



Crystal Lake Camera Club Newsletter

Serving Crystal Lake, IL and surrounding communities since 1980

April, 2016

Year 2016, Issue 4

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Congratulations to Roger Willingham whose photograph "Tulips in the Springtime" was chosen as the April Seasonal Image of the Month. It was taken in Chicago's Millennium Park during the Spring of 2014.

Your photograph can appear here next month. See the submission procedure in the "Opportunities" section on page 10. ◇



Give
it a
shot !



"Tulips in the Springtime"

Roger Willingham

2016 CLCC Officers

- Co-Presidents :**
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- Vice President :** [Peter Pelke II](#)
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- Competition:** [Jeff Chemelewski](#)
- Small Groups:** [Maureen Harris](#)
- Refreshments:** Larry Swanson
- Outings:** **OPEN**

Presidents' Column

So where do you go to take pictures - around the corner, around the block or perhaps around the world?



Last year we started a brand new adventure in our club, which surprisingly became a huge success. It is the "Outings" group. Rinus Lammers spearheaded and developed it into a wonderful experience for all who participated in the outings. Rinus notified us that circumstances will no longer allow him to continue to coordinate these wonderful group outings - and honestly, we will miss his guidance, expertise and ability to find some extremely unique places to go and take pictures. Thank you Rinus, for stepping up and creating a very fun group for many of us to take advantage of, and to experience a fantastic opportunity to learn from each other while having fun. We are looking into alternative options to continue this program. Anyone feeling the desire to take control of outing planning and coordination is welcome to give us a call.

As many of you know, we have implemented our new adventure for this year - Small Groups - and it has taken off with a bang. Maureen Harris has taken the reins as coordinator with a passion and desire to make this program a success. We hope you consider joining a small group to hone those skills in photography that have been eluding you for so long. We are sending emails to update information frequently, and we hope you review the information and think about joining one or two groups. Feel like getting involved - email Maureen at parcon129@gmail.com to see what groups are available for you to join (the current list is also on page 7 of this newsletter). If you have an idea for an interesting subject that is not offered, tell Maureen you would like to organize your own group. She will be more than pleased to provide assistance.

When the Advisory Committee met last week, there was considerable discussion about programs, presentations and education for the rest of the year. One of the reasons we have an Advisory Committee is to brainstorm on

See **President**, Page 2

President, from Page 1

ways to bring quality events to the club. As good as we think we are in making these decisions, the bottom line is – **THIS IS YOUR CLUB.** We would love to hear from you regarding what you want us to bring to the members, and would appreciate your input.

Finally, but certainly not the last of accomplishments from our club members, is **Scott Migaldi**. Scott runs our Facebook page - and watching it grow these past few months has been fun. There are many of you who receive the newsletter who are not members of the club but want to stay connected. I encourage everyone to look at our club's Facebook page and **friend** it. There are places there for you to learn from and have fun. Scott's monthly challenges are generating some very impressive images and he posts all of them on our page. Also, this page is a place to find many reminders and notices of what's going on in the club. Scott keeps everything up to date and will post any newsworthy items emailed to him. Check it out, click on being a friend of the club and start enjoying all the wonderful things going on here at Crystal Lake Camera Club.

To all the rest of the staff that produce so much for our benefit, thank you for all you do.

Lastly, take a minute enjoy the Spring. Finally, it appears we are exiting winter, and photo opportunities are blossoming, just as the beautiful flowers are doing.

Chuck & Al ◇

BILL BROWN HOLDS CLCC MACRO CLASS

On Tuesday evening, March 8, former CACCA president and accomplished photographer Bill Brown held a class in macro photography for CLCC members. About 20 club members were in attendance for the two hour class, which included both a slide presentation with Q&A, and a hands-on working session spread across about a dozen stations which were comprised of various macro subject opportunities which Bill had set up for attendees to cycle through. He also supplied light sources of various colors and brightness for each station with which class participants could experiment.

Everyone had a lot of fun experimenting with their cameras and lenses, while Bill made the rounds offering helpful suggestions. ◇

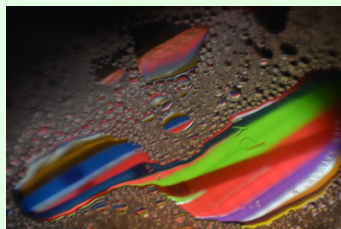


Bill Brown by Paul Litke



Bill Brown showing his home macro studio

Paul Litke



Soap Bubble Films

Paul Litke



Truncated Icosahedron

Paul Litke

KNOW YOUR CLUB OFFICERS

Greetings... I'm Al Popp, and together with Chuck Rasmussen, one of your co-presidents.



It all started as a nine-year-old with a Kodak Brownie 127, one of those strange little boxes that you opened up the back and threaded in a roll of something called film. So armed, I scurried about snapping pictures. Our pet dog, neighborhood pals, playing at the park, family vacations and stuff like that all became fair game for the enquiring lens. Getting older, I graduated to the 120/620 and 4x5 types.

Our eighth-grade science teacher showed us how a home darkroom was a great place to play. It was always fascinating how images appeared in a solution as if by magic. Trays of chemicals and an enlarger fought for space with the automatic washer and clothes dryer in the basement laundry room. At other times, the local drugstore or U.S. Post Office frequently provided that needed assistance.

My high school years opened the world of 35mm equipment and photographing school events. Also, my first real job, working in a – *Camera Store*. For those who remember these dinosaurs, they were places that only sold things photographic. Our town had no fewer than four within a three-mile radius of our home. The experience was great and allowed for me to do freelance work, such as wedding photography and other odd jobs.

About nine years ago, I discovered digital photography and had to learn all about this new kind of media. My years of work-life centered on information technology, and made for an easy transition to create pictures out of ones and zeros. MCC classes provided more answers. What did I discover? By using a piece of software for ten minutes it was possible to accomplish what would eat up more than two hours of time spent in a darkroom.

