

THE CONNECTOR

The Official Newsletter of the Aeroguidance Society, Inc.

Endicott, New York



TONY CAMMARATA EDITOR

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VOLUME 21

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March 1988

NEXT MEETING: Mar. 15, 1988 @ 7:30pm

NYSEG BUILDING - OLD VESTAL RD.

AGS CALENDAR OF EVENTS

DATE	TIME	PLACE	EVENT
03-15-88	7:00 PM	NYSEG	GROUND SCHOOL
03-15-88	7:30 PM	NYSEG	AGS REGULAR MEETING
03-18-88	6:30 PM	DOBB'S Chenango Inn	AGS ANNUAL BANQUET
03-22-88	7:30 PM	NOLL'S RESIDENCE	AGS BOARD MEETING
04-19-88	7:00 PM	NYSEG	GROUND SCHOOL
04-19-88	7:30 PM	NYSEG	AGS REGULAR MEETING (PROJECT NIGHT)
04-26-88	7:30 PM	McKEOWN'S RES'D'NCE	AGS BOARD MEETING
05-07-88	9:00 AM	CLUB FIELD	PANCAKE BREAKFAST & FIELD OPENING
06-25,26-88	8:00 AM	SAYRE PA.	AGS ANNUAL PATTERN CONTEST

OTHER EVENTS OF INTEREST

05-14-88	8:00 AM	NEW BRIDGEVILLE, PA	KEYSTONE PATTERN CLASSIC
5-21,22-88	9:00 AM	ANDREAS, PA	GIANT AIRCRAFT FLY IN
5-28,29-88	9:00 AM	SARATOGA SPGS, NY	EMPIRE STATE CHAMPIONSHIPS PATTERN CONTEST
6-4,5-88	9:00 AM	BROCKPORT, NY	SCALE RALLY AND FUN FLY
	9:00 AM	QUAKERTOWN, PA	4-CYCLE FUN FLY
6-18,19-88	9:00 AM	BRIDGEWATER, MASS	PATTERN CONTEST
07-09,10-88	---	CHENANGO BRIDGE AIRPORT	WAR BIRDS LTD GIANT SCALE
08-13,14-88	---	GALEVILLE N.Y.	MID-HUDSON RC SOCIETY PATTERN CONTEST
08-20,21-88	---	CHENANGO BRIDGE AIRPORT	BINGHAMTON AREOS 5TH ANNUAL GIANT SCALE AIR SHOW

REMINDER

NOTE: MARCH 15TH IS AT NYSEG BUILDING; CONFERENCE ROOM 2 ON 2ND FLOOR.

CONNECTOR PUBLISHING DEADLINE

Next CONNECTOR deadline for articles is April 8th. Please take note; Ed.

THE PREZ SEZ - by Bob Noll

Free Knives - I received a box full of high quality surgical knives from a friend of mine and they're great for modeling. I'll bring them to the next meeting for those of you who would like them. Pick up a bundle of knives as you enter the meeting room. Don't know how long they will last so don't be late.

Annual Dinner Party - Your Vice-President Frank Gioffredo has been working hard with his committee to make this year's party an event you won't want to miss. The "CARNIVAL NIGHT" theme has everyone wondering just what Frank has in store. Treat your spouse to a great night out and join the fun at Dobb's Chenango Inn on Friday March 18th.

AMA License Required - Don't forget to renew your AMA license for '88. AMA membership is a club requirement for all members except Social Members. Starting this year AMA has designated individual clubs as responsible for policing their own rosters. In the past AMA performed this task at the time of annual charter renewal. AMA Hq will help with member status verification if necessary, but not as an automatic bureautic requirement.

Field Committee Planning - Yes, even though there is still quite a bit of snow around, your field committee is already talking about some modifications and improvements to our facilities at the club field. Of course, the flight board is in need of a few changes due to the frequency changes we have all heard and read about for the past year. Bill Underkofler has prepared his proposal for frequency grouping in order to minimize interference problems. The board approved Bill's recommendation and you will be hearing all about it at the April meeting. A new impound rack and a weatherproof bulletin board are the other items on the committee's list at this time. If you would like to give the committee a hand, call Bob Jennings (754-3128) or his committee members Ed Hall (748-3915) or Bud Grant (642-8046).

