovskaya	56
Paul Kessinger	
Rajeev Shankar	
Raul Lopez	
Robert Bynum	34
Ravi Masand	
Sean Duan	8
Sreedhara Alavattam	46

Travel Projected Images

Bill Preston	
Charlie Day	
Doug Stinson	
Ed Kneler	
Fred Hom	
Greg Geren	8
Jason Cheng	8
Joy Wang	8
Marina Grabovskaya	69
Paul Kessinger	16
Rajeev Shankar	34
Raul Lopez	
Ravi Masand	
Robert Bynum	26
Sean Duan	
Sreedhara Alavattam	36
Wayne Angeloty	

Total Points All Categories

Bill Preston	24
Charlie Day	
Douglas Stinson	231
Ed Kneler	
Fred Horn	50
Greg Geren	440
Gregory Smith	48
Hugh Nelson	
Jason Cheng	116
Joy Wang	118
Marina Grabovskaya	726
Paul Kessinger	522
Rajeev Shankar	220
Raul Lopez	
Ravi Masand	
Rick Brandt	
Robert Bynum	100
Sean Duan	184

Sreedhara Alavattam	280
Wayne Angeloty	157