

THE CONNECTOR

The Official Newsletter of the Aeroguidance Society, Inc.

Endicott, New York



Editor: **TONY CAMMARATA**

THE CONNECTOR is the monthly newsletter of the Aeroguidance Society, Inc., Radio Control Model Club. The club owns and maintains its flying field in Endicott, N.Y. Anyone interested in joining the club should contact any of the officers listed below.



President: **Chris Engler**
Secretary: **John Raney**
Board Member: **Tom Kopl**

Vice President: **Terry Terreniore II**
Treasurer: **Jerry Bernhardt**
Board Member: **Scott Anderson**
Past President: **Jim McKeown**

FOR YOUR INFORMATION, 1991 CLUB EVENTS AND POTENTIAL EVENTS AND ACTIVITIES ARE LISTED BELOW. AT THE NEXT CLUB MEETING YOU WILL HAVE AN OPPORTUNITY TO DISCUSS THESE EVENTS AND ANY OTHERS YOU MIGHT WANT THE CLUB TO PURSUE.

VOLUME 24

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January, 1991

NEXT MEETING: January 15, 1991 @ 7:30pm

Place: Vestal American Legion

AGS CALENDAR OF EVENTS

DATE	TIME	PLACE	EVENT
January 15	7:30pm	Vestal Amer. Legion	Regular AGS meeting
January 19 & 20	9:00-9:00pm 12:00 Noon to 5:00pm (on Sunday the 20th)	Oakdale Mall	86th(?) Annual Mall Show
February 17	11:00am	Moore Park, Vestal	5th(?) AGS Annual Ski Fly
March TBD	---	---	Annual AGS Banquet
April TBD	7:30pm	Vestal Amer. Legion	AGS Project night
May 4	9:00am	AGS Club Field	AGS Club Field opening
June 8&9	8:00-5:00pm	Blue Swan Airport	AGS 36th Annual Pattern Contest
July TBD	9:00am	AGS Club Field	AGS Annual Club Picnic and Fun-Fly
August TBD	---	Blue Swan Airport	3rd AGS Annual Scale Meet
September TBD	9:00am	Greenwood Park	8th Annual AGS Float Fly
October TBD	11:00-3:00pm	AGS Field	7th Annual Electric and Glider Fly
November TBD	7:30pm	Vestal Amer. Legion	Annual AGS Auction
December TBD	Evening	TBD	AGS Christmas Banquet

Note: Other club events will consist of 1/2A engine size and Quickee 500 racing (stock .40 engine size). See article within for details.

NEXT CONNECTOR PUBLISHING DEADLINE IS February 1, 1991

Prez Sez:

By the time you read this Santa will be back at the North Pole resting from his whirlwind trip. To most of us the winter season means getting our latest projects ready for the upcoming flying season. With the cold weather and decrease in flying activities, the winter is dreaded by some modelers. An antidote to the winter modeling blues is to attend any or all of the events which are aimed at keeping your enthusiasm up throughout the winter. These events include the annual Mall Show, the WRAM Show, the Syracuse Symposium, and the "Fun and Fellowship" symposium put on by Ivan Christensen. I have attended each of these events and I highly recommend them. If anyone has any questions regarding dates and times, or would like any information regarding content or format, give me a call, or check the calendar of events in Model Aviation.

During the December meeting, the club voted on several important issues pertaining to the frequency control for introduction of the new frequencies in 1991. A recap of the results appear below:

1. Beginning January 1, 1991, all transmitters used at the AGS field are required to have a gold sticker.
2. Beginning January 1, 1991, all receivers used at the AGS field are required to be "narrow band."
3. Single conversion receivers CAN still be used at the AGS field after January 1, 1991.

The issue of 1991 frequency control is one that could be debated at great length. I feel that the AGS policy is ideal in terms of providing the greatest degree of protection and flexibility for the club members as a whole. The new frequencies will be a reality as of 1/1/91, and I am glad to see the AGS take a proactive approach. With the new policy, frequency control becomes fairly simple. With rules #1 & 2 in effect, the only scenario we have to protect ourselves against is the "23 channel" interference problem due to the continued use of single conversion receivers. Single conversion receivers are prone to interference if any two transmitters are operating 23 channels apart. For example, if channel 20 is operating and channel 43 is turned on, all single conversion receivers operating at that time are prone to interference. To protect ourselves against this problem, a frequency grouping system will be implemented in 1991 which will pair all frequencies spaced 23 channels apart such that no two transmitters in any group operate simultaneously. For example, groups will consist of the following paired frequencies: (12, 35, and 58), (13, 36, and 59), (14, 37, and 60), (15 and 38) etc. This system will result in a total of 23 groups. Three of the groups will contain 3 frequencies and 20 of the groups will contain 2 frequencies.