For me, photography is great fun. Not all of my results are the best, but I find it a way to relax and get creative. To continually absorb new ideas. To experiment and try out new things. That's why I keep enrolling in classes and seminars – to meet people and learn from others.

Today I'm pleased to be a part of CLCC and being able to rub shoulders with all you like-minded folks. Happy photographing. ◇

CACCA POSTCARD COMPETITION

Royal Pitchford

You're invited to have some fun and show your creativity in the annual CACCA postcard competition, which is open to all CLCC members. Please bring one or two postcard entries to the CLCC April 5 meeting, and we'll submit them for you at the CACCA meeting on April 9. Judges will award Honorable Mentions, Awards and/or Best of Show to the leading entries.

All postcards must be 4"x 6". The maker's identity cannot appear on the front of the postcard, but should be listed on the back, along with the title of the image/postcard, the artist's name, email and/or phone number, and the name of the camera club. Each postcard must be entirely the work of the maker, and cannot incorporate the work of others.

The postcard example shown on the right was Lyle Anderson's entry in the 2015 CACCA postcard competition, which won an Award.



Machu Picchu

Lyle Anderson

If you haven't entered before, this is a great time to start. Good luck! ◇

CHICAGO PHOTOGRAPHER WHO IS MAKING A DIFFERENCE *

Grace Moline

Professional Chicago photographer *Christopher Jacobs* was recently on assignment for the American Psychological Association to photograph *Dr. Nneka Jones Tapia*, the new Executive Director of the Cook County Department of Corrections where approximately 9,000 male and female inmates are housed. Tapia is unique in that she is believed to be the first clinical psychologist or psychiatrist to be the executive director or warden of a major jail or prison in the United States. This was a particularly good fit as 35% of the mostly poor, black inmates have a serious mental illness. Over the course of this assignment, Jacobs talked extensively with Tapia and felt that he had to do something.

"We talked a lot," Jacobs recalls, "and as she explained her mission I was blown away by her thought process and ideas. I was just compelled to ask her, can I volunteer to do something here?" That turned into him teaching a two hour class twice a month from September to December, 2015. The class started with 26 men but became 12 men due to some participants being released, or convicted and sent to another prison.

The class format started with Jacobs showing photos by great photographers such as *Ansel Adams* and *Annie Leibovitz*, and asking the inmates to discuss and critique what they saw. Artist friends were also brought in to discuss their processes and their work.

Having met rejection from various companies to donate cameras to the inmates, Jacobs purchased bright blue Vivitar digital cameras so that the class participants could take pictures. Unfortunately, the students were restricted to the grounds of the Mental Health Transition Center (MHTC) to make pictures, so they had to stretch their creativity. And so they did.

"After each class I would go back to my studio and download the students' images," Jacobs says. "To see their visions was like opening presents."

The culmination of the photography class was a photo exhibit that a couple of hundred people attended. There were also around a hundred prisoners, heavily armed guards, relatives of the inmates, jail administration & staff, and the press. The prisoners were brought from the jail to the MHTC by bus. In the gymnasium, the walls were covered with the inmates' photographs except for the portion of one wall which had photographs that Jacobs took of the prisoners dressed in sport coats which he had bought for them. Jacobs was presented with an award by Dr. Tapia. Four of the prisoner/photographers spoke formally. One speaker, *Freddie Rice*, who was in Jacobs' class returned for the event after he was released. In Rice's powerful talk he said how jail for some can be "a place of battered lives and broken dreams", and how the photo class had made it "something brighter". As one of the guards said, "Says a lot when a person will come back in here if he doesn't have to."

The following questions and prisoners' responses were mounted on a portion of the gymnasium wall. *Did you enjoy this photography class?* "It is something new to me. I never experienced such a thing." "Because I learned how to tell a story by taking pictures." *How did this class impact your thought process?* "It has brought me peace through pictures." "It allows you to look at things different than before." *What can you utilize from photography that perhaps you could use in your life?* "To inspire myself to maybe take this to another level. Side job!" "Create a story of everyday life."

Cook County Sheriff *Tom Dart* was unable to attend the event but did see the photographs the day before. Speaking about prisons, Dart said, "The situation is worse than anybody could imagine. Eight-five percent of the people who get out come right back in. It is our job to help fix them. We've got to give these people tools so that they are better off, have a better chance, than when they came in." Speaking about the need for innovative programs, he said that "Photography was not on my radar screen. But, like I said, I was just blown away." (after seeing the photographs).

Jacobs plans on having a second photo class soon. He went on to say, "What if *Beethoven* never had access to a piano? What if *Ansel Adams* never had access to a camera? These men in jail are human beings. There is potential." "Will it change their lives? I don't know. I hope so, in some way. But this experience has changed my life. I have taken photos of very cool people, been in a lot of cool places. But this is the coolest thing I have ever done, and I am going to keep doing it."

* This is a condensed version of *Rick Kogan's* article, "Sharp Focus" published in the *Chicago Tribune's* February 14, 2016 issue. - Ed



Link Miller (L) and Ronnie Ramirez check out a recent exhibit of photographs taken by inmates at Cook County Jail's Mental Health Transition Center.
Photograph by Phil Velasquez / Chicago Tribune Photos



An inmate's photo illustration incorporates a garden shot and portraits.



Dr. Nneka Jones Tapia (L), Executive Director of the Cook County Department of Corrections, presents photographer *Christopher Jacobs* with an award for teaching a photography class to inmates.

DRONES AND PHOTOGRAPHY

Sandra Wittman

Drones are the new hot thing in photography. One only has to open a photo magazine to the new camera "toys" section to see drones for sale. Googling "drones" and "photography" brings up pages of different types of drones for sale to the general public. It is not hard to imagine how drones could be effectively used in sports photography, for example. However, wedding photographers are also using drones, and there are many articles telling photographers how to make fine art with drones.

