

# 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: **Joseph Felice** Vice President: **Frank Gioffredo**  
Secretary: **Michael Pelliccotti** Treasurer: **Grover Ellis**  
Board Member: **Richard Allen** Board Member: **Robert Punker**  
Past President: **Robert Noll**

Volume 20

Issue 6

June 1989

NEXT MEETING: June 20, 1989 @ 7:30pm

Place: NYSEG

## AGS CALENDAR OF EVENTS

DATE	TIME	PLACE	EVENT
June 20	7:30pm	NYSEG	Regular AGS Meeting
June 27	7:30pm	201 Hopper Road Annex	Scheduled board meeting
July 18	7:30pm	AGS FIELD	Regular AGS Meeting
August 15	7:30pm	AGS FIELD	Regular AGS Meeting
August 20	11:30am	AGS Field	Intra-Club Contest and Picnic
" 22	7:30pm	201 Hooper Road Annex	Scheduled board meeting
Sept. ?	TBD	Greenwood Park	Greenwood Park Float fly (Tentative; contingent on board and membership approval)
Sept. 30	TBD	Damascus	Damascus Float-fly
October 8	TBD	AGS Field	Glider and Electric Fly

NEXT CONNECTOR PUBLISHING DEADLINE IS June 30, 1989

PREZ SEZ.....by Joe Felice

Sometime after the June meeting, the lock and combination to the main gate will be changed. Those with current memberships will find the new combination on their mailing label. If it is not on your label then you must see Grover Ellis, treasurer to discuss your membership status; also those of you with current memberships, but no sticker, can catch me at the field or Grover at

At the last meeting, the board decided that every associate members voted to membership (regular, senior, junior) would receive a club patch upon payment

During your trips to the flying field take time to read and understand the field rules. Also, understand that we imposed a sound limitation of 98db upon ourselves which we are all supposed to meet by this flying season. I own a db meter and a tack; and plan to carry them to the flying field whenever I go. If you would like to take an unrecorded sound level reading, I would be happy

Lastly, it will soon be time to choose a Nominating Committee so please contact me if you are interested in serving on this committee.

**Note that the July and August meetings will be held at the field.**

**Program For June.** Bob Noll will discuss Techniques of Designing and Building Foam Wings.

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**Safety Corner.....by Tony Cammarata, Editor**

**Frequency And the 3IM Bugaboo.** With the "frequently changing" Frequency Rules and guidelines it's no wonder there is general confusion about them. I know that I always have to review the "AMA Regulations" regarding our authorized frequencies. I also find myself constantly reading any article dealing with the subject. That accounts for a heck of a lot of reading just to keep up with the darned rules. Anyway, a flier needs to have at least a minimum understanding of how the system works to protect himself and fellow fliers from an avoidable accident. So when you fly at the AGS field use the flying procedure in place. Understand that the frequency groupings are for both your protection and your fellow club members protection from 3IM (3rd level Interfrequency Modulation). This is where two frequencies in the same group beat against eachother to produce a 3rd frequency that is in an immediately adjacent group. This is not good for the guy flying in that adjacent group as it would likely cause him to lose control of his plane (and it could happen to anyone of us). So **KNOW** how to use the frequency "board".

**Noise And Your Hearing.** Boring topic? Well I'll keep it short. A recent article in the newspaper (filler info) stated that it has been determined that sound levels above 85db are hazardous to your health, i.e. potentially damaging to your hearing. It went on to say that most teenagers are aware of the fact, but choose to ignore it. Ed. note: for some of us it is already too late (to ignore it).

Have a safe summer....T

### **Safety Is No Accident; Make It Not Happen!**

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Continuation from April Connector : "Frequency" Asked Questions. (Excerpted from AMA National Newsletter; the subject was on the New RC Frequencies.)

Q. What are these guidelines I have heard about?

A. The Academy, through its Frequency Committee, developed a set of operational guidelines that would set the required specifications for radio equipment to function in a 1971 environment. These specifications are very comprehensive in nature and were the result of field work, committee studies, and research accomplished by a independent agency. The guidelines were provided to RC industry for their consideration. They have been given support in their implementation by the newly formed Radio Control Manufacturers' Association (RCMA). The complete text can be found in your AMA Membership Manual.

Q. In a nutshell, what are the specifications the AMA is looking for in the Gold Star transmitter checks at trade shows?

A. In order for a transmitter to be classified "narrowband" and acceptable for 1971 operation by the AMA, it must not be more than + or - 1500 Hertz off its stated channel center frequency. In addition, the side bands must be at least 55 db down at +/-20 KHz out from the stated channel frequency. Many of the newer transmitters checked meet his requirement.

For use on channels 38-56, 40 KHz spacing "broadband" requirements are acceptable. For this, the transmitter must be within + or - 3500 Hertz and at least 35 db down at +/-20 KHz out. If your equipment is outside of these specifications, it should be serviced.