WRAM's Show '88 - I spent considerable time discussing sound reduction with several of the FAI flyers. Seems like everyone is trying out new techniques for vibration isolation of engines and pipes. Ran into Don Lowe, AMA Pres, and he sent me some neoprene studs that several people have been using with great success. Couldn't catch up with Dean Pappas but the word was that he and Ron Chidgey have a technique that can be applied to an existing beam mounted engine installation. I'll be trying both ideas in my new planes.

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SEE YOU AT THE ANNUAL DINNER
PARTY ON FRIDAY MARCH 18

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Safety Corner

By Tony Cammarata.....Editor

Potential Hazard of Glow 4-Stroke Engines

The January Editorial of R/C Scale Modeler contained a fairly detailed article on the principles of the 4-stroke engine and the problems attendant to the glow plug designs. The point of the article is that the requirements of their basic design such as: precise timing via electronic points and valves, make them ill suited for glow plug operation. As a consequence of compromising the 4-stroke design by marketing them with glow plugs, owners of these engines continue to experience prop throw. According to the article a recent incident to an airline pilot (modeler) was in danger of losing his eye because of prop throw. The following quotation from the article is worthy of reprint: "Make no mistake about it... a 4-stroke engine, running on a glow plug, has no precise timing. It's a running compromise which could be a time bomb, just waiting to explode". Acknowledgement goes to Dick Fish for alerting your editor to this article. Four-strokers take heed and be careful out there!

Look Before You Leap.....Author Anon.

I am writing this to stress the importance of "clearing the runway" that is; visually checking it over before you take off, land or perform a low pass. My incentive for writing at this time came -- quite suddenly -- at a recent flying session.

I had landed "dead stick" and went out to retrieve my aircraft. I kneeled down to turn off the radio and pick up the plane. Fortunately, I happened to glance around before standing up. A plane, buzzing the field, was headed right for me at about 100 mph and less than 50 feet away. Instantly it flashed by a few feet above my head. The flyer (not a beginner) had neglected to "clear the runway" before performing a low pass. Similar close calls can be avoided by always visually checking the entire runway before a landing, take-off or low pass. Hitting your buddy could ruin your whole day....not to mention his.

Safety is no accident; make it not happen

WRAM SHOW TIDBITS

As we have done every year for the past 6 years, myself and family made the annual trek to the WRAM show, this year again, staged at Yonker's Raceway, in N.Y. I thought this year's show was better than last years (opinion). As usual there were many ARF's being hawked, but there also seemed to be more products (goodies). These are of more interest to me.

A very nice feature was the AMA'S checking of transmitters for proper calibration. I had a wide band transmitter tested. It "passed" the test and got the silver sticker "award" which means it's good until 1991. Soundmaster Mufflers were featured by Davis Diesel Development and I was so impressed by the comments of Clarence Lee, I bought one for my new Rossi 60 which I plan to have it noise tested this season. I also was impressed with Model Products Corp. glow plug igniter. It's called HEAD-LITE and features a replaceable nicad (when it's shot) and a non-shorting

feature when in your pocket or tool box, and this without a rubber cover to protect it from shorting. Seemed to be a lot more R/C Cars featured this year. All in all it was a good show. Attending the show is a great mental boost to my mental state at this time of winter.

New Associate Members

James A. Ross	215 Castle Creek Rd, Binghamton, N.Y.
Jason Harper	21 Crestmont Road, Binghamton, N.Y., 13904
Tom Billingiere	Rd6 Box 356c, Quaguaga Road, Bing'ton, N.Y. 13904

Welcome to the AGS, and good fellowship to all of you.