To add further freedom to this system, we could consider the use of a red flag which is put in use whenever someone at the field wants to use a single conversion receiver. If the flag is not up, the groupings can be ignored since all receivers in use that day must be dual conversion. We can discuss this option at the next club meeting.

Several club members have expressed concern about the possibility of voiding our liability insurance if a person were to cause personal or property damage while using a wide band receiver (which would be a violation of the club rule which mandates the use of narrow band receivers beginning 1/1/91). I have posed this question to AMA and they informed me that under these circumstances, insurance for the member in violation would be voided, however the club's insurance would remain in effect. This essentially protects the club from a rule that is difficult to enforce.

That's all for now. Remember the first of two scheduled hanger sessions will be held at my house @ 2:00 January 12. Please give me a call at 687-9221 if you plan to attend - it should be a fun time.

****THE JANUARY MEETING WILL BE HELD AT THE VESTAL AMERICAN LEGION****

Safety Is As Safety Does.....Tony Cammarata

Who among us has not sinned? Let him throw the first stone....

New Year's "rules-alutions" to be a safer flier; thereby respecting both body and property of others. Let us all obey and practice the AMA rules for flying safely in this coming year. Some basic rules that are simply common sense:

- Rule #1. Thou shalt not fly alone.
- Rule #2. Thou shalt not fly an unsafe airplane (if you have any doubts; don't fly). Have your plane checked out by a proficient flier.
- Rule #3. Thou shalt always range check a new installation, a changed or altered installation (receiver, transmitter or servo swap etc.).
- Rule #4. Thou shalt always do a control surface checkout procedure prior to the first flight of the day or a "hard landing". Is right bank stick motion (on transmitter) for right bank aileron (on airplane) correct? Is up elevator stick motion for elevator (on airplane) correct? Are all the control surfaces working! Etc. al...
- Rule #5. Thou should always be sure to fully charge your system before a flying outing, and be able to verify the Rx battery condition. Tx battery condition is usually easy to check via the Tx meter.
- Rule #6. Thou shalt not mix alcoholic beverages with flying (YOYO if you do as AMA Insurance is null and void if you and have an injure someone or damage property).
- Rule #7. Thou shalt always have possession of the frequency pin before turning on your transmitter, even if no planes are in the air (you could cause a run-away engine or airplanes on the ground with a motor running). This could cause injury to that pilot or a spectator.
- Rule #8. Thou shalt always comply with ABS Sound requirements and guidelines.
- Rule #9. Thou shalt always announce your intent when flying with other pilots already in the air, such as "Taking Off", "Landing" or "on the runway".
- Rule #10. Thou shalt not fly over the zero line (flight line or pits).
- Rule #11. Thou shalt not fly your airplane in an unsafe manner (no zooming or buzzing of persons or property).
- Rule #12. Thou shalt always utter "AMEN" upon a glitch free, safe landing.

There's more, but you get the idea. If you have any doubts about your ability or equipment; get HELP from a club member...it is there for the asking. And it is a must to review the AMA SAFE Flying rules.

***** Insurance Reinstatement.

By now you should have received your notice form the AMA of member-to-member liability coverage reinstatement. The Academy announced this on December 18, 1990, along with two other significant changes to insurance benefits for members of the Academy. This will not come "free" to us. The AMA is saying that this reinstatement will impact our future dues rates. The deductible amount for property damage will be increased to \$250.00 per claim and the AMA medical coverage will be raised from \$7,500 to \$25,000 in 1991 (not the \$100,000 previously described). More detail will be forthcoming to all AMA chartered clubs.

Racing.....With Tim Rogers

The building season is in full swing for some of us. If you are not in full construction mode, and are contemplating a new project, something new, exciting and challenging; I have just the ticket for you! It's 1/2 A or Quickee 500; R-R-R-a-a-cing!! To help you with this new endeavor you have before you the rules (specifications) for both 1/2 A and Quickee 500 racing. And, some suggestions for airplanes and engines. So go to it, and many black checkered flags to you!

