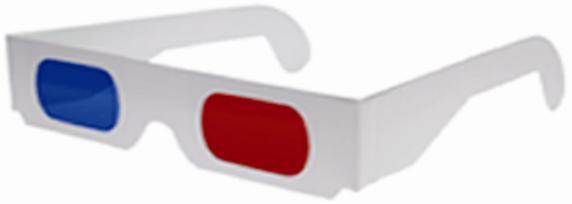
FREEVIEW



Volume 21 Number 3 **March 2010**

Published by the Atlanta Stereographic Association © 1990, 2010

The Atlanta Stereographic Association was formed in 1990 to promote all forms of stereoscopic photography by its members and to the general public.

Meetings are held the 2nd Friday of each month, and start at **7:30 p.m.**, at the **Congregational Church**, 2676 Clairmont Road, Atlanta Georgia.

President:
Ralph L. Reiley
1851 Cameo Court
Tucker GA, 30084
reileys@att.net
770-493-1375
Vice President:
Open
Treasurer/Membership:
Marilyn Morton
Projectionist:
Larry Moor
Competition Director:
Ken Kistner
Webmaster:
Steve & Suzanne Hughes
Newsletter Editor:
Ralph L. Reiley
reileys@att.net
770-493-1375

Membership Information:
Information can be obtained by calling Ralph Reiley @ 770-493-1375, reileys@att.net

Membership Dues for 2010:
$20.00 for an individual,
$30.00 for couples, and
$10.00 for non-local members.
Dues to be paid to Marilyn Morton at meetings, or mail her a check at 1139 St. Louis Place, Atlanta, Georgia, 30306

Website:
Our website is **Georgia3d.com**; it contains details about the ASA and general 3-D information

Refocus That Please – By Ralph Reiley

As you all will remember, we had several inches of snow the day of our February meeting, and the meeting was canceled for the 2nd time in a row. I apologize for any confusion this caused, and to those who drove in from out of town before word got out on the cancelation. We were to view and judge the PSA Traveling Show, which is on a tight schedule in its trip around the country. We hastily organized a make up meeting for February 19. We had 10 people attend this make up meeting in Duluth at the lake property. Larry, Steve and Marilyn were the judges. Suzanne was the scribe, and Ken was the caller. I manned the Bracket projector. I now have a new respect for Larry and Lee, as I have seen them project shows that ran so smoothly that one would think the projector was mechanized.

March Program – March 12, 2010:

The March meeting was has been changed due to circumstances beyond anyone's control. This month we will have a **club member slide and card competition**. Each member can submit up to 4 slides and 4 stereo cards for competition. The digital slide show that was planned for March is to be rescheduled for a later date.

Also note: The majority of our regulars for the pre-meeting supper club at the Fortune Cookie are out of town this month. If anyone wants to meet there, please e-mail me and let me know.

The meeting is the 2nd Friday of this month, March 12, at 7:30 p.m. at the **Congregational Church**, located at 2676 Clairmont Road, just south of I-85, see our website at **Georgia3D.org,** for a map to the church. If you have any questions call Ralph Reiley @ 770-493-1375, reileys@att.net. We meet at the Fortune Cookie in Loehmann's Plaza at Briarcliff and North Druid Hills at 5:30 p.m. for dinner and conversation before the meeting.

WANTED:

Candidate and/or Candidates for the office of **Vice President** of the **Atlanta Stereoscopic Association**. No previous experience necessary. Duties to include: Presiding at meetings when the president is absent, becoming the president in January 2012. The office of vice president has been vacant since 2008, and it is time to fill the position. **Volunteers will receive a special prize**.

Tentative Schedule for 2009-2010 ASA Club Season*:

*Note: This is a tentative schedule and subject to change.

March 12: Member slide and stereo card competition
April 9: View Master Night & View Master Viewer display by Larry Moor
May 14: **ISCC** Judging & Year End Club Awards

NSA ISU PSA Photographic Society of America ASA ATLANTA STEREOGRAPHIC ASSOCIATION

