



Volume 22
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September 2011

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

Refocus That Please – By Ralph Reiley

There were 14 people at the May Meeting. Ken and Steve P. gave a great overview of the current state of 3-D video, along with some samples of things they have been working on. We look forward to the next 3-D video display by Ken & Steve. We judged the Detroit Club's slides for their Slide of the Year. Larry, Marilyn and Mike were the judges. We also bid farewell to our long time treasurer, Marilyn Morton, who has only retired as Treasurer, and welcomed Julia Moor in as the new club treasurer. See page 2 for details. In June we had the annual planning meeting at Marilyn Morton's home in the Virginia Highland neighborhood. I did not count the number of people, there, but a good time was had by all.

September Program – Sept. 9, 2011

The September program will be a PSA Hall of Fame Slide Show, and a Club Member Slide Competition. We will also have an extended show and tell, so we can all show off our recent acquisitions.

The meeting is the 2nd Friday of this month, Sept. 9, at 7:30 p.m. at the **1st Christian Church of Decatur**, located at **601 W. Ponce de Leon, Decatur, Ga. Road**, across the street from the Decatur Post Office, 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 for supper at 5:30. Since the move to Decatur, the Club is in search for a suitable place. This month we are trying out **Pyng Ho Restaurant**, located at 1357 Clairmont Road, right next to Athens Pizza. Go to: <http://www.pyngho.com> to check out the menu.

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*

September 9, 2011	Hall of Fame Slide Show, Slide Competition
October 14, 2011	Fuji W3 Accessories, Digital Competition
November 11, 2011	Mike Griffith, Ives Color Viewer, Stereo Card Competition
December 9, 2011	Christmas Party, location TBA
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