AMA - QUICKEE 500 RULES

Box shaped fuselage
Exposed motor
3.5 lbs minimum weight
3-1/2 x 2-7/8 inch minimum Fuselage cross-section within wing cord.
2-1/4 x 2-1/4 inch minimum Firewall dimension
1/4 inch maximum radius on Fuselage corners
500 square inch minimum wing area
50 inch minimum wing span; 52 inch maximum wing span
1-3/16 inch minimum wing thickness; 47-1/2 inches of wing span must comply
2-1/4 inch minimum landing gear wheel diameter
No wheel pants
.403 maximum engine displacement; must be side exhaust, front intake
No fuel pumps on board
Maximum 15% nitro content fuel
No modified propellers; except sanding for balancing
Registration number with minimum 1 inch size on plane (usually AMA number)
90 second rule for starting engine to begin a heat
Contestant may enter two (2) planes
No canards or flying wings
No tuned pipes
Added rule by AGS: must meet AGS noise limitation; 98db at 9 feet.

* * * * *

Kits Available - Spickler Quickee, Scat Cat, Gyro, Texas Outlaw, Thunder Quickee (average price range \$35.00 - \$40.00).
Pre-built kits - \$60.00 - \$80.00.

Commonly Used Motors. Rossi 40, Enya 40 CX, D.S.40 FP-ABC, Webra 40 Speed or pylon, Picco 40, Super Tiger S-40 (ABC), Fox Quickee 40 (sport or racing), ASP 40 (Indy RC).

1/2 A Racing Rules - AMA Event 423.

Pylon

- * Factory stock engines, .0519 cu.in. maximum.
- * Vented unpressurized fuel tanks only.
- * Fuel cutoff required, rigid fuel pick-up for inverted cutoff is recommended.
- * No modified propellers
- * 200 sq. in. minimum wing area with a minimal thickness of 7/8 inch at the root cord.
- * Minimum weight 20 oz. maximum weight 32 oz.
- * Minimum fuselage cross section is 3 1/2" high by 2 1/4" wide within the root cord.

Note: A standard Cox 1/2A muffler meets club 98db sound rule.

Commonly used motors and kits. Cox 1/2A TD's (about \$25.00); most commonly used kit is ACE's GLH (about \$25.00).

ATTENTION

MEETING CANCELLATIONS WILL BE TIED TO BROOME COMMUNITY COLLEGE EVENING CLASS CANCELLATIONS. IF BCC CANCELS THEIR EVENING CLASSES DUE TO BAD WEATHER, THEN THE AGS MEETING IS CANCELLED ALSO. MONITOR YOUR RADIO STATIONS FOR THE WORD.

The following is a list of tapes and books in our library. If you would like to take home a tape please see me at a regular meeting or if you would like to take out a book or tape you can call me, John Raney 754-0579, and I will make arrangements to get it to you.

AGS Library

Books

1001 New Model Airplane Ideas 1969
1969 Air Racing 1969
Aerobatic World Championships 1971
B-25 Mitchell in action 1978
Basics of radio control modeling 1975
Color Profiles of World War 1 Combat Planes 1974
Designers and Test Pilots 1947
Early Aviation 1971
F4U Corsair 1967
Fighting Mustang: Cronicle of P-51 1970
Flight training course 1974
Flying Aces of World War I 1965
Four Stroke Model Egnines 1985
Getting Started in R/C 1969
Glossamer Odyssey 1981
How to build radio-control models 1964
How to build and fly Radio Control Gliders 1980
Mission to Gibraltar 1978
New York State Aerospace resources guide 1972
Propo Primer 1968
Profile F4U-1 Corsair
 Bristol Fighter
 Sopwith 7F.I Snipe
 The Short 184
 The Fairey Flycatcher
 The Westland Wapiti
 Vickers F.B.27 Vimy
 JN-4 Jenny
 Fokker Monoplanes
 Nieuport N.28C-I
R/C Primer 1968
R/C Primer 1962
RC Modeler's Handbook of Gliders & Sailplanes 1976
Radio Control Systems 1980
Scale in Hand 1973
The Flying Coles 1974
The Luftwaffe War Diaries 1964
The R/C Engine Vol II 1974
The Challange of Radio Control Scale 1967
The Dremel Handbook of Hobbies, Crafts and Parojects 1967
The R/C Engine 1971
They Fought for the Sky 1958
Yeager 1985

