FREEVIEW

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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 **1st Christian Church of Decatur**, 601, W. Ponce de Leon, Decatur Georgia.

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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 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

There were 14 people at the Christmas Party, including James Carroll who came for the 1st time. The night was not as cold as last year, which was good. As usual there was a lavish spread of food, and we were entertained by the various and amazing digital programs supplied by Steve and Suzanne. I would go on and on about the digital programs, but it is becoming routine for Steve and Suzanne to bring the best in digital 3-D that is out there, so it seems somewhat redundant to mention it.

For a more mundane, but important issue: We are moving the location of the meetings for the rest of the 2010-2011 club year. See detailed story on page 2. See page 4 for a map and directions to the new home of the ASA.

January Program – Jan. 14, 2011:

We are ringing in the New Year with a 2-D (flat) program. **Chuck Rogers**, who refuses to let me nickname him **Buck**, will be presenting some of his slides taken while he was working at **Cape Canaveral** before the formation of **NASA**, and after the formation of NASA. It is sure to be a unique show, even if it is flat. Chuck is one of the few in our club who actually earns a living with his camera.

In Keeping with new things for 2011, we are trying out a new restaurant this month, the Golden Buddha, see below for address.

The meeting is the 2nd Friday of this month, Jan. 14, 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 at the **Golden Buddha, 1905 Clairmont Road, Decatur, Ga 30033** at 5:30 p.m. for dinner and conversation before the meeting.

Tentative Schedule for 2010-2011 ASA Club Season*:

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

Jan. 14, 2011: Chuck Rogers Cape Canaveral & NASA retrospective
Feb. 11, 2011: PSA Traveling Show & Slide competition
March 11, 2011: Digital Projection Workshop & Zeppelin digital slide show
April 8, 2011: View Master Extravaganza & Stereo Card Competition
May 13, 2011: Year End Awards & TBA

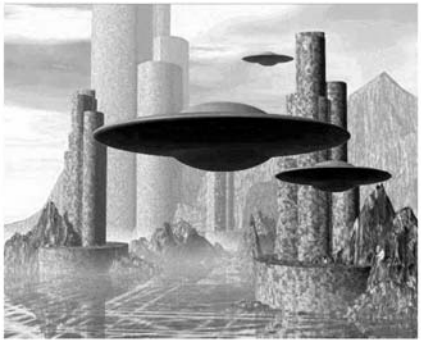
Mystery Photo for January

Hint, a photo of this man was used in the October Freeview, and his name is listed in the December Freeview.

ASA Moves to a New Home:

Since I have been coming to the photo club, we have always met at the **Congregationalist Church**, on Clairmont, just off of I-85. It is a beautifully designed building, on a heavily wooded site. Starting in September of 2010, the church seems to have been having some issues with us. They doubled our rent for the old room, and offered us a room downstairs for the old rent. This room was big enough for us, but getting all our equipment down there was going to be a problem. I got a phone call from them on Friday, Dec. 10, 2010, informing me that all outside groups were going to be scheduled for one day a week, and it was not going to be a Friday. The other, and much larger, group that meets there on Fridays was going to be unaffected by this change. The logic of that idea still escapes me, as they are going to be open on Fridays anyway. But as **Kurt Vonnegut** opines, "***So it goes***." The day that all the outside groups would meet was going to be discussed, and we were to be informed when that day would be. For a variety of reasons, the **Atlanta Stereoscopic Association** chose to move to Decatur. Starting in January, 2011, the **First Christian Church of Decatur** will be our new home, see **page 4 for map and directions**. We have been happily welcomed there, and the room will be very large, allowing for the club to grow with new members. For now, we will be paying our customary, $25.00 per meeting rent for the room. When the club grows, we will start paying more, as the usual rate for the room is $65.00. Due to some personal connections that I have shamelessly used, we are getting a deal on the rent.

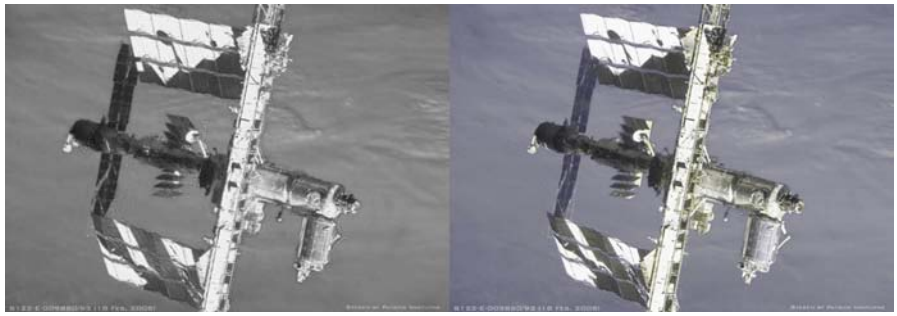
As we are having a NASA themed program for January, here are a few photos, stolen from the web to fill up some space on the page:

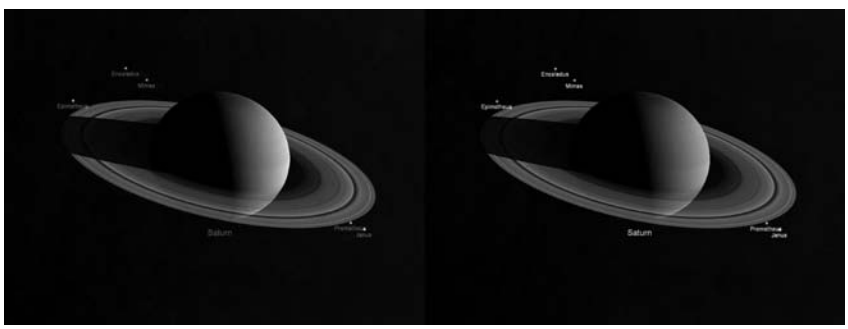


It's that time of year again, Time to Pay Your Dues:

As we expected our rent to double this year, we raised dues to $30.00.

Now that this is no longer the case with our move, we are still raising the dues, to build up some cash in our treasury. I got my eye on a new flat screen TV at Best Buy. To encourage you all to pay your dues, see photo below. **If the dues are not paid, the cat will get it**. The dues will be: **$30.00 for one person, $30.00 for a couple or family, $30.00 for out-of-towners**, Free if you are from off planet. **Proof** must be provided, as just acting like you are from another planet will not work. This is to promote the club as the first interplanetary 3-D club.





Technical Page by Charles A. Piper

Installment #18

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KNOW YOUR STEREO CAMERA - GENERAL Rev. 1

Perhaps you have taken pictures for years with your 35mm RF or SLR camera and never felt any need to know how the camera worked except for loading and unloading. In stereo it will help quite a bit to know a little more about your camera, particularly if you intend to do your own mounting. The format and winding progression adopted by nearly all modern 35mm stereo cameras derives directly from Seton Rochwite's Stereo Realist, which in turn derives from the Homeos, first produced by Jules Richard in Paris in 1913 (thus antedating Oskar Barnack's Leica). Motion pictures, then as now, were made on film 35mm wide, having a picture width of 24mm, and sprocket perforations every 4.75mm. The film ran vertically, and one frame was 4 perforations, resulting in a picture 24mm wide and 19mm high. Colardeau, the Chief Engineer at Richard, designed a stereo camera to take two such frames simultaneously on a horizontally running film. Since one wishes to space the lenses about the same distance apart as the human eyes, Colardeau selected a spacing of 3 frames or 57mm. This leaves two blank frames between the two stereo mates. As we shall see, this permits the entire film to be used, and wastes only one frame at each end. To see this, let us number all the frames on the film, and let's designate the two pictures of each pair thus: A Left, A Right, etc. The Colardeau progression lays out the exposures as shown below.

1	2	3	4	5	6	7	8	9	10	11	12	13	14
AL	--	BL	AR	CL	BR	DL	CR	EL	DR	FL	ER	--	FR

Each transport moves the film forward two frames. Frame No. 2 is wasted, and one frame is wasted at the end. The Stereo Realist, and all other modern 35mm stereo cameras, use exactly the same idea, but one frame is 5 perforations instead of 4. This results in a stereo spacing of 15 perforations or 71.25mm, and makes the format nearly square. The spacing of human eyes averages 65mm, Colordeau's camera having a little less, and Rochwite's camera a little more than this value.