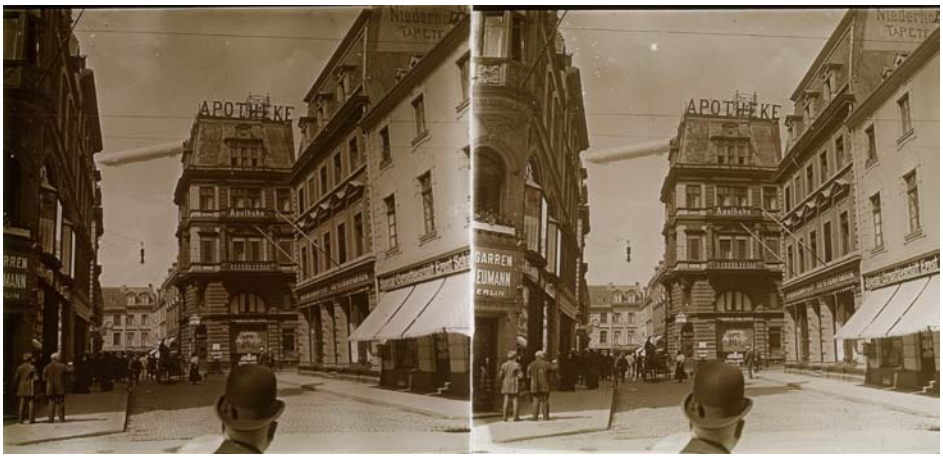
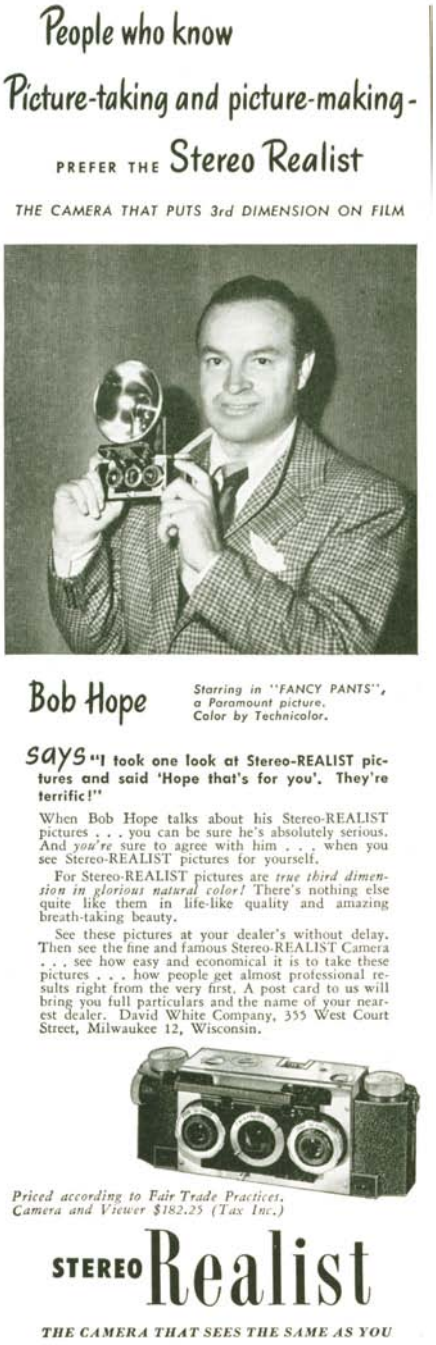


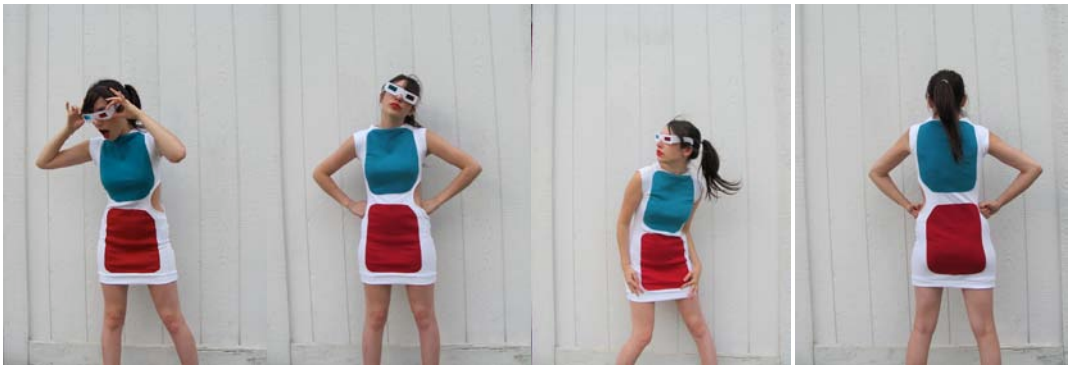
Photo of the Month:

A photo from 1909-1912 of an early Zeppelin over the city of Dusseldorf. The photo is from the collection of Didier Redoul. Note the apothecary shop at the end of the street. It is still in business at the same address, although the building was destroyed in 1944. The photo is a glass slide taken by an amateur photographer, and processed by Verascope Richard in Paris.