Tapes

Copies of 16mm films
R/C Video Magazine (various 1985 to 1990)
Spirit of St. Louis
Turnament of Champions

MEMBERSHIP MATTERS

by Bob Noll, Membership Chairman

New Regular Members: I am pleased to report that two Associate Members were voted into Regular Membership at the December meeting. They are;

Frank Balzer, Owego
Hai Van Luu, Endwell

Both of these gentlemen did a significant amount of flying the past season and I am sure they will continue to show their talents in the air and by participating in club activities. Congratulations guys!

Visitor at December Meeting:

Dan Furrow, Endwell

PIX on the BB: There are several pictures of our Christmas Party on the bulletin board at GJ's. Take a look next time you're in the store.

Sponsors List: As advertised, I circulated the sponsor's list at the last meeting and am happy to report that the list grew in size. Thanks for the help since a very important part of the membership process is to assign two sponsors to our new Associate Members so they have someone to contact for questions or help.

Here's the list for this year;

Chris Engler	Jerry Skreckoski	Tony Cammarata
Terry Terrinoire III	Terry Terrenoire II	Wynn Aker
Tim Rogers	Bob Punkar	Jerry Bernhardt
Dick Allen	Jim McKeown	Herb Spicer
Bill Underkoffler		

If you're not on the list and want to help out by being a sponsor, please let me know and I'll add you to the list.

As Membership Chairman, I will assign sponsors from the list to new Associate Members.

Did You See Our Patch? Take a look at page 38 of the February Model Aviation. Can you identify the fellow with the AGS patch on his jacket? How about another AGS'er standing in the background, can you identify him also?

RC Pattern Fellowship: Ivan Kristensen will again be holding his annual gathering of pattern flyers in Guelph, Ontario on Saturday Feb. 2. The formal agenda will start at 10:30 AM and end with a banquet that evening. Several AGS'ers will be attending and I can provide more details if you contact me. Ivan is the 1990 AMA Nationals FAI Pattern Champion and one of the top 10 aerobatic pilots in the world.

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BYLAWS CHANGES

The bylaws changes shown below will be voted on at the regular January meeting. These changes will bring the bylaws into agreement with current practices and will eliminate some confusion.

3.2 Procedure no longer followed.

7.9 Procedure unnecessary; hasn't been used for many years.

3.5, 3.7, 7.1, 9.1, 9.7 Establishes an exact dues year.

3.2 New Members - Prospective new members may become Associate Members for six months by paying one half of the annual assessments as defined in Article 9. Associate members have all rights and duties of Regular members except voting rights. During the seventh month, his membership shall be discussed and voted upon by secret ballot. Former Regular members applying for membership shall be immediately eligible for Regular membership at any regular meeting. A two-thirds vote of a quorum (Refer to Article 4 Section 5) shall be required for Regular and Social Membership. ~~Voting on membership of a prospective member shall be initiated only after the Corporation Secretary has obtained a signed statement of sponsorship of said prospective member by two Regular members other than the Secretary.~~

7.9 ~~a. He shall maintain a separate fund for the payment of fixed expenses such as bonds, taxes and insurance.~~
~~c. d.~~ He must present a detailed report at the Annual Meeting which outlines income and expenses for the fiscal year which shall be affixed to the minutes of that meeting.
~~d. a.~~ He shall exercise all duties incident to the office of the Treasurer.

3.5 Student Member - A Student Member is a Regular or Associate Member attending school as a full-time student during the ~~DUES calendar~~ year, in which his dues are paid. He shall have voting rights only after he has reached 18 years of age.

DURING THE DUES

3.7 A Regular or Associate Member who attains the age of sixty two ~~in the calendar year in which his dues are paid~~ shall be exempt from any and all special assessments levied by the society. Their membership fee shall be limited to the membership assessment as defined in Article 9 Section 1.

DUES

7.1 All officers of the society shall serve for one ^Vyear ~~from date of election~~ and are limited to two consecutive terms in the same office.