Q. Why do we need 50 frequencies? Our club only flies four models at one time! A. Few RC clubs need 50 frequencies (Ed. note: do you know any?). No one is suggesting that you have to use all of them at your field. They were given to modelers by the FCC because, in some areas, particularly large metropolitan centers, commercial use of the in-between frequencies (frequencies 10 KHz away from ours) may prove to be interference causing. Should that be the case, a few frequencies may have to be avoided and others of the 50 used. Having 50 to choose from means your club can pick whatever frequencies can be used in your areas without outside interference. (Continued next month.....)

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#### Guests At April Meeting.

Matt Struck -- Box 5302 Long Creek Rd, Apalachin N.Y. 13732  
Woody Warner -- Box 213B Rd 2, Endicott, N.Y. 13760  
Scott Seaman -- Box 275 River Road Rd 3, Binghamton N.Y. 13901

#### New Associate Members.

Leonard Wieczorek -- P.O. Box 561 Post Trailer Park, Lot 113  
Apalachin, N.Y. 13732  
Ray Aldridge -- 709 North Elmira Street, Sayer Pa. 18840  
Matthew Seward -- 3603 Struble Road, Endwell N.Y. 13760  
David Conklin -- 531 Central Street, Endicott N.Y. 13760  
John Kennedy -- 3707 Wrath Avenue, Endwell N.Y. 13760

#### New Regular Members -- None.

#### New Member To Be Voted.

Tom Kennedy -- 1013 Imperial Wood Drive, Vestal N.Y. 13850

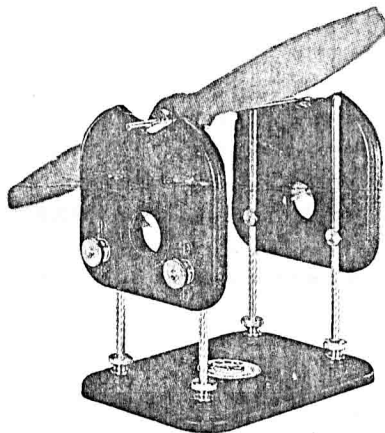
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#### Letters To The Editor. This month none.

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#### #499 Tru-Spin Prop Balancer

Du-Bro is proud to announce the introduction of our "New" Tru-Spin Prop Balancer. The Tru-Spin Balancer is completely adjustable for large & small props, helicopter blades, jet fans, car wheels, and even motor gears. The lockable adjusting cone of the balancing shaft gives the Tru-Spin a "sure-hold-grip" to insure the precise balance you need. The sides and base are made of injection molded plastic and all other components are precision made screw machine parts making the Tru-Spin Prop Balancer a precision instrument at a competitive price!



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# AGS MOWING LIST 1989

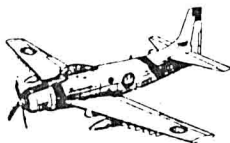
The AGS field rules require the presence of two club members for operation of the tractor.

This mowing list has two entries for each week. The teams signed up should include an experienced tractor operator. The members signed up for mowing will be responsible to find a replacement if for some reason they can not mow on their assigned date.

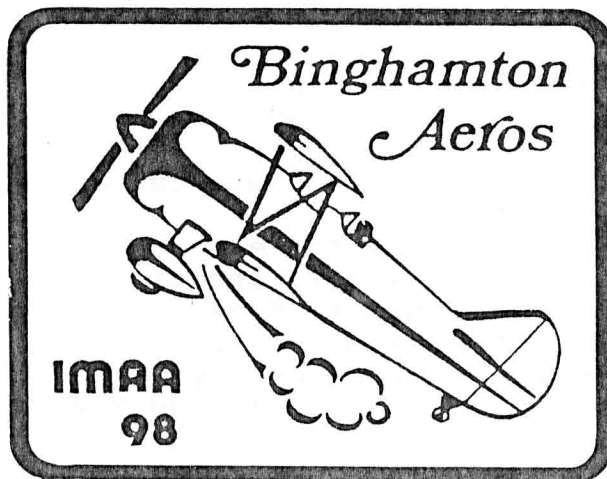
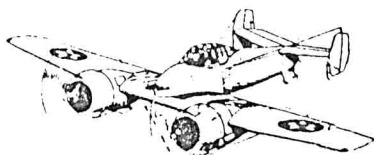
The field should be mown between Thursday and Saturday noon. Friday evening should be avoided until after JULY 7 due to the flight training course.

THURS	SAT	EXPERIENCED OPERATOR	TRAINEE
May 25	May 27	STEVEN WOOD	ART ROYCE
June 1	June 3	TONY CAMMARATA	TOM SOCHA
June 8	June 10	AGS Contest at SAYRE	We Mow There
June 15	June 17	CHARLES LECHER	MARK LECHER
June 22	June 24	TERRY TERRENOIRE II	SCOTT ANDERSON
June 29	July 1	BOB NOLL	JERRY BERNHARDT
July 6	July 8	TODD KOPL	TOM KOPL
July 13	July 15	BUD GRANT	ELWIN SPENCER
July 20	July 22	DICK FISH	BUD KISHPAUGH
July 27	July 29	JOE FELICE	FRANK GIOFFREDO
Aug 3	Aug 5	RAY YAEGER	TERRY TERRENOIRE III
Aug 10	Aug 12	JERRY SKRECKOSKI	WYNN AKER
Aug 17	Aug 19	DICK ALLEN	RALPH JACKSON
Aug 24	Aug 26	EDWIN HALL	JOHN MROZINSKI
Aug 31	Sept 2	BOB PUNKAR	GEORGE KELSEY
Sept 7	Sept 9	TERRY TERRENOIRE III	SCOTT ANDERSON
Sept 14	Sept 16	ELWOOD CAMPBELL	MICHAEL PELLICCOTTI