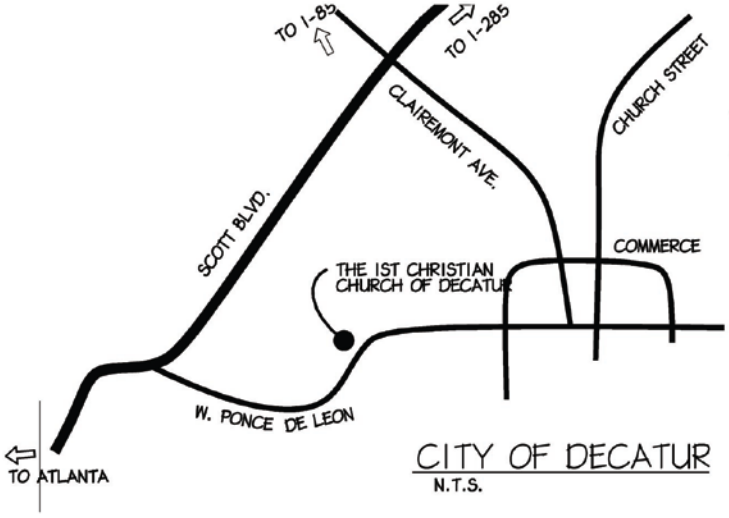
The only other 35mm stereo format in common use today is found in the Richard Verascope F40, the Belplasca, and the old Iloca. These cameras make a decidedly horizontal picture 7 perforations wide, and use the following layout of frames, and a transport operating 7 holes and 21 holes alternately. The frame spacing is 66.5mm. See #77.

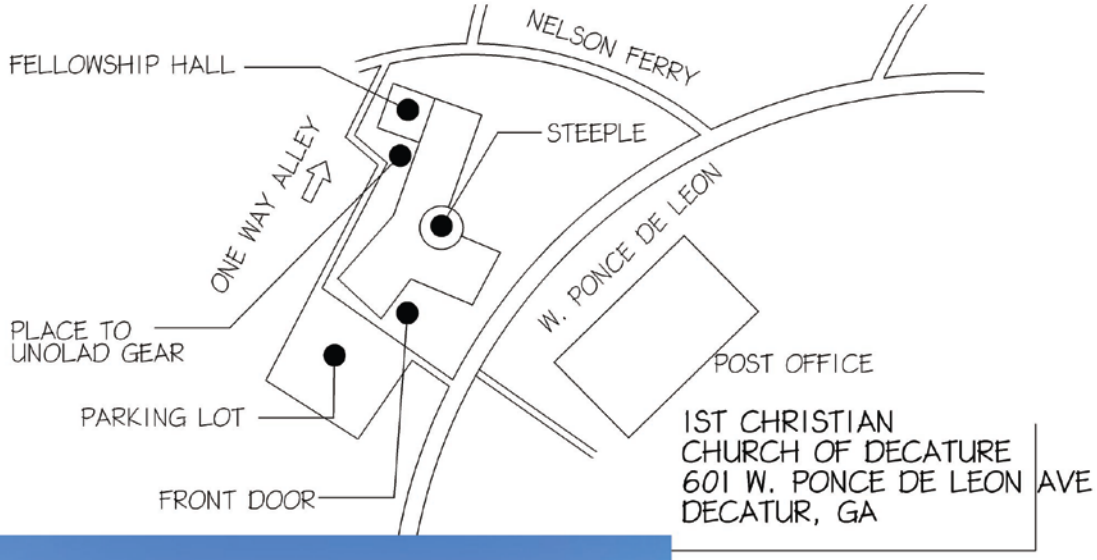
1	2	3	4	5	6	7	8	9	10	11	12
AL	BL	AR	BR	CL	DL	CR	DR	EL	FL	ER	FR

CREATING THE STEREO WINDOW

With the camera frames located on 71.25mm centers, and looking straight ahead, the picture areas covered will not be quite the same. The right frame will see 71.25mm (3 inches) of subject matter at the right which the left frame does not see, and vice versa. This so called "ghosting" is psychologically disturbing, and one remedy is to trim off the ghost areas. A better remedy is to move the lenses a little closer together. Therefore the lens spacing is reduced to 70mm, whereupon any subject matter more than 7 feet distant no longer exhibits ghosting. Note that we do not tip the optic axis, which would distort the picture shape, but we merely slide the lenses together to eliminate the ghost. The boundaries of the two images now coincide in space like a large window frame located 7 feet from the camera. Thus we have created a "conceptual window" which we are looking through, and anything more than 7 feet away is beyond the window. If we take a picture of something closer than 7 feet, the ghost bands reappear, and we must fall back on trimming off the offending areas. This we do by using a mask which cuts off the outer edges. In effect we are moving the conceptual window closer, so it is nearer than the subject matter. The stereo camera is thus most satisfactory for subjects 7 feet and beyond, i.e., 30 times the lens spacing. For nearer subjects the pictures can be made acceptable by trimming, but a better solution is to reduce the lens spacing. Many classic stereo cameras provided adjustable lens spacing for this reason.

MAP TO THE NEW HOME FOR THE ATLANTA STEREOSCOPIC ASSOCIATION





A PHOTO OF OUR NEW HOME