However, this new toy can also be very dangerous. In early February, a New Jersey man was arrested after a drone he was flying crashed into the Empire State Building. According to the NYPD, the small drone crashed into the 40th floor and then dropped onto a landing on the 35th floor. Police said the suspect was charged with reckless endangerment. Apparently he was trying to take pictures and lost control of the aircraft. Apart from the terrible image of another aircraft flying into a tall building in New York City, drone flying can be a very dangerous activity.

In late January, the pilot of an American Airlines plane reported a drone crossed its flight path in the skies over Miami International Airport. American Flight 1317 from Chicago was just 500 feet about the ground on final approach, about a mile or two from touchdown, when the pilot reported seeing it. "That's a pretty frightening thing that a plane could be rerouted or diverted or possibly in some sort of danger because the drone got into the engine," said passenger *Lisa Wallace*. Miami International is a no fly zone for drones, but that didn't seem to matter to the person flying it, who was never apprehended. Last August, a drone came to within 100 feet of two airliners over New York.

So far the FAA has kept basic details of most of the incidents which occurred in 2015 secret, declining to release reports that are ordinarily public records and that would point out where and when the close calls occurred. *The Washington Post* obtained several hundred of the rogue-drone reports from a government official who objected to the FAA's secrecy.

For wildlife and landscape photographers, drones can be a very attractive tool, especially in the National Parks. National Park Guidelines (<https://www.gpo.gov/fdsys/pkg/CFR-2007-title36-vol1/pdf/CFR-2007-title36-vol1-sec2-17.pdf>) say that all types of aircraft are banned from parks "... other than at locations designated pursuant to special regulations." Specific unmanned aircraft regulations were put in place in July, 2014." said U.S. National Park Service Director *Jon Jarvis*. "I needed to sort of draw the line" [when drone use spiked] Jarvis said. The drones are prohibited because their presence can be disturbing, not only to people trying to peacefully enjoy the parks, but also to wildlife. Drones "... can interfere with, let's say, nesting birds or wildlife that is, you know, high on the mountain." "We had an incident with a drone chasing bighorn sheep and actually separating the adults from the young," Jarvis said further. The fines for flying drones in a national park can exceed \$1,000, but enforcing the ban is difficult.

Since December, 2015 the federal government has required owners of unmanned aerial vehicles to register their equipment. Part of that process includes learning the rules for operating drones. Those who refuse or ignore the rules could face stiff penalties. The maximum civil penalty is a fine of up to \$27,500. Criminal penalties can reach \$250,000 or three years in prison. However, enforcing these regulations and even catching drone operators in the act is often difficult. The FAA has an app that gives detailed information about areas where drones cannot fly. For more information on drone rules, visit FAA.gov. ◇



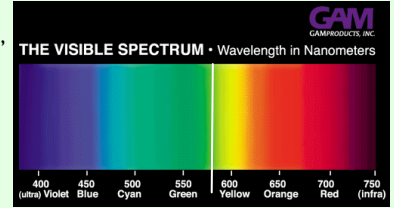
Cabo San Lucas, Mexico (from a drone)

Romeo Durscher

NEW COLOR DISCOVERED MAY HAVE IMPACT ON PHOTOGRAPHY

Rich Bickham

It has been discovered by Nicholas Konelli and Canton Onwar, (researcher engineers at Sierra Laser located in Los Alamos, NM and also amateur photographers) that a previously unknown color exists, 'lurking' between the green and yellow portions of the visible spectrum. Until now, it had gone unnoticed due to its extremely narrow range of wavelengths, specifically between 581.1 and 581.2 nanometers (a range of approximately 0.00000004 inches) - see the vertical white line in the figure on the right. In this part of the visible spectrum the ability of the human eye to differentiate between light of different wavelengths (colors) is limited to about 1 nanometer in normal ambient circumstances. This is ten times greater than the wavelength range of the new color, and explains why it has not previously been observed by humans. It has however been suggested that other life forms (animals, birds, fish, ...) may be able to sense it.



Konelli and Onwar are members of a team that made the discovery while conducting research in high efficiency, high power laser technology. They were working in a specially designed dark chamber (an enclosed area with virtually zero ambient light, much like a cave deep in the earth) while attempting to tune a prototype laser to a wavelength very near to the new color when they happened across something which they characterized as "... so strange that we had no words to describe it to the other team members". They had experienced a visual perception of a "color" they had never seen before. Since a laser by its nature emits light of only a single wavelength, they were able to sense the color due to lack of interference from adjacent wavelengths in the yellow and green ranges.

Realizing what they had discovered, they started thinking about the impact it might have on photography. They wondered how digital image sensors respond to the new light, and if printers could be made to reproduce it so that it would somehow be perceptible to the human eye. They plan to investigate these areas and more in the future. Image sensor, camera and printer manufacturers have all expressed interest in exploring how it may impact future products, and the scramble is on for proprietary rights.

An official name for the new color has yet to be chosen. Candidate names under consideration include *Greelow*, *Yelleen*, *Neogreen*, *Neoyellow* and *Aprilfool*. ◇



"There are no rules for good photographs, there are only good photographs."

– Ansel Adams

photographyicon.com/quotes

ICONIC PHOTO OF AN APRIL DAY IN HISTORY

Rich Bickham

During the 1930's the people of the Great Plains of the United States went through what Pulitzer Prize winning New York Times journalist and author *Timothy Egan* called "The Worst Hard Time" in his book of the same title. The nearly decade long ecological and economic disaster which came to be known as the Dust Bowl devastated the central and western high plains states of Colorado, Kansas, Nebraska, New Mexico, Oklahoma, and Texas. Its ecological impact was felt all the way to the east coast, and its economic impact was felt nation-wide.