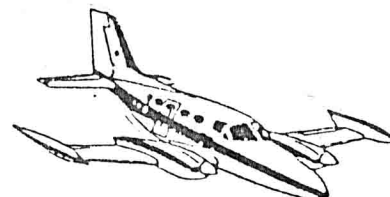
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**EVENT MANAGER**

BOB DENCE  
82 New York Ave  
Johnson City, NY 13790  
607-797-6702





# BULLETIN!

# BULLETIN!



## RC FREQUENCY

During a meeting of the AMA Executive Council on Saturday, May 11, 1989, a petition to the FCC on the matter of "narrowbanding" was presented for consideration. It was approved unanimously by the Council and was filed with the FCC on Monday, March 20, 1989.

The petition is very simple in nature. In effect, it has a singular intent; to guarantee that transmitters manufactured at some date in the near future will meet AMA's 1991 Guidelines. This will be the giant step required to provide for operations at 20 KHz spacing so that the full spectrum of FCC assigned frequencies can be utilized. It also sets the stage for eventual movement toward **total** "narrowband" guideline equipment, incorporating improved receivers as well.

Much misinformation and conjecture has been heard recently concerning what might happen in 1991. Actually, that is not a magic date. Coaches will not turn into pumpkins and old radio units will not dissolve to dust. The January 1, 1991 date simply signifies the end of the period designed to phase in all the frequencies which were assigned to service in 1982. It had been hoped that by 1991 all RC model aircraft in use would be capable of operating at a 20 KHz spacing. It appears at this point that such a goal is premature.

The immediate concern is what course of action the FCC might take with the petition. There are, in fact, three possible scenarios. The first is that they refuse the premise of the petition. That would have tragic consequences since we probably would never be able to affect full frequency usage and it would leave us much more vulnerable to commercial interference. We would have no protection against **new** RC equipment which could be introduced for sale that would meet current FCC specifications, but would not work in the present radio environment which needs narrowband operation.

The second scenario would involve the FCC acceptance of the "narrowbanding" concept to be applied to all transmitters manufactured from the date of rule effectivity, with provisions for a reasonable period of time allowing use of existing transmitters. This scenario has been the traditional course taken by the FCC. The last scenario could develop if the FCC perceived a severe operational or safety problem with the continued use of older equipment, resulting in their requiring that **all** transmitters be "narrowband" at some early date. The past history of the FCC does not suggest that this action would be taken.

The petition submitted to the FCC by the AMA **does not** contain reference to any grandfather period. Since such a period is a strong likelihood, the Academy is developing recommended ways that clubs and individuals can use to operate with a mix of equipment. When the final FCC decision is made we can then be prepared to meet any contingency. It should be noted that the FCC rule making process typically takes a minimum of 9 to 12 months. As a result we will probably be well into 1990 before final decisions can be made.

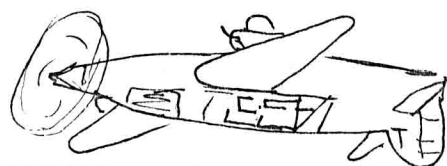
In any case, the Academy is not attempting to mandate the obsolescence of equipment. AMA is simply striving to create a safe, enjoyable environment for radio control flying. It is not an easy task. With your patient understanding and the cooperation of the FCC and manufacturers we believe our goal can be accomplished with a minimum of sacrifice on the modelers' part.

Much More Soon!

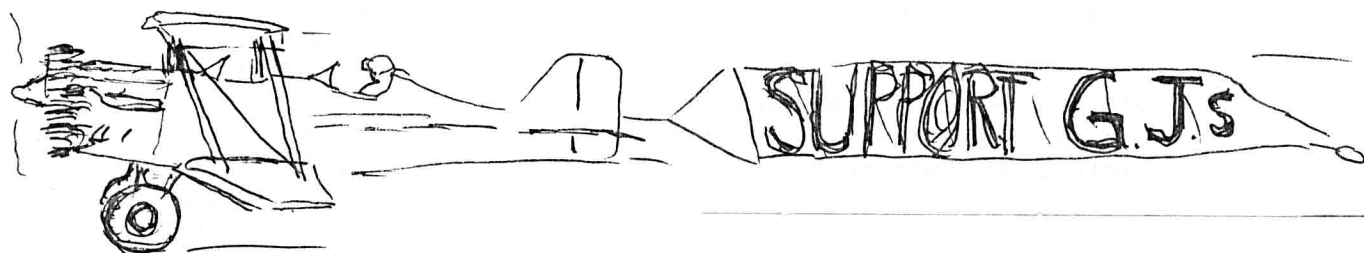


MARCH 1989





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