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Refocus That Please – By Ralph Reiley

The Atlanta Stereographic Association was formed in 1990 to promote, preserve, and collect all forms of stereo photography, both past and present.

Meetings are held the 2nd Friday of each month, and start at 7:30 p.m., at the 1st Christian Church of Decatur, 601, W. Ponce de Leon, Decatur Georgia.

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

Membership Dues for 2011:
\$30.00 for an individual,
\$30.00 for couples/family
\$30.00 for non-local
Free for Off World
(Proof Required)

Dues to be paid Julia Moor at meetings, or mail her a check at 3169 Bolero Way, Atlanta, Georgia, 30341

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

There were 18 people at the October meeting. It was a very good meeting, and a good time was had by all. Larry Moor presented a PSA slide show on Castle Neuschwanstein in Bavarian, and also a 1993 slide show of ASA member's photos. The twin carousel projectors were used. Despite the age of the shows, and the antiquated equipment, they were very good slide shows.

Club officers were also nominated, to be voted on at the December meetings. Those nominated were:

Ken Kistner for President
Ralph Reiley for Vice President & Freeview Editor
Steve Panayaito for Competition Director
Julia Moor for Treasurer

November Program – November 1, 2011

The November program will be a change of pace, on a new day, at a new time, and at a new location, see page 2 for details.

The meeting this month is Nov. 1, at 7:00 p.m. at the REI store on the I-85 access road, see page 2 for details. If you have any questions call Ralph Reiley @ 770-493-1375, reileys@att.net.

This month we will 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.

Note: Due to weather conditions, meetings have been canceled due to ice or snow. A new ASA policy is thus: If a scheduled meeting is canceled due to ice or snow, the following Friday will be the make up date.

2011-2012 ASA Schedule*

November 1, 2011	Cave Photos by Al Hess, at the Dogwood City Grotto
December 9, 2011	Christmas Party and Digital Projection at the Church in Decatur
January 13, 2012	View Master Night, Stereo Card Competition
February 10, 2012	PSA Traveling Show, Slide Competition
March 9, 2012	PSA Sequence Show, Digital Competition
April 13, 2012	Ken & Steve's 3-D Video Extravaganza
May 11, 2012	ISCC Judging, TBA

*Schedule subject to change



Notice of Special Meeting:

Our November meeting will take place on a different day, at a different location than normal. Al Hess will be presenting a program of his stereo cave photography at the Dogwood City Grotto, a club devoted to exploring caves. This will be a joint meeting of the ASA and the Dogwood City Grotto, and will be held at the REI store on November 1, 2011, starting at 7:00 p.m. This event will take the place of our regular meeting which would have been held on Nov. 11, 2011 in Decatur. REI is located on the access road off of I-85, between Clairmont and Druid Hills.

This meeting is to be an outreach to the caving club, as a number of them have 3-D cameras, but have not visited our club. After Al's program, we will have an opportunity for a show and tell of what we do. Bring a camera, bring a viewer, and other items of interest.

At left some holiday related photos to get us ready for Turkey Day, or the Turkey Festival as some friends of ours from Hong Kong called Thanksgiving.



ALIGNING SLIDES FOR PROJECTION

If a stereo picture truly presents to each eye of the viewer the same exact image it would have received in viewing the real scene, there is no distortion, and no cause for annoyance or fatigue. To the extent that this provision is violated, the viewer may experience eyestrain, fatigue, and in extreme cases even disorientation or nausea. Also alignment errors are distinctly less acceptable in projection than in hand viewing, for reasons which are not clearly understood. Alignment errors arising from camera design or adjustment, e.g., unequal image size or vertical alignment, should be corrected by a competent technician. Similarly, projector problems such as unequal lenses should be corrected. Most other errors are due to the materials or techniques used in mounting, and are under the control of the photographer. The most annoying error is probably rotation or twist, followed by vertical alignment, and horizontal or window errors in that order. The keystone distortion due to toe-in or to use of angle lenses or beam splitters creates a misalignment which is a combination of twist and vertical error.

Twist error results from a chip fitting loosely in the mask, or from disparity between chips which were shot individually, such as with a slide bar or hyperstereo set up. Vertical error can be of two kinds. Due to part tolerances the center line through the mask apertures may not be parallel to the top of the slide; the two mask apertures will therefore not be at the same height on the screen. This can be corrected by the projectionist or by shimming (See Installment #12). If the two pictures are not at the same height in the mask apertures, due to camera error, or to loose fitting chips, the top and bottom edges will be ambiguous and annoying. Finally, if the chips are located in the mask too close together, or too far apart, the "window" will be wrong.

To prepare a show in which adjustments of the projector will be minimized, we offer the following tips. All slides should be checked by projection before the show. Slides which have been made with a stereo camera, of subjects more than 10 feet away, and mounted in a NORMAL or DISTANT mask should project perfectly if care is exercised in mounting. In a Realist mask, make sure each chip is seated in its nest. If there is any vertical play, the chips should be raised as high as possible. Slide the mask temporarily into an EMDE glassless frame and put it in the projector. Check for twist, by covering first one lens, and then the other. If you see any twist it is best to correct it. The amount of twist most viewers can tolerate is only about 1/4" to 1/2" from side to side of a 48" picture. You can check for vertical mounting error by looking at the top and bottom edges, and you can check for vertical part tolerance error by reversing the mask side for side; the image of the mask aperture should not move up or down. Most viewers can accept only 1/4" to 1/2" of vertical mounting error, but will tolerate 1/2" to 3/4" of vertical part tolerance error. If there is excessive mounting error, correct it. If there is excessive tolerance (reversing) error, discard the mask. If you do not use a mounting gauge for horizontal (window) alignment, you may do it by projection. When the two frames coincide on the screen, the two images of the most remote object should not be more than 4" apart on a 4-foot screen.

When you are satisfied with the stereogram in its mask, secure the chips and put it in glass. The chips may be secured with a dot of Elmer's glue on two corners or by bending down the ears of an EMDE mask, or by embossing the metal of a Realist mask down into the sprocket holes. You can use tape, but it tends to ooze, and loosens in the heat of projection. Before closing off the slide either with a metal frame or with tape make sure that the top edge of the mask and of both glasses are flush. If using tape, tape that side first. Recheck in the projector for part tolerance (side to side) vertical error. If there appears to be an error, tapping the top edge of the slide against the table may correct it. If there is still more than about 1/2"-3/4" error it is best to remount. If you check all your slides before the show, even the old timers will be pleased, and there will be no squawks from the neophytes. Best of all, there will be no projector adjustment required but focus.