



# The CONNECTOR

Newsletter of the Aeroguidance Society, Inc.  
AMA Chartered Club No. 441

[www.agsny.org](http://www.agsny.org)

Volume #61 ..... Issue # 8 August 2015

Recipient of the AMA Presidents Award for 50  
years of Service to AMA and Aeromodeling

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**THE NEXT AGS MEETING WILL BE ON  
MONDAY Sept 14th 6:30 P.M at Delta Engineering on Hooper Rd.**

Changes to time or location will be noted in this newsletter

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*The Prez Sez*

Submitted by Rick Allabaugh

As I write this, we just completed our first day of the 60th Annual Aerobatics Contest. Fourteen (14) pilots were registered and the weather was perfect. Charlie Hatton and Mark Lecher provided breakfast, lunch, and dinner. A big thank you goes out to Erin Hatton for baking cupcakes. They were like potato chips, you couldn't eat just one! Many people had 2, 3, 4, etc...

**Important Reminder** – The next club meeting will be at the offices of Delta Engineers, Architects, and Land Surveyors.

**Open Board Position** – This year the only position we need to fill on the Board is the President spot. The rest of the Board has elected to stay on in their current position. My thanks to Bob Jennings, Ray Phillips, Tom Kopl, Frank Gioffredo, and Charlie Brown for a successful year. In hindsight, I should have tried to keep the business part of the meeting down to 30 minutes and allow more time for show and tell, program, etc.

In closing, even though we've made a lot of changes over my past two years as President, some quite controversial, we continued to grow as a club. While we may lose a person, we tended to add 2-3 people. So even though the summer is coming to a close, it's time to begin the process of thinking about that winter project. Hope to see you all at the next meeting!

## **Cancellation of AGS Meetings:**

In the event of poor weather, listen to the radio or television for local closings and cancellations. If the Library is closed the meeting is cancelled and a notice will be sent via the AGS mailing list.

## **Coming Events**

### **AGS Meeting**

Sept 14th 6:30 PM  
Delta Engineering

### **Spirit of Selinsgrove**

#### **VRCS Fly In**

Sept 5<sup>th</sup>-6<sup>th</sup>  
AGS Field

### **Pylon Race # 9**

Sept 6 4:00 PM  
AGS Field

### **Pylon Race # 10**

Sept 13th 4:00 PM  
AGS Field

The Aeroguidance  
Society, Inc.  
P.O. Box 39  
Vestal, NY 13850-0039

**AGS Officers:**

**President:** Rick Allabaugh (A-C)

**Vice President:** Charlie Brown (D-H)

**Secretary:** Ray Phillips (I-L)

**Treasurer:** Bob Jennings  
(M-R)

**Board Members at Large:**

**Frank Gioffredo (S-Z)**

**Tom Kopl**

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**Committee Chairmen:**

**Membership:** Charlie Brown

**Program:** Tom Kopl

**Activities:** Open

**Field:** Todd Kopl

**Historian:** Don Green

**Public Relations:** Open

**Sound:** Scott Wallace

**Safety:** Frank Gioffredo

**Editorial – submitted by Scott Wallace**

I can't believe we're heading into Labor Day already; the summer seems to have flown by. Unfortunately I've only done a fraction of the flying I would have liked to. Some folks complain about the high cost of glow fuel, well when you burn less than a gallon a year it isn't so bad. Years ago I would easily burn through a case or two of fuel a year (4-8 gallons) but those days have gone for now with a busy job and active teenagers.

Don't forget to come out to the field and watch the Vintage RC models in action on Saturday Sept 5<sup>th</sup>. Sunday Sep 6<sup>th</sup> there will be some vintage model flying but a reminder that the field is opened again for anyone to fly, and we'll have a pylon race that same afternoon.

I'm at least getting an early start on building season and have ambitious plans for next year. I have framed up an old Midwest Esquire, this is a .15 powered vintage RC model that I will build for just rudder and throttle control. I've never flown rudder only control so this should be quite a challenge. I've also started framing a Sig "Astro Hog" biplane, I had one years ago and regretted selling it as they fly great! As these two will be fabric covered and then painted I plan to fully build and cover them and then paint them and complete them in the spring.

Also planning a 30cc aerobatic model (ARF), I am leaning towards an Extra 260 with either an OS33 or DLE 30 gasoline engine. Finally I also want to do a 1.20 sized warbird; hoping Hangar 9 releases the rumored FW-190 in February. If not the VQ Dauntless is still on my wish list.

Feel free to send me your winter build projects and I'll publish them, then at Project Night we'll see how many aircraft were actually completed!

I spent an enjoyable few hours watching the giant scale fly-in at the Binghamton Aero's field earlier this month. It was an absolutely perfect day for RC flying and they had a huge turnout for this popular giant scale event. I wonder if a sport-scale type fly-in event for *non-giant scale* models would work for the AGS...

