



The CONNECTOR

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

www.agsny.org

Volume #64 Issue # 2 February 2018

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

THE NEXT AGS MEETING WILL BE ON Monday Mar 5th 6:45 P.M at the Endicott Library

Changes to time or location will be noted in this newsletter

The Prez Sez - Submitted by Rick Allabaugh

Next Club Meeting

Monday, March 5th at the George F. Johnson Library in Endicott.

If you haven't attended a meeting in a while, now's the time to start coming! Over the past couple of months, Bob Noll has given talks at our Show and Tell about the "Gallopig Ghost" and escapements. There has been so much interest in the topics that Bob has agreed to hold a few monthly Programs to highlight the history of RC and how things used to be. It's really interesting to hear from both Bob and several others in the club who have first-hand experience with some of the "older" systems.

March Winter Fun-Fly

Our March Winter Fun-Fly has been scheduled for March 4th from 11:00 am to 2:30 pm. Please put this date in on your calendar. The event is being held at the BC United Soccer Fields off of Route 26. Let's hope we get some decent weather this time as we haven't had the best of luck this year. Refreshments will be available so come and join us for a great day of flying. This will be our last planned winter flying event at the BC United Soccer Fields for the season. The event is being hosted by both Bill Green and Neil Hunt. Hope to see you and members from your respective clubs there!

Club Assets

If you currently have any club property at your house (flight school trainers, transmitters, misc. equipment), please notify both Bob Noll and I via e-mail. We are in the process of updating the asset list and want to make sure we account for items.

Central Penn Aeromodelers Association 38th Annual Radio Control Flea Market

The flea market in Lebanon, PA is being held on Saturday, March 10th. The event is held at the Lebanon Fairgrounds located at 80 Rocherty Road, Lebanon, PA 17042. From Chenango Bride, it is roughly 3 hours of travel. General Admission (\$8.00 donation) is ta 8:30 am and runs until 3:00 pm.

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 Spring Fly

Sun Mar 4

Time 11:00

BC United Soccer Fields

AGS March Meeting

Mon Mar 5

6:45 PM Endicott Library

For AGS field current weather info contact:

[BGM Automated](#)

[Terminal Information
System \(ATIS\)](#)

[607- 729-8335](tel:607-729-8335)

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

AGS Officers:

President: Rick Allabaugh (A-C)

Vice President: Bill Green (D-H)

Secretary: Rick Allabaugh (Acting
Secretary) (I-L)

Treasurer: Brent Bryson (M-R)

Board Members at Large:

Bob Jennings (S-Z)

Jim Monaco

Past President: Frank Gioffredo

Committee Chairmen:

Membership: Bill Green

Program: Tom Kopl

Activities: Open

Field: Todd Kopl

Historian: Open

Public Relations: Open

Sound: Scott Wallace

Safety: Open

Librarian: Brent Bryson

Webmaster: Don Shugard

Finally

Don't forget about the upcoming Project Night! Time to show off what you've been working on over the winter.

As always, I hope to see ya at the next meeting!

Editorial – submitted by Scott Wallace

This is always the time of year when I just have had enough of cold, gray skies and cannot wait for winter to be over. With the cancellation of our Winter Fun Fly I'm really hoping we get a decent day for our Spring Fling.

Even though I promised myself I would keep it simple this winter, I still find myself with four projects underway in various stages of completion. Has been more challenging obtaining needed supplies with all the backorder issues at Tower Hobbies but I've been managing. Looking forward to the RC swap meet at Lebanon, PA coming up on Mar 10, first time going and not sure what to expect or how much \$\$\$ to bring.

Another one bites the dust. The family business that brings us Solarfilm and Solartex will have closed shop by the time you're reading this. This was a UK based company; most modelers in the USA use Monokote or Ultracote instead so the loss of Solarfilm won't have much impact over here. More importantly though is the loss of Solartex which will certainly affect model builders here in the USA. The Solartex products, imported and sold by Balsa USA, are iron on fabrics and very popular with scale modelers. Personally, I've always preferred Sig Koverall but that product is a lot more work to apply, seal and paint were as Solartex is a very forgiving iron on fabric that is heat shrunk and can be used without any clear coat though most folks did apply a coat of clear to protect the fabric from dirt and oil, etc.

Attend any giant scale rally and you see many, many Balsa USA WW1 models, and 95% of them are finished in Solartex.