For several years preceding this disaster, homesteaders had been encouraged by the U.S. government to populate the area (then having a population density of two people per square mile) by offering up to 640 acres of what was then considered the "greatest grassland in the world". Prior to the start of the Great Depression in 1929, many people took advantage of the opportunity and travelled west to populate the area. They began plowing up portions of their land grants to plant crops (primarily wheat). For a few years their crops thrived and demand (and prices) for their wheat were high. Then the bottom fell out of the market due to oversupply, and the farmers (at the suggestion of the government) began to plow up more of their land to plant more wheat to compensate. More and more of the vast grassland area was plowed under.

Then the climate changed. The rain stopped, the westerly winds grew strong and summer days frequently brought temperatures in excess of 100°. What followed was a literal "hell on earth" over an area of about 100 million acres as the dry topsoil, with nothing but shallow roots of dead or dying crops left to hold it in place began to turn to dust and blow away. Dust storms of enormous proportions frequently ravaged the land, some extending to altitudes of over 10,000 feet. Men and women choked on the dust, livestock suffocated from it, and at times day turned to night as people were unable to see their hand in front of their face.

In May of 1934 dust storms were so large and intense that their winds deposited an estimated 12 million tons of dust on Chicago, a lesser but still significant amount on east coast cities including New York and Washington, D.C. and covered ships as far out in the Atlantic Ocean as 300 miles with a layer of dust. The following year the worst storm of the era occurred on "Black Sunday", which started out as a sunny morning on April 14, 1935. During that single storm an estimated 300,000 tons of Great Plains topsoil was sent aloft during a single afternoon (more than all the soil removed during the seven years excavation of the Panama Canal).



Fleeing a Dust Storm - April, 1936

Arthur Rothstein

One year later, in April of 1936, photographer *Arthur Rothstein* took the above picture of farmer *Arthur Coble* and his two sons walking into a fierce wind toward his half buried home on his land in Cimarron County, OK. It is one of the most famous pictures of the Dust Bowl era ever published. Rothstein was a part of the U.S. Department of Agriculture's Farm Security Administration (FSA), created in 1935 to create a record of "American decay" in the Great Plains. Rothstein was the first photographer hired by FSA in 1936, and was dispatched to Oklahoma where he captured the above image (and many others) documenting the disaster. Other photographers of note who worked within for FSA include *Dorthea Lange*, *Gordon Parks* and *Walker Evans*.

Thanks in part to FSA photographers public awareness increased, and government programs were created to help farmers recover, and implement land management practices to insure that such a tragedy would never occur again. ♦

LINKS OF THE MONTH

Submitted by *Sandy Wittman*

The Tragedy of the Sloppy Photo

<http://www.graphics.com/article/tragedy-sloppy-photo>

20+ Reasons Why Being A Nature Photographer Is The Best Job In The World

<http://www.boredpanda.com/nature-photographers-behind-the-scenes/>

Submitted by *Roger Willingham*

Chicago Nights Time-Lapse Photography

<https://player.vimeo.com/video/126726117?portrait=0> ♦

TIP OF THE MONTH

Submitted by *Norm Kopp*

A FEW TIPS FOR PHOTOGRAPHING BIRDS

I photograph a lot of birds so here are some tips if you are interested in trying your hand at it.

- Do some research beforehand so you know where the kind of birds you want to photograph are likely to be, something about their habits, and what the best time of day/month/year is to see them.
- Use a long lens. I usually shoot between 400mm and 600mm, mounted on a sturdy tripod with a gimbal head.
- Birds should doing something - flying, eating or preening are good activities to capture.
- Keep man-made objects out of your shots - if not possible, post processing can be used to accomplish this.
- Always focus on the eyes.
- Big birds are easier to photograph than small birds. Hawks, egrets and eagles are usually good subjects since they tend to stay in the same place for long stretches.
- The prettiest birds are warblers, but they are small (only about 3"), stay on trees and constantly flit about.
- If you see something, take some quick shots. If the bird does not move, get a tripod for sharper close-ups. If it the bird continues to remain in the same place, move closer every few seconds and keep shooting.
- Mostly, just be patient! ♦



Spring Tulips

Rich Bickham

MARCH CACCA, AND OTHER EARLIER CLCC COMPETITION WINNERS

Congratulations to March, 2016 CACCA competition winner *Norm Kopp* :

Norm Kopp:

"Cell Block"- Large Monochrome - **CACCA Award**



Cell Block

Norm Kopp

Several more winning photos from other recent CLCC competitions are shown below and on the right.



Scouting for Women

Norm Kopp



Gold Miner's Ghost Town

Sandra Wittman

All photographs shown are uncropped, and are sized such that each has the same printed area while retaining its original aspect ratio. ♦



Bass Harbor Lighthouse

Lyle Anderson



Rhyolite Mountain - Iceland

Lyle Anderson



Single Iris

Connie Sonnenberg

DAVID FARBER PRESENTATION

Nature Photographer *David Farber* of Carpentersville, IL made a presentation to club members at the March 2 CLCC meeting. He shared many of his photographs taken in Alaska, Canada and Africa (among other locales), and the story of his incredible recovery after a terrible 1981 motorcycle accident left him without the use of both legs and left arm, and blind and deaf on his right side at the age of 28. Bound to a wheelchair, but determined to continue the hobby he loved, and driven by a new-found faith, he is now able to travel the world with a companion to take photographs using his good arm and cameras mounted to his wheelchair with customized supports and camera controls of his own design.