DUES

9.1 Membership assessment shall be forty dollars per ^Vyear. ***THE DUES YEAR BEGINS NOVEMBER 1ST AND ENDS AFTER OCTOBER 31ST.***

DURING THE DUES

9.7 A Family Member who attains the age of 18 ~~in the calendar year during which his dues are paid~~ shall pay only an annual assessment of thirty-two dollars. The total assessment for one or more Family members who are all in the same immediate family and who have not attained the age of 18 ~~in the calendar year during which their dues are paid~~ shall be sixteen dollars. ***DURING THE DUES***

SYRACUSE SYMPOSIUM

On January 26th the Central NY Model Aircraft Association will host it's 15th annual show and symposium at the NY State Fair grounds in Syracuse.

This is an excellent way to break up the cold winter, make some new friends, see some old friends, and spend a day talking about airplanes.

Maybe we can get some carpools together at the January meeting.

MALL SHOW

Our second biggest event of the year is upon us, the 9th annual mall show. We will be passing around the sign-up sheet again in January. We need people to tear down Sunday. We also need lots of airplanes for display and we can always use more help on Saturday and Sunday. If you signed up in December, see the enclosed schedule to refresh your memory on what you planned to do.

We will be setting up on Friday, the 18th starting at 9:00 PM.

We are still looking for a combination TV-VCR we can use for the show!!

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Mall Work Schedule, 1991
January 18-19-20

At the December meeting we passed around a sign up sheet for workers at the upcoming Mall Show. Printed below is the schedule. If you did not get a chance to sign up, or were not at the meeting, you will have another opportunity at the January 15th meeting. You can also call me at 754-5658 if you would like to add your name but will not be at the next meeting.

setup Friday: Terry T., Geo. K., Jerry Sk., Len W., Wynn A.,
(11) Bill U., Tony C., Jim Mc., Jerry B., John R., Bob N.

teardown Sun: Terry T., John C., Herb S., Wynn A., Bob N.
(5) More help will be needed!

supply planes: Nearly everyone. Feel free to take anything you
want to display.

Saturday 9-1: Terry T., Mark L., Jerry Sk., Wynn A., Charlie L.
(5)

Saturday 1-5: Terry T., Mark L., Wynn A., Tim R., Chas L.,
(5)

Saturday 5-9: Terry T., Geo K., Mark L., Chas L., Jim Mc.,
(5)

Sunday 12-3: Terry T., Mark L., Herb S., Wynn A., Jim Mc., Matt S.
(6)

Sunday 2-5: Terry T., John C., Mark L., Herb S., Wynn A., Tony
(9) C., Jerry B., John R., Bob N.

A.G.S. First Club Flights for 1991

A group of AGS members got together for a New Year's day fun fly. The group gathered at Vestal Moore Park to get in their first flight of '91 and generally enjoyed the nice day. To add the enjoyment of flying, several ladies provided food and beverages which was readily consumed by the hungry fliers. Thanks to Bonnie Punkar, Lanny Noll and Polly (apology for absence of last name) for their time and efforts on this cold, but sunny day. The roster of folks that put in at least one flight follows. FYI the temperature was 30 F and the wind was 5 to 10 knots. Flyers in order of placard signature:

Bob Frey
Tim Rogers
John Raney
Ralph Jackson
Jerry Skreckoski

Bob Noll
Bob Punkar
Bill Underkofler
Jerry Bernhardt
John Cioci
Scott Anderson

Tony Cammarata (skis)
Wynn Aker
Bob Johnson
Larry Schenk
Jim McKeown



CENTRAL NEW YORK MODEL AIRCRAFT ASSOC.

15TH ANNUAL SYMPOSIUM and MODEL SHOW

Saturday, January 26, 1991
9 a.m - 5 p.m.

New York State Fairgrounds
Art and Home Center
Syracuse, New York

Modelers and Public Invited

ADMISSION:
ADULTS: \$4.00 STUDENTS AND SENIOR CITIZENS: \$3.00 UNDER 5: FREE

**MODELING DEMONSTRATIONS
DINNER SATURDAY NIGHT FOLLOWING SYMPOSIUM
CONCESSION STAND
SEE: FLYING DEMO (Weather Permitting)**

**A M A DISTRICT 2 MEETING
HOSTED BY: JOHN BYRNE**

Contact: GLENN CADY CNYMAA PRESIDENT PH: 315-638-0492

Aero Guidance Society, Inc
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