Guests At February AGS Meeting

Tom Billingiere	Rd6 Box 356c, Quaguaga Road, Bing'ton, N.Y. 13904
Bob Hoag	9 Bradley St. Owego, N.Y. 13827
Jason Harper	21 Crestmont Rd. Binghamton, N.Y.
Steve Harper	21 Crestmont Rd. Binghamton, N.Y.
Tim Nagorski	RD2 Box 202, Ostrum Rd, Kirkwood N.Y. 13795
Mike Nagorski	RD2 Box 202, Ostrum Rd, Kirkwood N.Y. 13795
Harry Barnes	RD3 Box 13, Newark Valley N.Y. 13811
George T. Kelsey	208 Glenbrook Court, Endicott N.Y. 13760
George Dale	30 Longview Avenue, Binghamton N.Y. 13902

Welcome guests and come-on back!

Sound At the Field.....Fred Buchler

We are all aware of the threat noise is to our keeping our field. Most of you have read numerous accounts of clubs loosing their field because of noise problems and those living close to the field (and not so close) complaining to the town board with the end result being that the authorities, force the club to stop flying and thereby closing the field. These clubs then are confronted with the monumental task of finding another flying site suitable for R/C flying that is acceptable to the majority of club members. No easy task. In line with this problem many of us have been thinking of ways to reduce the noise levels that our two-stroke engines make. So far, all I have seen or heard about are the use of steel wool (in the muffler) or the use of plastic bottles to reduce the db readings of our engines. Most of these methods result in a loss of power. I too have been working on ways to help keep our field from any kinds of noise complaints by experimenting with ways to improve the effectiveness of stock mufflers. I have been designing, building and testing inserts for my stock mufflers. I have been working hard to find a cheap way of accomplishing db reduction without the loss of power. I have designed an insert. The results I, and a few other AGS members have obtained have proved effective, and encouraging. The insert is cheap, does not reduce rpm, and does not take away from the looks of the model. The insert can be fashioned to fit into almost any engine muffler. I'm not claiming that everyone will be happy with this idea, but it should help us keep our flying field for a long time to come. If we all keep our noise down to 95 db or lower, it will be a plus for the AGS. The test data collected for my Torpedo muffler insert to date follows:

Test #1 without the insert gave a db reading of 100 at 12,400 rpm.

Test #2 with the first insert gave a db reading of 93 at 12,500 rpm, an increase of 100 rpm.

Test #3 with prototype II design insert gave a reading of 92 db at 12,500 rpm, no loss in rpm.

Using my design I not only decreased my noise level by 4 times (every 3 db reduction results in a sound reduction of 50%) but I did not suffer a reduction in rpm. In fact, I either maintained or gained rpm, and all at the cost of 18 cents! If anyone wants to know more about the design and effectiveness of the insert, they can contact either Dick Allen or Dick Fish as they both have and are using my Torpedo insert with similar results. All of us are happy with the results as we are experiencing reductions in db's. I continue to experiment. My goal is to reduce my noise to 88 db without a loss in power. Wish me luck!

Ed. Note. If you are interested in Fred's design he is making plans for construction of his Torpedo insert available to anyone, at no charge. Fred is to be commended for his efforts in this regard and proud of his accomplishment to date as this portends to be a significant contribution to everyone's flying pleasure. Congratulations Fred. Thank you from all of us Fred, and we do wish you luck and success in your quest.

SPECIAL MEETING NOTICE

The March 15th meeting will be held at the regular NYSEG building location, but in an unfamiliar room. It will be in Conference Room Two, located on the second floor. Entrance to the stairs is through doors in the main lobby directly in front of the main entrance doors. Conference Room Two is down a long hall from the top of the stairs. Since this room has a seating capacity of only 30, it will be wise to come early to get a seat.

MARCH PROGRAM

Ralph Jackson

Dick Allen and Ralph Jackson will present a program on Electric Powered Models. They will describe equipment such as motors, batteries and battery chargers as well as models available for beginners and advanced flyers in this rapidly growing field.

APRIL PROGRAM

Ralph Jackson

This is our special annual PROJECT NIGHT program held each year for everyone to show the projects they have worked on during the past winter. It is a big show and tell. Bring your new models or other R/C projects. Both finished and unfinished projects are encouraged. Project Night will be held in Cafeteria Two, our regular meeting room next to the cafeteria.