Factor in all the RC Piper Cubs and the like built over the years I can see that Solartex will be missed by a great many scale builders.

**NOTE: 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: s.j.wallace13@gmail.com

AGS General Membership Meeting Minutes

Aeroguidance Society Meeting #842

Date: February 5, 2018

Place: George F. Johnson Library, Endicott, NY

President Rick Allabaugh called the meeting to order at 6:45 pm.

Guests: Doug Breneman

The minutes of the last general meeting were approved as published in The Connector.

Treasurer Brent Bryson gave a detailed financial report to those in attendance. If any member has any questions regarding our account, they can contact Brent Bryson for additional information.

President Allabaugh gave a summary of the January Board of Director Meeting. A couple of important items:

- Action items for Jan & Feb were reviewed
- Treasurers report and our AMA Charter was discussed
- Discussed potential AGS field/facility enhancements
- Potential logging of the AGS property has been tabled for now
- Club still needs a Secretary
- Discussed ways to improve meeting attendance
- Mid-Winter fly date is Feb 11, Spring Fly date is Mar 4
- Lastly, the AGS received a thank you note from Gib's family

Committee Reports:

The Mid-Winter Fun Fly will be hosted by Neil Hunt. The day is February 11th. Flying is scheduled from 11 AM to 2 PM. Some excellent Pasta Fagioli soup will be served courtesy of Neil's wife.

Old Business:

We briefly discussed the ongoing updates to our website.

We briefly discussed our Gold Leader and Charter renewals with AMA.

We discussed the club asset list is in process of being updated.

We discussed possible replacement of the X-Mark mower. Pricing of new equipment was discussed along with potentially taking the X-Mark to auction in April.

Jim Monaco indicates the Hilltop Challenge would be either the second or third weekend in June. Stay tuned for more details.

New Business:

Safety was discussed regarding a drone incident with a Frontier Airlines jet.

Ray Phillips detailed some of the issues Hobbico is facing in their Chapter 11 filing. AMA Expo East was discussed, Feb 23-25. A few lamented how much the show had declined since the WRAMs shows of old.

Show and Tell:

Jeff Hatton displayed his DJI Mavic pro drone which many of us have seen in action, and demonstrated his new DJI immersive FPV goggles.

Program:

Bob Noll gave a demonstration of 1950's vintage RC escapement systems. Bob demonstrated the operation of four different types of escapements and related how RC flying was done in those early days. The initial simple escapement controlled rudder only, later the compound escapement with rudder *and* up elevator control, finally "progressing" to the Bonner cascaded compound escapement which gave not only rudder but up and down elevator and throttle.

All of these escapements were rubber band driven. It was a very interested demonstration. Bob will continue the discussion next month covering early proportional RC systems.

The meeting was adjourned at 8:10 PM.

AGS Spring Fly – submitted by Bill Green

Our March winter/spring fly has been scheduled for March 4th 11am to 2:30 PM. Please put this date in on your calendar. Let's hope we get some decent weather this time as we haven't had the best of luck this year. Refreshments will be available so come and join us for a great day of flying. See you there, Bill

AGS Field Report Feb 2018 – submitted by Todd Kopl

Only 2 months to go until we 'open' the field back up! I'll be targeting end of April for opening as usual and will cover the details next month. The big news that I'm sure will be reported elsewhere in this issue is the BOD approved the purchase of a new replacement mower for the Exmark. As field chair I am 100% behind this decision and attended the last BOD meeting when the final decision was made. Also, as past treasurer and general member I appreciate the level of scrutiny applied to ensuring the club was in a financial position to do it. I think as most of us know, the Exmark has emerged as the preferred method of mowing since it was acquired and unfortunately near the mid-point of mowing season last year it began to develop significant issues with the drive system and power. I made countless trips up there to keep it going but it's just worn out. Regarding the replacement unit, there were a few of us that did a deep dive on what to purchase and arrived at the same commercial grade brand/model/dealer/value conclusion. The new unit also comes with a new string trimmer (throw in) which sweetened the deal and should make the trim work less tedious now.



Unfortunately my shop time over the past month has pretty much been non-existent due to getting the flu and snowmobiling while we had snow across the state. However, I do plan to come prepared for project night!

I know Scott Wallace elaborated on it in the last Connector but as a model builder and glow engine die-hard it's turning into a sad state of affairs with the recent Hobbico bankruptcy filing. The trickle down is obvious when looking at Tower Hobbies website these days...they were pretty much down to OS Engines only before the filing and now most of those are listed as out of stock.