**CAUTION: 72 MHz Channel #42 Must Not Be Used at the AGS Field**

The CONNECTOR is prepared on a Personal Computer. Submissions are happily accepted via email to: wallaceaero1@aol.com

## AGS General Membership Meeting Minutes

Aeroguidance Society Meeting # 813

Date: Aug 3, 2015

Place: AGS Field

### **THE NEXT AGS MEETING WILL BE AT DELTA ENGINEERING, 860 Hooper Rd in Endwell.**

This meeting was a family dish to pass picnic. Approximately 35 people attended under very menacing clouds and an even worse weather forecast.. But, just as the chicken from Phil's Chicken House arrived, the clouds departed for a very pleasant evening of good food and time to catch up with some AGS friends and families. We did miss those who were not able to attend due to various commitments. Hopefully, they can join us next year.

The only AGS business that was conducted was the treasurer sending a copy of the 2015-2016 AGS budget for member review.

**Respectfully submitted - Ray Phillips AGS Secretary**

### **The perfect gift for all occasions**

Available now is the new AGS hat. This hat is a perfect gift for just about anyone. Birthdays, holidays, special occasions or just to say thank you, the new AGS hat is your answer. Or just buy one for yourself to keep the sun off your head.

Guys, do you have an anniversary coming up? The new AGS hat will be a gift she will remember forever.

Contact Ray Phillips for the details.

[bphillips2@stny.rr.com](mailto:bphillips2@stny.rr.com)

### **Field News - submitted by Todd Kopl**

Remaining field mowing list, note changes in **red**:

AGS 2015 Mowing List		
Weekend	Primary	Assistant
Sep 5	Charlie Brown	Ray Phillips
Sep 12	Jim Quinn	Nick Orwan
Sep 19	<b>Bill Green</b>	Scott Sinnett
Sep 26	Harold Peeling	Stan Driggs
Oct 3	Rick Allabaugh	Neil Hunt
Oct 10	Bill Green	John Carril

Oct 17	Charlie Hatton	Jeff Hatton
Oct 24	Frank Gioffredo	Derek Gioffredo

### **AGS Pylon Racing 2015 - submitted by Frank Gioffredo**

We have had two more successful evenings of racing since the last issue of the newsletter. Todd seems to own the course but he needs to be on his toes as Brent and Jeff are closing in, we are still waiting for Rick to join us as work seems to keep him out of the running. We have had a couple of mishaps slowing us down a little, Jeff and I have learned that two things of equal mass cannot occupy the same space at the same time, I am light one set of landing gear and Jeff is missing a wing tip. Todd had a bit of a hard landing on our second night and had to reinstall a landing gear mounting plate, but was right back at it for the next heat.

As always the helpers are key to the fun and we the racers appreciate you guys coming and doing those jobs so we can play. Thanks Guys

There are two more races to go Sunday the 6th of September and Sunday the 13th. The Racers will host a picnic for the helpers either after racing on the 13th or we will decide another date by then that works for everybody.

That's it for now hope to see you guys for the next race.

The Standings at this point are:

AGS 2015 Pylon Racing Season Standings		
Place	Pilot	Points
1	Todd Kopl	24
2	Brent Bryson	13
3	Frank Gioffredo	11
3	Jeff Hatton	11
5	Rick Allabaugh	0

### **The 60<sup>th</sup> running of the AGS' Aerobatics Contest**

We had 14 competitors across 5 classes with beautiful weather on Saturday for a change, in recent years we've endured gale force winds, rain, cold or all three! Thank you to all the helpers from the club, we had more than enough help. Special thanks to Charlie Hatton and Mark Letcher for a great job manning the food concession again. We'll have a full report of the 60th running of the AGS Aerobatics column in next month's Connector.

## **VRCS Spirit of Selinsgrove Reunion - submitted by Scott Wallace**

One last reminder that the Aeroguidance Society will once again be hosting the Spirit of Selinsgrove Vintage Radio Control Society (VRCS) reunion over Labor Day weekend. Dates are Sept 5<sup>th</sup> and 6<sup>th</sup>. Saturday will be VRCS flying all day; I'll bet that several of you have a model that qualifies to be flown at VRCS events and don't even realize it, for example any version of a Kaos (even the recent Great Planes 40 size ARF) or any of the venerable Great Planes Sportsters (either from a kit or an ARF) are welcome. Though technically the VRCS meet continues on Sunday, the AGS field is once again open to all flying and most of the VRCS flying wraps up by noon.

A neat, professionally done video taken at the AGS field from last year's 25<sup>th</sup> Anniversary reunion is available at this link:

<http://www.vintagercsociety.org/cms3/index.php/2-uncategorised/198-2014-vrcs-full-video>

A big "Thank You" in advance to Mark Letcher for stepping up to take care of lunch at the field for us on Saturday. We could always use another helper or two for an hour or so – if you're interested please contact myself, Mark, or Ray Philips.

I invite all AGS members to at least come out on Saturday for a while, you'll see a lot of interesting models being flown the likes of which we don't see any more on a regular basis.

