



# 3D Stereoscopic Weekend

May 21, 2016—Quaker Square Inn, Akron OH



Attendance	2006	2007	2008	2009	2011	2012	2014	2015	2016
Overall	67	63	55	42	64	37	35	40	30
Local		19	22	14	24	13	12	14	13

Time	Title/Author	Description
10:00 am	<b>Welcome</b> , John Waldsmith, Jay Horowitz	Introduction and event preview
10:10 am	<b>Spring Awakening</b> , Damir Vrancic	Interesting 3d video with transitions from 2D and B&W to 3D and color
10:20 am	<b>Jim Long's 3D Conversions</b> , Dennis Green	50 classic artworks ranging from the 1400s through the mid 1900s with 2D versions morphing into 3D.
10:30 am	<b>Stereoscopic Optical Illusions</b> , Jay Horowitz	Stereoscopically related illusions to exercise your eyeballs.
11:00 am	<b>Smitten, The Problem With Friends</b> , Jeff Boller	Jeff's latest work and some narrated 'behind- the-scenes- videos.
11:40 am	<b>VR update &amp; Demos</b> , John Ribarich	Hands on with the latest VR gear and apps.
12:00 am	<b>Lunch Break</b>	(Lunch is included with registration)
1:00 pm	<b>One Night in Hell</b> , London Stereoscopic Company	Animated purgatory based on Brian May's Diableries collection.
1:15 pm	<b>Scenic &amp; Remote New Mexico Sites</b> , Andrea Shetley & Lee Pratt	The Southwest at its most photogenic.
1:50 pm	<b>Extreme Focal Lengths in Stereo</b> , George Themelis	Theory, equipment and techniques using very long & very short focal length lenses for stereo.
2:20 pm	<b>Don Drone: 3D Aerial Photography</b> , Jim Rudick	3D stills, videos, and discussion on the unique view offered by drones.
2:40 pm	<b>Afternoon Break</b>	
3:00 pm	<b>View-Master Memories</b> , Wolfgang Sell	The history and heyday of the most popular 3D viewer.
3:30 pm	<b>Tulsa Oklahoma – 3D Con 2016</b> , NSA	Promotional 3d video for the NSA 2016 3D Convention.
3:45 pm	<b>On-site competition</b> , Barb & Paul Gauche	
5:30 pm	<b>Dinner Break</b>	
7:00-8:30 pm	<b>Judging OSPS 3D Image of the Year</b> , John Bueche	

Our 12th 3D Stereoscopic weekend was lots of fun. I was at first a bit worried because I got more notices from people that could not attend vs. those attending. But we managed to get 30 people (13 OSPS members), a bit lower attendance than previous years but still a good crowd.

The programs (see Table on the left) were very original. I was very impressed by the 3d conversions of famous paintings and also Jay's program on optical illusions in 3d. It was also nice to see the Don Drone in person. We held two judgments, one for the on-site competition and one for our Image of the Year competition.

Here is an email I received from **Jeff Boller** regarding the 3d Weekend:

*I wanted to thank you for a thoroughly enjoyable 3D Weekend. After I got home, I looked over the program schedule and thought that, of all the 3D Weekends I've been to, this was the strongest program that assembled so far. (Unfortunately, I didn't get to try out John Ribarich's VR stuff, which I'm sure would've been a highlight...but I did try out the Hololens and it was really cool!)*

*It was a pleasure chatting with you as always. If you're ever anywhere near the Pittsburgh area, drop me a line and maybe we could meet up somewhere. Or if you're ever near Greensburg, PA I could give you an official tour of The Simple Carnival's 3D video production/music studio.  
Jeff Boller, jeff@simplecarnival.com  
<http://www.sundriftproductions.com>*

**Dwight Harvey** also wrote a long review that I reproduce in following pages. This was published in the June 2016 Photomac Society Stereo Bulletin.

Overall, I think (and I am not alone on this) that the meeting went very well and we should continue the 3D Weekends as we have done for the past 12 years.

*George Themelis*

# 3D Weekend Review

## By Dwight Harvey

The 2016 Ohio 3-D Weekend was a well-organized, all-day extravaganza of 3D, as we have come to expect. From the 3D still photo competition, to 3D conversions, to 3D video (animation and drone-captured), to virtual reality, stereoscopic 3D was in full display in all its glory.

After the traditional welcome from NSA founding member **John Waldsmith**, the Weekend kicked off with videos that featured 2D to 3D segues. "Spring Awakening" by **Damir Vrancic** featured 2D black and white images of spring flowers that slowly turned into colored 3D images. **Dennis Green** presented a video of Jim Long's conversions of famous 2D art masterpieces, but Dennis had combined these 3D conversions with their 2D originals, so that viewers could see, for example, Botticelli's "Birth of Venus" as a 2D painting slowly segue into its 3D rendering.