I'm not anti-electric, that is for sure (although my electric inventory is the small foamy variety). Having been in the hobby for many years, I have simply accumulated a large inventory of glow equipment and it's the more cost-effective way for me to fly larger aircraft at this time. At any rate, I will march on with the times. Thrust is thrust! I've actually been considering building a control line model...I did have a 70's vintage cox Cessna 150 w/ 049 as a kid but I don't think that counts.

CLASSIC PATTERN IS BACK – by Bob Noll

Because of the great participation of club members in last year's Classic Pattern Contest, we are going to do it again. I already have the AMA sanction and here are the vitals:

- Date: Saturday July 21
- Location: AGS Airport
- Time: 9 AM

Classes: Pre-Novice, Novice, Advanced, Expert, Masters (same as last year)

Visit the Classic Pattern Association web site at www.classicpatternassociation.com for maneuver schedule.

I will have copies of each class maneuvers at the meeting.

I am in the process of contacting pattern pilots from outside our club who have expressed an interest in attending.

**“Would a Kaos by any other name fly as sweet”–
submitted by Scott Wallace**

My apologies to William Shakespeare for borrowing “a rose by any other name”, probably never before done in the realm of RC.

California’s Joe Bridi was a prolific model designer from the late 1960’s through the 1980s. His most well-known design was the very popular Kaos series, and he’s drawn many versions of the Kaos over the years in both 40 and 60 sizes. In the 80’s he sold the rights to the ‘Kaos’ design and name to Great Planes, then later started kitting 40 & 60 size versions again through his own company named ‘Chaos’.

In the early 70’s Bridi kitted a few of his designs for Phil Kraft (as in Kraft radios). One rarely seen version was essentially a Super Kaos 40 with a turtledeck added to the aft fuselage which Bridi called the “Vagabond”.

I have several projects in process this winter but the furthest along is a Vagabond. Haven’t decided if this one will be Koverall/epoxy paint or Monokote for the finish, but I can promise you it will not be covered with Dharma silk!

I’ve probably built 20 different Bridi designs over the past 40 years but this will be the first Vagabond. The wood in this kit was quite good and I expect a nice, light finished model. I’m sure it will fly every bit as well as a Super Kaos 40 I had in the late 1980’s.

You just can’t beat a Joe Bridi design for ease of build vs. performance. I have a 60 size Sun Fli 5 in progress and next winter I want to add a Trainer 60 and either a Dirty Birdy or UFO to my Bridi fleet.

Joe Bridi is still with us well into his 80’s now but unfortunately has vision issues and hasn’t flown RC in a long time. He does still enjoy talking the good old days of RC with his many friends in the modeling community.



Shoestring Resurrection III – submitted by Jim Quinn

After some debate within myself I thought silk and dope might cause too much pressure on the old ribs so it was Monokote as a second choice. Since this is a remembering airplane for my Brother, Bill, and myself I decided to cover the wings maroon and white, which are the colors of our hometown of Johnson City. Since the Shoestring is a racing airplane numbers on the wing were the next thought. An easy answer was to use our home in JC for the number. 95 Burbank Avenue answered that need. Since the fuselage was painted a new color was needed there as well.

My brother owned several full size airplanes, but his favorite was a Cherokee 180, 4BQ, which he flew IFR for many years. “Blue Bird,” as it was called, even made multiple trips to the EAA annual convention in Oshkosh, WI. Following my brother’s lead both of my full size airplanes 4JQ and 2 JQ were also painted in the same Bahama blue. So with no thought given to the fuselage color of the Shoestring 4 coats of Bahama blue were used to cover over the original yellow.



Now that the airframe is finished it is on to the power portion of this restoration. Our original Shoestring was powered by a Fox 0.35 red head glow engine. Oddly, the same engine was on the front of the project I bought two years ago. Our original Fox went to the garbage after the crash, so it was appropriate that the restoration airframe’s engine also when to the garbage can.

Since I exclusively fly only electric powered airplanes a Turnigy G-32 was selected to power the restored “JC 95” special. A 60 amp speed control will easily handle

the power supplied by a Nanotech 4S 3000 battery. As luck would have it, I found two Top Flight 12X7.5 wooden propellers for the 800KV motor. The G-32 is about as close as I could find to the original Fox 0.35 power range. This modern electric motor, however, will probably supply significantly more power than our Fox 0.35.