David Farber 3-2-16

by Paul Litke



Farber Presentation

Paul Litke



David Farber in the Field



Zebras

David Farber



Denali

David Farber

See <https://www.facebook.com/naturallyfarberphotos/info?tab=overview> ◇



ASK A PRO

Jim Pierce

Send your questions to:

downtownprophoto@sbcglobal.net

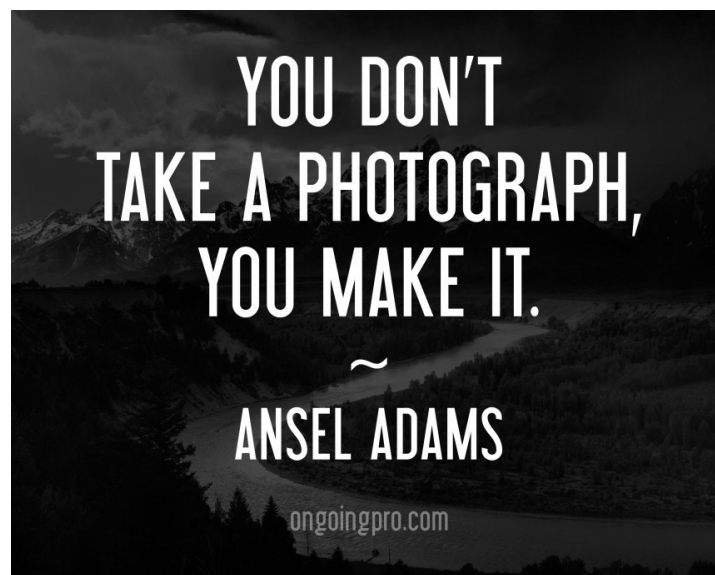
Please do not submit model-specific questions about cameras.

Jim did not receive a question this month. 🙄 ◇

CLCC SMALL GROUPS PROGRAM IS OFF TO A FAST START

Many thanks to club member *Maureen Harris* who has stepped up to take on the planning and coordination of the new Small Groups program (see the Presidents' Column in the February issue for details on the purpose of the program). The response from club members has been terrific, and meetings are already taking place. So far 25 members have signed up for one or more groups. The maximum individual group size is 8. The table below shows a list of the groups (current as of March 27, but still in a rapid state of flux), their current sizes and the meeting hosts. Contact Maureen at parcon129@gmail.com for the latest updates, if you have an interest in joining an existing group, or starting a new one. ◇

SMALL GROUPS - March 27, 2016		
Group Name	# of Members	Host
Advanced Post Process	3	Maureen Harris
Architecture	5	Grace Moline
Canon Camera Function	1	Maureen Harris
Composition	1	Open
Groups and Family	0	Open
Macro #1	7	Bob Cairone
Macro #2	6	Open
Nature Landscape #1	6	Chuck Rasmussen
Nature Landscape #2	4	Open
NIK Software	5	Maureen Harris
Nikon Camera Function	6	Chuck Rasmussen
Photoshop Elements	6	Peter Pelke II
Photoshop Lightroom	5	John Deleware
Portrait	7	Mariela Ryan
Street Photography	4	Chuck Rasmussen



BACK TO THE FUTURE OF PHOTOGRAPHY *

Rich Bickham

As discussed in last month's column, by the end of 1879 photographic emulsions had been made to be sensitive to light across the entire visible spectrum, setting the stage for color photography to become practical. The messy wet plate collodion process was replaced by dry plate processes (both gelatin and paper based films). Much work was done on quantifying the exposure properties of various emulsion (film) and paper combinations, and the concept of film speed (today's ISO) was introduced, which (along with heat treating) led to higher sensitivity films and the practicality of fast (sub-second) exposures in typical ambient lighting conditions.

State of the Art: 1880 - 1899

In the early 1880's English photographer *John Carbutt* (1832—1905) began working with thin celluloid strips (sliced from solid blocks of the material) with the intent of using them as a base for photosensitive gelatin emulsions. In 1888 he standardized the process. Samples were used for early motion picture experiments by inventor



Kinetoscope demonstration

Thomas Alva Edison (1847-1931) and his employee *William Dickson* (1860-1935), a Scottish inventor who in 1891 invented the kinetoscope (an early motion picture device which allowed a single person to view the movie through a peephole as shown on the left). Carbutt's celluloid strips were too stiff for that purpose, but by 1889 the flexibility had been improved and both *Hannibal Goodwin* (1822-1900) and the Eastman Kodak Company were

granted U.S. patents for a celluloid based film process (upon Goodwin's death, his patent was bought by the Ansco company who later sued Eastman Kodak for patent infringement and won). In 1889 Eastman Kodak produced the first commercially available transparent celluloid roll film. Its improved flexibility was a key enabler of the birth of the motion picture industry.

In 1891 *Gabriel Lippmann* (1845-1921) a Luxembourg-born physicist announced the invention of a method for fixing colors of the visible spectrum on a photographic plate based on optical interference, without the use of pigments or dyes. It makes use of the wave-like properties of light, which can be made to produce interference patterns of light and dark areas on a surface - further technical details are beyond the scope of this column. But his discovery would not be applicable to amateur or professional photography. It is expensive, uses specialized scientific equipment to record an image directly, needs long exposure times and produces unique one-of-a-kind images that cannot be reproduced by simple means. A photograph made by Lippmann himself in the 1890's using his technique and which he did reproduce is shown on the right. However, his work in this area did earn him the 1908 Nobel Prize in Physics, and paved the way for holography.



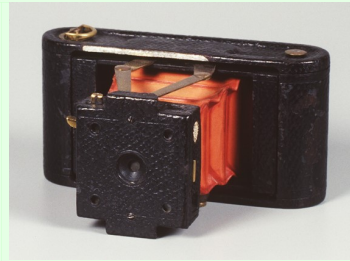
Interference image
Gabriel Lippmann

As mentioned above, the celluloid film strip enabled the motion picture industry, and in 1892 *Léon Guillaume Bouly* (1872-1932) invented and applied for a patent on the cinématographe, a device (shown on the left) for both the recording and later analysis of motion. It shot and projected the motion of objects. Unable to pay the patent fees, the rights to the invention were bought in 1895 by the brothers *Aguste Lumière* (1862-1954) and *Louis Lumière* (1864-1948) who had started experimenting with making "movies" in 1892. The Lumière brothers produced the first commercial (admission charged to view) film in 1895 - a 50 second movie titled "Workers Leaving the Lumière Factory," which was projected onto a screen using 17 meters of exposed celluloid film and a hand cranked cinématographe.