ACTIVITIES
by Jim McKeown

Our first outdoor scheduled activity of 1988 took place on Valentine's Day. This was the annual winter-fly at Moore Park. Winter activities are always doubtful as far as the weather goes but somehow we did something right! The weather was ideal and we had an excellent turn out of both flyers and spectators. There were 15 flyers with many different configurations of models and skis. There was a good covering of snow on the field which was very powdery. As a result of this, if the ski size was marginal, there were some problems in take-off but all in all everyone seemed to have a good time. Most of the local clubs were represented and several flyers from the Valley R/C club of Saver were on hand. The hot dogs went well and there was a small profit of \$18.00 from the donations. Our thanks to all who supported this activity and I surely hope that we can have a repeat performance next year.

The activities schedule below is the summary of the comments and vote of the membership at the February meeting. As the time approaches for each activity, I will be looking for help. Anyone who is interested in assisting with any activity is urged to contact me so that I can use you to our best advantage. Your help makes these activities a going proposition.

Annual Banquet	March 18
Field Opening and Pancake Breakfast	May 7
Damascus Float-fly	May 14
Greenwood Park Float-fly	May 22
STRCA Fly-in (Uncotest)	June 5
Pattern Contest	June 25 & 26
Glider and Electric Fly	July 10
Intra-Club Contest and Picnic	August 7
Greenwood Park Float-fly	September 17 & 18
Damascus Float-fly	October 1
Pylon Race Day	October 9

CONNECTOR MARCH 1988

WE HAVE JUST BEEN INFORMED THAT THE ITHACA CLUB, IN AN ATTEMPT TO INCREASE THEIR MEMBERSHIP, WILL BE HOSTING A MALL SHOW ON SATURDAY APRIL 30TH. SET UP IS FROM 8 TO 10 AM AND THE MALL CLOSES AT 9 PM. IT WILL BE AT THE PYRAMID MALL ON TRIPHAMMER RD JUST NORTH OF ITHACA. THEY HAVE SUPPORTED MANY OF OUR FUNCTIONS IN THE PAST SO IT WOULD BE NICE IF WE COULD GET A FEW OF OUR MEMBERS TO HELP THEM OUT. THERE WILL BE NO ENTRY FEES NOR PRIZES BUT THEY DO HAVE A 40 SIZE KIT TO RAFFLE OFF. THE PROCEEDS WILL GO INTO THEIR NEW FIELD FUND WHICH THEY JUST STARTED SO THAT THEY CAN SOME DAY OWN THEIR OWN FIELD--WE CAN CERTAINLY UNDERSTAND THAT GOAL SO LETS LEND THEM A HAND!!

TRIVIA:

THIS WILL BE THE LAST MONTH FOR THE TRIVIA FEATURE AS THE BOARD HAS CONCLUDED THAT THERE IS NOT ENOUGH INTEREST TO CONTINUE TO SUPPORT IT. SINCE WE HAVE BEEN GETTING ONLY 12 TO 15 ENTRIES I MUST AGREE WITH THEIR DECISION.

1. WHAT IS THE TERM OF OFFICE FOR A BOARD MEMBER AT LARGE?
2. SEVERAL YEARS AGO WE SOLD 2 ACRES OF OUR LAND TO THE TELEPHONE COMPANY. HOW MUCH DID WE GET FOR THE 2 ACRES?

KIT REVIEWS:

WE ARE CONTINUING TO GET KIT REVIEWS IN EACH MONTH BUT THERE ARE STILL MANY TO COME. IF YOU ARE FILLING ONE OUT PLEASE GET IT TO ME. IF YOU WANT INFORMATION ON A POTENTIAL PROJECT YOU MAY BE CONSIDERING, GIVE ME A CALL AND I'LL HAVE THE REVIEW AT THE MEETING FOR YOU. 748-8146

Aero Guidance Society Inc.
Post Office Box 39
Vestal, N.Y. 13851-0039



HAPPY SAINT

PATRICK'S DAY