One other factor to be considered in this restoration is the weather for test flying. As I learned early on in building my 2 full size airplanes, the most important skill required for a successful project was patience. So soon this Shoestring restoration project will only need patience for spring and good flying weather.

Indoor Projects – submitted by Jim Quinn

I have been flying a Twisted Hobbies “Clik” for several years. My first Clik was purple and was a great training F3P plane. As the Click’s are made of EPP foam they are like the proverbial Timex watch, taking a licking and they keep on (flying) ticking. Two seasons ago I started flying a new green Clik (#2) and with no damage it flew lighter and better than the original. Last season the green Clik was mid-aired twice. Oddly both were by the same pilot and both were in the same wing. So I thought a nice Christmas present would be Clik #3.

I also made three Clik clones. Two from EPP foam and a third from balsa and mylar. As I wasn’t happy with the weight or performance of anyone of the three clones, it was an easy decision to make the new third Clik using the equipment from the clones. Happily, Clik #3 flies perfectly well.



My other indoor project was to make a smaller and lighter indoor model for some of the smaller gyms we use for indoor winter flying.



If anyone is interested in flying the F3P competition sequences the Clik is an ideal first airplane. You will not go to the world championships, but you will have a lot of winter fun and improve your flying skills. I frequently observe new pilots take off with full power, as they should. Then they fly an entire flight without touching the left stick again (mode 2) until it is time to land. The rudder stick is only use for taxiing. When you fly indoors that left stick (mode 2) is in constant motion. Competing or not indoor flying will improve your outdoor flying skills as well.

AGS Merchandise – available from Bill Green

Item	Price ea.	Item	Price ea.
AGS Decals (white base)		AGS Patches	
Small	\$0.75	Small (2.25" x 1.75")	\$0.75
Medium	\$1.75	Medium (3" x 2")	\$1.75
Large	\$2.75	Large (4.25" x 3.25")	\$2.75
X-Large	\$3.75	X-Large (5.75" x 4.5")	\$3.75
AGS Decals (clear base)		Embroidered Coat Patches	
Small	\$0.50	Medium (9" x 7")	\$10.00
Medium	\$1.00	Large (12" x 10")	\$15.00
Large	\$1.25		
X-Large	\$1.50	AGS Coffee Mugs	\$10.00
		AMA ID Labels	\$0.25

**AGS Shirts and Hats are
available again!**

**Get your from Zappia Athletic
Products
133 Front St.
Vestal, NY 13850**

**Contact person is Dan Cordi,
reference Ray Phillips**

**Reminder to all AGS members...Keep
your AMA membership current.**

**AMA membership is an AGS
requirement to remain a member in
good standing.**

AGS CLUB ACTIVITIES FOR 2018

ACTIVITY / LOCATION (AGS Field unless specified)	DATE	CHAIRMAN
Spring Fun Fly (BC United Soccer Fields)	March 4 11AM – 2 PM	Bill Green
Field Opening	TBD	Todd Kopl
AGS Pylon Race #1	Apr 24	Bob Noll
AGS Pylon Race #2	May 8	Bob Noll
AGS Pylon Race #3	May 22	Bob Noll
AGS Pylon Race #4	June 12	Bob Noll
AGS Pylon Race #5	June 26	Bob Noll
AGS Pylon Race #6	July 10	Bob Noll
Classic Pattern Contest	July 21	Bob Noll
AGS Pylon Race #7	July 24	Bob Noll
AGS Pylon Race #8	Aug 7	Bob Noll
Aerobatics Contest	Aug 25-26	Jeff Hatton
VRCS Reunion	Sept 1-2	Bob Noll
Family Picnic	TBD	Bob Noll
Hilltop Challenge	TBD June	Jim Monaco
AGS Float Fly Location TBD	TBD	Don Shugard

Other nearby RC events of interest

Event / Location	Date	Contact / Info
Indoor Flying Sayre, PA	Feb 28 7PM - 9PM <i>Last session of the season</i>	Dan Luchaco pafflyer23@gmail.com
Lebanon, PA RC Flea Market	Mar 10	http://cpaa.us/
Wings Over Piper Fun Fly Lock Haven, PA	Aug 3-5	www.wingsoverpiper.com Kevin Ziegmann ziggyr71@gmail.com

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 s.j.wallace13@gmail.com for inclusion in the next edition of The Connector.

MARCH PROGRAM



Early Proportional RC Systems – by Bob Noll



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