Cinématographe

Meanwhile, still camera technology was still advancing. In 1897 Eastman Kodak introduced the Folding Pocket Kodak (the first folding camera offered for sale to the general public). It is shown at the top of the column on the right, along with an early image taken with it in the Philippines in 1898. The foldout feature allowed the user to manually adjust the distance between the lens and the plane of the film for



Kodak folding camera (L) and an early photograph (R) taken with it.




proper focus, and also made for a compact unit which could fit in a pocket or purse. Kodak sold over 200,000 of them for \$10 (equivalent to well over \$240[†] in 2016 dollars). The basic folding design would remain popular into the 1930's.

Such was the state of the art in 1899.

Predictions for Photography's Future - circa 1899

The turn of the century saw a number of predictions of what life would be like in the year 2000. Here are a few photography related examples:

- 1) Of the more "uneducated" predictions, *Theodore Hildebrand* (of the Hildebrand & Son Chocolate Company) had an artist create a dozen color postcards which he had printed to included in the company's product packages at the 1900 World's Fair in Paris. One of them, shown on the right, depicts police using an X-ray camera to fight crime.^{††}

- 2) On the more "educated" side, in 1900 American Civil Engineer *John Elfret Watkins* predicted the electronic transmission of photographs across the globe by the year 2000:
"Photographs will be telegraphed from any distance. If there be a battle in China a hundred years hence, snapshots of its most striking events will be published in the newspapers an hour later.... photographs will reproduce all of nature's colors."
- 3) Watkins also foresaw the capability of viewing photos electronically at the camera location and at remote viewer locations.
"Man will see around the world. Persons and things of all kinds will be brought within focus of cameras connected electrically with screens at opposite ends of circuits, thousands of miles at a span."

Back to the Future

So how did those predictions fare?

- 1) The Hildebrands were a few years off and overestimated the size and portability. Hand-held X-ray "guns" are now being deployed in several large city police departments such as New York. The use of X-ray "cameras" has been in common practice in medical, industrial and astronomy applications for many years.
- 2) Watkins was quite a visionary, predicting near instantaneous global electronic transmission of images. Conceptually he foresaw the birth of the internet.
- 3) Watkins hits the nail on the head again, with what today is commonly known as the smartphone.

[†] Actually the \$240 figure is relative to 1913, the first year for which the United States government began publishing yearly inflation rates.

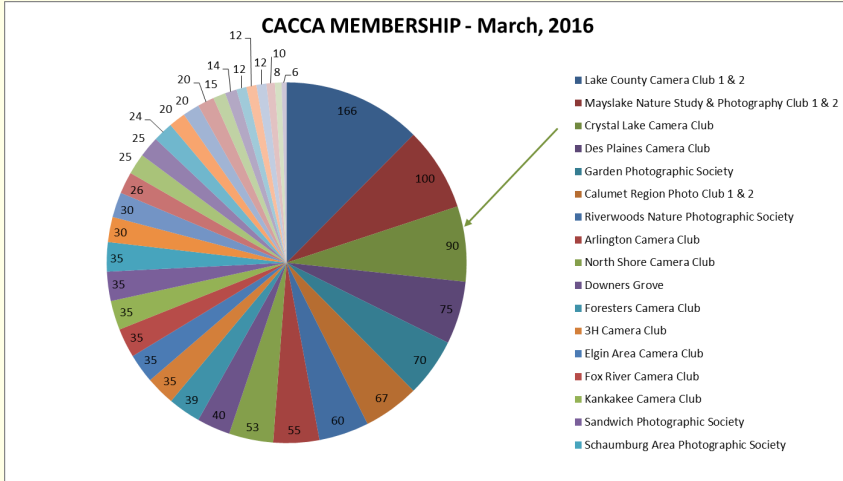
^{††} German physicist *Wilhelm Röntgen* (1845-1923) discovered X-Rays in 1895.

* This is the fourth in a series of columns which look back in time (starting in 1810) at the state-of-the-art of photography, and the predictions of where photography was going made by people in the field at the particular time span in history being considered. It also summarizes the accuracy of those predictions. - Ed ◇

CHARTS & STATISTICS

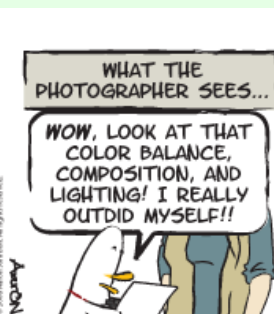
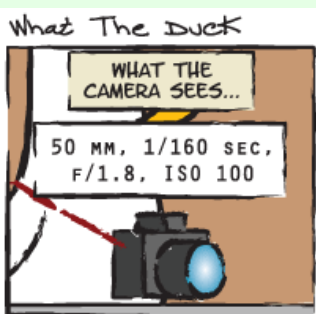
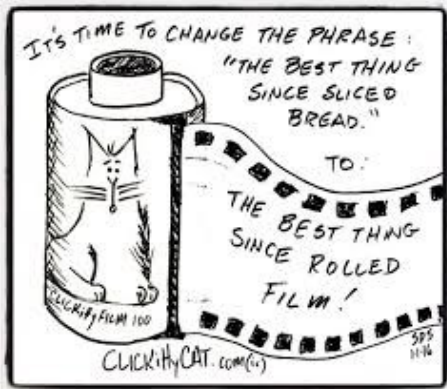
Rich Bickham

According to the website of the Chicago Area Camera Clubs Association (CACCA) there are currently 35 registered member clubs of CACCA. A compilation of club membership data published on the CACCA website on March 15, 2016 is shown in the table on the right, and in graphical form below (for clubs with membership of 35 or more). With 90 members, the Crystal Lake Camera Club (CLCC) is currently in third position in terms of club size by membership - this compares to 75 members (tied for third position) from a similar compilation done a year ago (February, 2015 newsletter). About 51% of current CACCA clubs are members of the Photographic Society of America (PSA). ◇