The more you know about perception, the better you can understand certain aspects of the visual arts. And that is especially true of the art of 3D. A program about optical illusions and stereoscopy was presented by **Jay Horowitz** (also the

projectionist for the 3-D Weekend) with that in mind. Jay's program presented some classic 2D illusions, converted to stereoscopic versions, to see if the illusion still worked, and if so, what it reveals about our perception of 3D. Other illusions were based on stereoscopic perception, itself. One particular illusion, based on the way that anaglyph 3D works, particularly had viewers stumped, and the explanation revealed some of the mysteries of anaglyphs. Jay downloaded most of his examples from the internet and you can see many of them at Donald Simanek's website: <https://www.lhup.edu/~dsimanek/3d/illus2.htm>

**Jeff Boller** of Pittsburgh was back with his latest work in 3-D animated music videos. Jeff writes the music, performs it (along with other musicians) and does the animation (by mechanical techniques as well as digital work. Jeff is also quite willing to share his technical knowledge of software and techniques.

Also willing to demonstrate and share their knowledge of hardware and software were virtual reality fans, John Ribarich and Potomac Society member **Mark**

**Frederikson**. John was on the schedule to talk about the current state of various virtual reality systems and had his Oculus Rift setup available to attendees to try out. While Mark was not on the schedule, he had his Microsoft HoloLens headset with him and let some of the attendees (including this writer) try it out as well. The Oculus Rift and the HoloLens both use a wrap-around headset. However, the Oculus headset uses opaque video screens, while the HoloLens has a transparent projection surface (similar to Google Glass). While using the HoloLens, one still sees the environment around him. For example, Mark had it set up so that several objects appeared to be sitting on a flat surface. The objects appeared to be on top of one of the tables in the conference room, and while manipulating those objects, one could still see the other attendees sitting around that table.

Attendees could use the Oculus and the HoloLens during the lunch break, or head back to the trade tables. **George Themelis** (Dr. T) was there with various photo equipment, large lenticular prints, books and other items for sale. **John Waldsmith** had his full array of stereocards and View-Master items for sale, and **Lee Pratt** had a table with several 3D Blu-Rays for sale at deep discount.

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*Left: The lobby of the Quaker Square Inn, venue of the Ohio 3D Weekend. Right Top: Mark Fredrickson (left) demonstrates the HoloLens to George Themelis. Right Bottom: George Themelis examines Andrea Shetley's new Panasonic GX8 camera, as Andrea explains its features. The GX8 can be used with the modified 3D lens for macro 3d or be used for cha-chas with a variety of lenses, or twinned for twin camera stereo. (Stereo pictures by Dwight Harvey)*



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After lunch, the programs began again with a showing of "One Night in Hell," the animated short film that puts in motion the diableries seen in **Brian May's** book.

Then it was off on a tour of "Scenic & Remote New Mexico Sites" by **Andrea Shetley** and **Lee Pratt**. Andrea and Lee are well-known to the 3D community and the Potomac Society in particular so it comes as no surprise that this show had some of the best 3D scenics and macro photography that you could ever hope to see. White Sands National Monument, Carlsbad Caverns National Park, Banderlier National Monument, and Petroglyph National Monument were just a few of the places covered by this great 3D tour.

Then it was time for a 3D workshop in Extreme Focal Lengths in Stereo by **George Themelis**. Dr. T presented the theory, equipment and techniques using very long and very short focal length lenses for stereo photography. The workshop included tips on using long telephoto and fisheye wide-angle lenses.

"Don Drone: 3D Aerial Photography" presented by **Jim Rudick** was also part workshop and part program on using a drone to capture 3D stills and videos, and a discussion on the unique view offered by drones. We were amazed to learn that Jim was capturing his video with a single camera. He advised that there is a program that will select the appropriate frames to pair together to form a stereo-pair video, as long as your single-camera video was shot moving laterally in one direction (essentially creating stereo pairs using the Pulfrich effect).. By the way, "Don" is the name Jim gave to his drone.

3-D history was the theme of "View-Master Memories," a program by **Wolfgang Sell**, who unfortunately was not in attendance himself. The program consisted of digitized cells from View-Master reels. In the early years, the company produced many reels of their staff and factory for in-house and publicity usage, and Wolfgang's program included images of inventor William Gruber, company president William Graves, diorama sculptor Joe Liptak and others. The program also included a walk down memory lane with

images from advertising reels of the 1950s and 60s. It was fun to see 3D images of Edsels and girdles and Huffy bicycles.

Finally, we got to see a preview of "Tulsa Oklahoma 3D Con 2016" with images shot by **Eddie** and **Carol Bowers**. This was the promotional video for the NSA 2016 3D Convention this July. Some of the images from this program can be seen on Eddie's pinterest page at [https://www.pinterest.com/carol\\_m\\_bowers/tulsa-ok/](https://www.pinterest.com/carol_m_bowers/tulsa-ok/)

The 3D wasn't over yet, however. Attendees could submit up to 3 images for a Competition, and naturally there were a lot of great images by this group. Then after a short break, there was a viewing of the Ohio club's "Image of the Year" competition, in which the winners of the various club competitions throughout the year compete with one another for "Image of the Year." Again naturally, this was a showcase of great 3D. All in all a jam-packed day of 3D for the stereophile!

*Dwight Harvey*



### **Results of the On-Site Competition**

#### **First Place (reproduced on the left):**

Lee Pratt - "Chinese Art in Utah"  
George Themelis - "Backlit Flower"

#### **Second Place:**

Rick Shomsky - "Hanging Over the Bowl"

#### **Third Place:**

Rob Ellis - "River Ballerina"  
George Themelis - "Painted Ladies"

#### **Honorable Mention:**

Andrea Shetley - "Teton Artist"  
George Themelis - "San Juan Hyper"