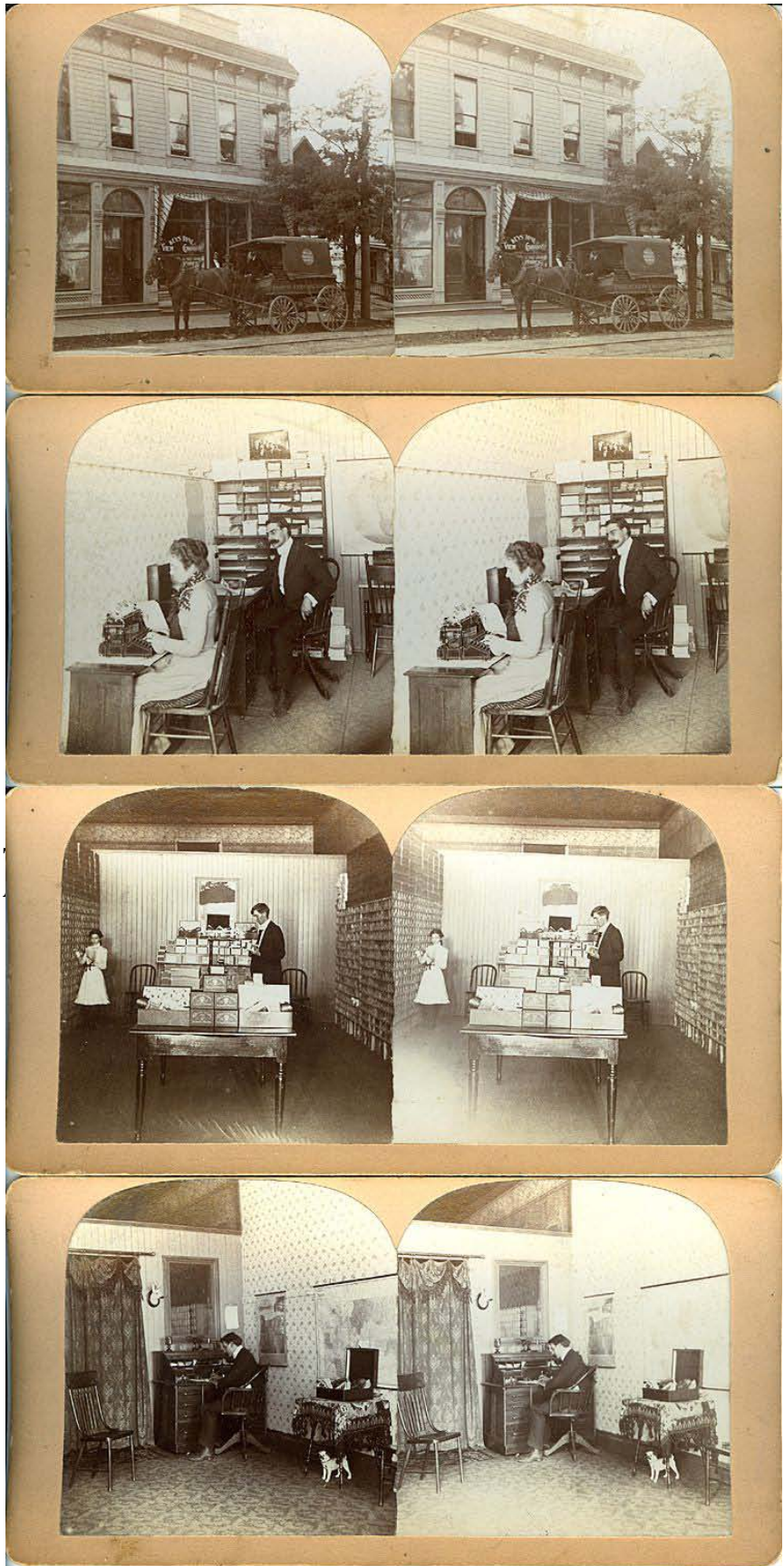


ASA Honors Treasurer:

Marilyn Morton has been the club treasurer since,....well, since forever. She has steadfastly held the post from 1990 to 2011. She has fiercely guarded the club treasury, much the same way a dragon guards its horde of treasure. After 21 years of devoted duty, she has retired as club treasurer; only, we refused to hear any nonsense about her retiring from the club. A gala send-off for her retirement was staged, complete with a special cake made in Marilyn's honor. In June, Marilyn hosted the annual planning party at her gracious home in the Virginia Highlands area. Julia Moor has taken on the duty as club treasurer, and promises to keep an iron grip on the club checkbook, just like her predecessor. See photo below, of Marilyn and her cake.



Some stereo views of the early days of the Keystone View Company



Some views of the inner workings of the Keystone View Co., circa 1880's, when it was still a small operation.



Technical Page by Charles A. Piper

Installment #23

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THE TECHNICAL PAGE

CHARLES PIPER, EDITOR

INSTALLMENT #23

ANSWERS TO LAST MONTH'S QUIZ

- | | | | | |
|------|------|-------|-------|-------|
| 1) c | 5) b | 9) c | 13) a | 17) c |
| 2) c | 6) a | 10) a | 14) c | 18) a |
| 3) a | 7) b | 11) b | 15) a | 19) b |
| 4) b | 8) a | 12) c | 16) b | 20) b |

PROJECTOR ALIGNMENT, OUT OF FLAT SLIDES

This note is an attempt to clear up the mysteries of the often argued subject of how to get all-over sharpness in projection. Projection lenses are designed to give a flat image of a flat transparency. Any deviation from flatness in the transparency will give rise to a deviation from flatness in the image. Moreover if the projector magnification is M, the curvature of the image is M times worse than the curvature of the transparency. Thus in Figure 1 the 1% curvature of the slide results in a 75% curvature of the image.

COCKED SLIDE CARRIER

What about a flat transparency which is not square with the optic axis? The situation is shown in Figure 2. The tilt of the image is multiplied by the magnification. A slide tipped 1% of its height will give an image tipped by 75% of its height.

DEPTH OF FIELD, EFFECT OF TIPPING THE SCREEN

What saves the day in both of these cases is the depth of field. The depth of field of a projected image is analogous the depth of field of a camera having the same dimensions as the projector, so the above situations would still give reasonable sharpness for viewing. However, let us suppose a given projector won't bring the top and bottom of a slide into focus at the same time. Can we correct it by tipping the screen? The answer is no; tipping the screen 10° or 15° will have no effect on focus because the movement is less than the depth of field. We must correct the slide carrier.