Rank	Club	Membership	%	PSA
1	Lake County Camera Club 1 & 2	166	12.4%	Yes
2	Mayslake Nature Study & Photography Club 1 & 2	100	7.5%	Yes
3	Crystal Lake Camera Club	90	6.7%	Yes
4	Des Plaines Camera Club	75	5.6%	Yes
5	Garden Photographic Society	70	5.2%	Yes
6	Calumet Region Photo Club 1 & 2	67	5.0%	Yes
7	Riverwoods Nature Photographic Society	60	4.5%	No
8	Arlington Camera Club	55	4.1%	Yes
9	North Shore Camera Club	53	4.0%	Yes
10	Downers Grove	40	3.0%	No
11	Foresters Camera Club	39	2.9%	Yes
12	3H Camera Club	35	2.6%	Yes
13	Elgin Area Camera Club	35	2.6%	No
14	Fox River Camera Club	35	2.6%	No
15	Kankakee Camera Club	35	2.6%	Yes
16	Sandwich Photographic Society	35	2.6%	No
17	Schaumburg Area Photographic Society	35	2.6%	Yes
18	Central DuPage Camera Club	30	2.2%	Yes
19	Fort Dearborn-Chicago Photo Forum	30	2.2%	Yes
20	Salt Creek Camera Club	26	1.9%	Yes
21	Oak Lawn Camera Club	25	1.9%	No
22	Washington Park Camera Club	25	1.9%	Yes
23	Southwest Suburban Camera Club	24	1.8%	No
24	Lombard Camera Club	20	1.5%	No
25	Sunny 16 Photographers	20	1.5%	Yes
26	Wright Camera Club	20	1.5%	Yes
27	F-Stop Camera Club	15	1.1%	No
28	St. Mark Camera Club	14	1.0%	Yes
29	Blue Island Camera Club	12	0.9%	No
30	Green Briar Camera Club	12	0.9%	Yes
31	Photogenesis Camera Club 1 & 2	12	0.9%	No
32	Digital Darkroom	10	0.7%	Yes
33	Creative Digital Imagers	8	0.6%	No
34	Pfun Pfoto Group	6	0.4%	No
35	Shutterbugs of Volo Bog	0	0.0%	No
Total:		1,334	100.0%	51.4% Yes

APRIL HUMOR IS NOT JUST FOR FOOLS



ADD THE CAPTION

Email entries to
richbickham@comcast.net
 by April 19, 2016

This month starts a new feature called "Add the Caption". Each month readers will have the opportunity to add a humorous caption to a photography-related picture. All entries will be published in the following month's issue and a winner chosen (sorry, no prizes). This month's photo is shown above. ◇

CLCC IS A MEMBER OF THESE ORGANIZATIONS



Chicago
Area
Camera
Clubs
Association



Click Icons to Link

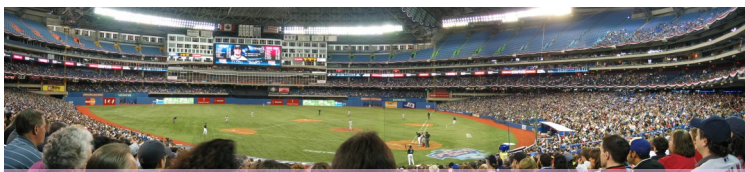
FROM THE EDITOR

Rich Bickham

Thank you to *Rinus Lammers* who has served as the club's Outing Coordinator since May of last year. Rinus did the up-front work for, and coordinated many good outings for the club during the past ten months, but due to increased demands on his time he will be unable to continue in that role. We are sorry to see him step down, however he remains a club friend and member. The volunteer position is now open, so if anyone is interested in taking over for Rinus, please let *Chuck Rasmussen* or *Al Popp* know.

For those readers who enjoy the "Humor" section of the newsletter, there is a new feature included in this month's issue, which will continue on a monthly basis subject to its popularity. It is called "Add the Caption" and will feature a different uncaptioned photograph each month. This idea was suggested by my daughter Jessica after she looked at the March issue "Humor" section (see the "Reader Feedback" section on the right). Readers are encouraged to submit a humorous caption for the picture. Captions should be sent to richbickham@comcast.net prior to the input deadline for the following newsletter issue. All suitable entries will be published in the following issue, with a winner being selected every month.

Last year I received verbal feedback from some readers that they would like to see more pictures in the newsletter. Since then I have tried to include at least one picture on each page, but it is not always possible. For issues when competition results are available, I always include one winning photograph (Honorable Mention or Award) from each winning entrant, and I will continue this policy. For issues following non-competition months, beginning with this issue (see page 6) I will also include other selected winning photographs from recent competitions taken by members who won multiple awards. ◇



Batter Up - Toronto Rogers Center (home of the Blue Jays) - April 10, 2005

HELP WANTED

CLCC is in need of a volunteer to become assistant editor of the newsletter. Beginning responsibilities may include some of the following:

- Pre-publication review of newsletter drafts for typos and other errors,
- Solicit inputs from members for future newsletters,
- Check and vet websites used in the newsletter,
- Contribute and/or create material for the newsletter.

The position may lead to editor responsibilities should the then-current editor be unable to perform duties in any given month(s). *Rich Bickham* will provide training and guidance. Interested individuals should contact Rich at

richbickham@comcast.net

We are always looking for good photography tips for the "Tip of the Month" and interesting links for the "Link of the Month" sections of the newsletter. If you have something helpful or interesting to share with our club members (which includes both novices and professionals so both basic and advanced topics are welcome), send them to richbickham@comcast.net before the newsletter input deadline. ◇



2015 PSA Newsletter Contest - Small Clubs Category

Third Place overall

Best Variety of Material

READER FEEDBACK

March Issue

I really enjoyed the Presidents' comments about journaling and it made me think back to how things must have been back in the *Ansel Adams* days, and what we needed to do then vs. now when we take photographs. Very thought-provoking. Your March historical photo was heart-wrenching and the narrative you provided was very well written. I don't know if I had ever seen the photo. I would think that I must have at some point, but I can't seem to remember it and if there's a picture one wouldn't forget, it would be one like that. Thank you for sharing. Finally, I loved the photo captions of the old photos you posted. Very funny!
*Jessica Bickham** - Kasilof, AK

This newsletter is amazing! I think it is just about the best I have ever seen. It is like reading *Outdoor Photographer* but for free.