March Mystery Photo:

Who is the man with his family in the photo at the left? Be the first one to identify this man and receive a fabulous prize.





LATEST FASHION TREND:

See the very attractive fashion model, Ms. Anna Glyph, modeling the latest rave in fashion, the new 3-D Dress from the Paris fashion designer, the House of Poufftier.

NSA UPDATE:

The NSA convention is scheduled for July 14-19, 2010 in Huron Ohio. See NSA website for details

PSA UPDATE:

The PSA convention is scheduled for Oct. 3-9, 2010 in Charleston, SC. See PSA website for details.

Technical Page by Charles A. Piper

Installment #11

Reprinted by permission of the Stereo Club of Southern California

INTRODUCTION TO HYPERSTEREO

From the standpoint of stereo vision it is fair to say that a human being can fully comprehend with the unaided eye only those subjects from a few inches to a few tens of feet distant. Very small objects we cannot bring into focus, and very large objects exceed our "stereo infinity", which is only a few hundred feet. Thus our perception of shape is directly related to the distance between our eyes. Things that are very small or very large compared to our eye spacing we do not see to best advantage.

To overcome this problem for very small objects we use two viewpoints very close together. See Installment #3, March 1974 "Introduction to Slide Bar Photography". To best comprehend very large, distant, subject matter we need to expand the baseline from 3 inches to 3 feet, to perhaps 300 feet or more, depending on the subject matter. There are two ways to fully comprehend Grand Canyon. One is to study a 10 foot long scale model, and the other is to examine a hyperstereo picture of it.

STEREO BAR PICTURES

With this background let's discuss how hyperstereo can be accomplished and what subjects appear to best advantage. The first thing to bear in mind is that our comprehension grasp is multiplied by the same factor as our eye spacing. Thus two cameras at the ends of a 5-foot bar increase our comprehension grasp about 20 times. Subjects from 200 to 2000 feet are now comprehended the same as subjects from 10 to 100 feet by the unaided eye. An ideal subject for this spacing is a city photographed from the top of a tall building. Or you might try Delicate Arch (Utah), or Spider Rock (Ariz.).

The reason for using two cameras and a bar instead of taking two successive pictures with one camera is twofold. Maintaining the two cameras parallel greatly facilitates mounting, and for subjects in which anything is moving (clouds, traffic) two simultaneous pictures are required. Any rigid bar to which two identical cameras can be fixed with their axes parallel will work. The best is a section of thin-walled tubing. A dual cable release is recommended. If you fire one shutter with each hand, practice for a single click. If you hear two clicks, shoot it again; the two chips will not match if anything moved. Use 50 mm or 75 mm lenses, no long lenses. Don't have anything in the picture nearer than 50 times your lens spacing.

AIRPLANE STEREOS

How do we shoot Grand Canyon which is 10 miles in extent? First we must be 10 miles away from it in an airplane so we can get it in the viewfinder. What about lens spacing? Ten miles is 50,000 feet and 1/50th of this is 1000 feet. If the plane flies 400 miles an hour (600 feet a second), two pictures taken 1 to 2 seconds apart would do very nicely. Practice until you can wind and fire your camera in two seconds. Select a seat ahead of the wing (first class is best); shoot only from the shady side of the plane; don't include any part of the plane in the picture. And stay with your normal lens. Be sure to use a haze filter, otherwise you will get a bluish picture of low contrast. Aim your camera straight out from the plane, not fore or aft, and keep it fixed in relation to some object on the far horizon. Your first airplane stereos may not be Salon winners, but you will be astonished when you discover how much more depth information the hyperstereos contain than you saw with the unaided eye when you flew over the scene.

STEREOS OF THE MOON

Stereos of the moon! Ridiculous! It's 240,000 miles away! Yes it is possible. From sunset to sunrise you have moved a distance equal to the diameter of the earth, 8000 miles, or 1/30th of the distance to the moon. So to get a stereo shot of the moon, take one picture of the full moon rising just after sunset, and set your alarm clock for an hour or so before dawn, when the moon will be setting. Take your second picture with the moon on the other horizon. With lesser spacing you will still get a stereo picture, but it will not have quite the maximum stereo effect. Four to six hours between pictures is about the minimum for a stereo of the moon. You will need a medium power telescope and an adapter to hold your camera on it. Use high speed film and expose as long as you can without showing motion.