## **"WingInIt" with Warbird - submitted by Charlie Brown**

Hello AGS pilots and welcome back to my world of warbirds. I am writing this month's submission with only 6 days left in August, so where did the time fly off to again? Must be a sign that I am still getting on in the years but I can still recall how my mother would tell me that as I got older the time would go by faster, didn't buy into that story 50 plus years ago but I do now.

Before I get started, just a quick thanks to the members that came to the field on Sunday the 16<sup>th</sup> in support of Stan Driggs' request for an informal "model aviation day" for Joey's boy scout troop weekend camping adventure at the field.

So looking back on last month's writing I said that I would touch base on the FMS line of ARF's for this month. I really like the FMS product line because the quality of the finished EPO surface texture is probably only out done by one other manufacturer which is in my humble opinion would be Freewing. FMS covers the full

range of airframes from trainers and sport class to entry level competition. They cover wingspans ranging from 600mm to 2320mm in both prop and EDF (electric ducted fan – alias Jets). Lipo requirements for that diversified field of airframes ranges from 1300mAh 3S up 5000mAh 6S power and ESC's from 25A to 100A. When buying an equivalent sized FMS airframe compared with the Dynam's that I spoke of last month you can expect to pay almost double. This is because of the fit/finish/features and quality of components used on the FMS product line.

As an example of what I am referring to would be as on the Dynam warbirds, none of them come with flaps with a couple few exceptions where they have been molded in the wing and you the modeler cuts them loose and installs the servo's and hardware for them if you prefer that feature. On the other side of the street, all of the FMS warbirds have fully functional flaps with all hardware and electronics installed for them.

If you ever thought that a warbird might tickle your fancy then I got to say that from a financial investment into the RC sport it probably ranks about the mid-range point, with the airframe cost falling somewhere in between that of a trainer and that of a competition level airframe. Once the initial investment is made you will still need more upkeep in equipment repair costs than with the others birds because of the things like the abuse that "hotter" landing speeds do to stuff like retracts which will constantly be in some form of adjustment or repair or replacement. For me to be able to fly a form of aviation history is so much worth the additional cost and time of maintaining the memorabilia.

Some of you may be wondering what kind of foam is being used to make these ARF foamies and I was also asked if maybe I could explain about the different types of foam used so here is a brief explanation as I know it without being a rocket scientist on the subject. The industry started to produce models out of foam when it realized that there was a viable market for this type of model construction after the home grown variety of airframes became rather prolific from modelers experimenting with a material called EPS (expanded polystyrene) which is also known as "beer cooler foam" with a primary variant of it predominantly found in the building supply market as Fan Fold or Dow Blucore and the pink Corning insulation foam board. The major drawback to this type of foam is that it dents easily and breaks on impact. This is where EPP (expanded polypropylene) enters the manufacturing scene because the beads of foam which is injected into molds are generally bigger, spongier and more flexible. The drawback to this material was the size and weight that

could be made with this material was limited. A common example of retail models made of EPP would be profile 3D airframes. The primary foam used now a days by most manufactures and which has allowed the industry to grown in leaps and bounds with regards to larger and stronger airframes is known as EPO (expanded polyolefin) which is similar to EPP but not as flexible. It is stiff, durable and handles impact very well thus making it the primary choice for most RC airframes to be made of when using foam because it also molds very easily especially when details like panel lines are cast in the molds.

I was also going to talk about adhesives used to assemble and repair foam models but that can wait for just a short bit because I have been asked to have a program on that subject at the next monthly membership meeting so see you then and I hopefully will give some insight into playing with glues and foam!

Best Regards - Warbird

## **AGS CLUB ACTIVITIES FOR 2015**

<b>ACTIVITY</b>	<b>DATE</b>	<b>CHAIRMAN</b>
VRCS Reunion	September 5 & 6	Bob Noll (CD)
Pylon Race 9	September 6, 4:00 pm	Frank Gioffredo
<b>Float Fly</b>	<b>TBD</b>	<b>TBD</b>
Pylon Race 10	September 13, 4:00 pm	Frank Gioffredo
Tri Cities Airport Aviation Day - AGS Display	Oct 3                      Time TBD (Rain date Oct 4)	TBD
Field Winterization	TBD	TBD

### **Other RC events of interest**

<b>Event / Location</b>	<b>Date</b>	<b>Contact</b>
Old Rhinebeck Aerodrome WWI & Golden Age Fly-In Rhinebeck, NY	Sept 12-13	TBD
NEAT Fair Downsville, NY	Sept 18-20	<a href="http://www.neatfair.org">www.neatfair.org</a>

**Editor's Note: If you know of an event in the area that would be of interest to the general membership please forward that information to me at [wallaceaero1@aol.com](mailto:wallaceaero1@aol.com) for inclusion in the next edition of The Connector.**

# SEPTEMBER PROGRAM



## *Repairing Foam Aircraft*



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