Harriet Feagin - Plainview, TX

Good newsletter. Especially liked the history lesson.

James Stevens - Cary, IL

Reader feedback (good or bad) is always welcome and should be sent to

richbickham@comcast.net

* By way of full disclosure, Jessica is my daughter. - Ed ◇

NIK IS NOW FREE !

In case you have not already heard, a few days ago Google announced it was making the NIK collection of photo editing software plug-ins free as of March 24. Furthermore, anyone who has already purchased the software (about \$150) in 2016 will receive a full refund! See the full announcement at:

<https://plus.google.com/+NikCollection/posts/AFGsG2Di7EK>

Roger Willingham suggests that club members who have downloaded the free Nik Collection will find this site very helpful:

<https://support.google.com/nikcollection/?hl=en#topic=3000839> ◇

APRIL MEETING SHOW & TELL CHALLENGE

There will be no April club meeting Show & Tell challenge since it is a competition month. The May Topic will be "Batter Up". ◇

OPPORTUNITIES

Get your photography questions answered or your problems solved with our "Ask a Pro" program. Submit queries to downtownprophoto@sbcglobal.net, and *Jim Pierce* will provide an answer or solution to your inquiry personally, and in the next newsletter.

The front page picture (Seasonal Image of the Month) of the newsletter will be chosen from entries received from club members. Your entry must be received by the newsletter input deadline. Email a jpg image to richbickham@comcast.net with the subject line "Front Page Image Entry - Month" where *Month* is the intended newsletter issue month. The picture should have a seasonal theme.

Member photos are on display at several venues throughout the area. There are spots available for additional photos. The photographs need not be competition winners. All entries must be mounted on either 11x14 or 16x20 inch black mats, and have a business-card-size white label mounted in the lower right corner of the mat with the photograph's title, photographer's name, and the location at which the photograph was taken. Contact *Chuck Rasmussen* at chuckr@camira.com if you have questions or wish to participate. ◇

CALENDAR OF COMING CLUB EVENTS - April & May, 2016

DATE	TIME	LOCATION	DESCRIPTION	NOTES
April 5, 2016	6:15 - 7:00 p.m.	Home State Bank 611 S. Main St., CL Community Room	"Drop in Early" mentoring	1
April 5, 2016	7:00 - 9:00 p.m.	Home State Bank 611 S. Main St., CL Community Room	CLCC April meeting - Competition night	1
April 5, 2016			Deadline for CACCA postcard competition entries - jpg files to <i>Royal Pitchford</i>	5
April 9, 2016	8:30 a.m.	Colonial Café 5689 Northwest Hwy., CL	Saturday morning PhotoBug breakfast meeting	2
April 9, 2016	12:30 p.m.	Christian Church of Arlington Heights 333 W. Thomas St., AH	CACCA Seminar, meeting & competition judging	4
April 13, 2016	7:00 - 9:00 p.m.	Home State Bank	Presentation - "Printing Techniques" by <i>Alan Cox</i>	
April 19, 2016			Deadline for May newsletter inputs	3
April 26, 2016			Target date for May newsletter distribution	
May 3, 2016	7:00 - 9:00 p.m.	Home State Bank	CLCC May meeting - Program TBD	1
May 14, 2016	8:30 a.m.	Colonial Café	Saturday morning PhotoBug breakfast meeting	2
May 14, 2016	12:30 p.m.	Christian Church of Arlington Heights	CACCA Seminar, meeting & competition judging	4

Notes:

- 1) CLCC meetings are held the first Tuesday of every month. Home State Bank is located in Crystal Lake. It's the large building behind the drive-up just southeast of the intersection of Route 14 and Main Street. The Community Room is on the lower level - take the elevator just inside the south entrance.
- 2) The PhotoBug Breakfast meeting provides an opportunity for open conversation related to photography in general, plus good food and fun. Who knows, you may take home some great tips and ideas that help you capture better pictures. Don't dress up - it's all informal. It's a great way to get to know the club members on a more personal level too. This event is held at 8:30 a.m. on the second Saturday of each month.
- 3) Email to richbickham@comcast.net.
- 4) The monthly CACCA delegates meeting and interclub competitions are held on the second Saturday of each month. Those interested in attending should contact Lyle Anderson at lyleandr@sbcglobal.net or Royal Pitchford at rpitchford@live.com - you may be able to catch a ride with one of them.
- 5) See article on page 2 for entry details. ◇

UPCOMING NON-CLUB PHOTO-OPS OF POTENTIAL INTEREST



ROOKERY WATCH

View Nesting Herons, Cormorants and Other Waterfowl
Every Saturday from April 2 through May 28 from 8:00 a.m. - Noon
Almond Marsh Forest Preserve
Grayslake, IL



CABIN FEVER FESTIVAL

Windy City Amusement Carnival
Thursdays & Fridays April 14 & 15 and April 21 & 22 from 5:00 p.m. - 10:00 p.m.
Saturdays & Sundays April 16 & 17 and April 23 & 24 from 1:00 p.m. - 10:00 p.m.
2100 S. Randall Road
Geneva, IL



MIDWEST DAFFODIL SOCIETY SHOW

Hundreds of Daffodils on Display
Saturday, April 30 - Noon to 4:30 p.m. & Sunday, May 1 - 10:00 a.m. - 4:30 p.m.
Chicago Botanical Garden
1000 Lake Cook Road
Glencoe, IL ◇

