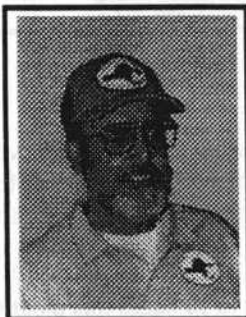


# CONNECTOR

A Publication of The AeroGuidance Society

December, 1993



Prez Sez...

**TONY  
CAMMARATA**

Well, Thanksgiving is now over and I assume we are all well stuffed! I trust that you all enjoyed your traditional Thanksgiving dinner with all the fixings.

Mrs. Ruth Hall has donated \$250.00 to the AGS On behalf of the entire AGS membership, thank you Ruth for your generosity. We sincerely hope you enjoy good health and wish to extend our best wishes to you for the holidays.

It is a pleasure for me to announce that the AGS has been awarded the Gold Level Leader Club Award by the AMA. This was a program initiated by the AMA to inspire clubs to challenge themselves. The AGS, under the leadership of the past administration, did an outstanding job to accomplish and satisfy all the requirements to attain the Gold Level Award. Read about it elsewhere in your Connector.

Our next club event is the Christmas Dinner. Plan to come to the dinner. If you can make it, get your bucks to Tim Rogers pronto. For those of you that could not make the last meeting (the annual auction), the AGS field is now "closed." This simply means that all of the equipment, benches etc. are stored out of the weather. The field itself continues to be available for flying, weather permitting. The last time I was up to the field it was muddy, even though it had not rained in several days. So, if you go up to the field proceed with caution and keep your vehicle on the "firm" stuff. With only a month to go to the New Year's Day Fly, you should be dusting off your snow bird. Assuming that it snows, skis will be the order of the day. If you don't have skis, this is a good time to start making them (assuming you want to make them as opposed to purchasing them). Snow flying at Moore Park can

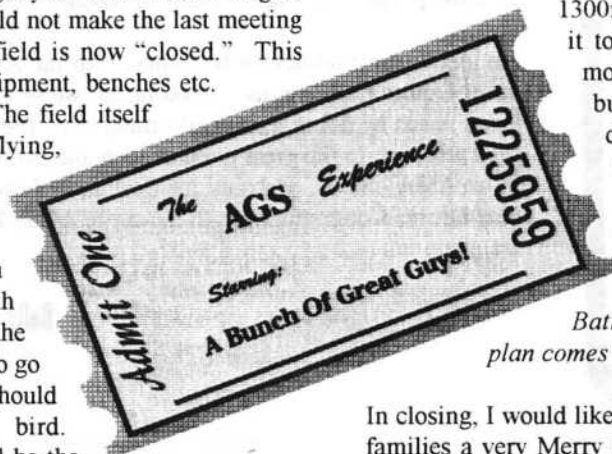
be a blast, weather conditions permitting. Personally, I enjoy winter flying almost as much as summer and spring. For one thing, there are no bugs to bug you. Secondly, no take-off or landing is neater than one on snow on a sunny day.

I was in a quandary as to how to properly charge a 4000mAh glow plug heater that I bought at G.J.'s. After mentioning this problem to Ralph Jackson, he said "Oh, that's easy: let me show you." What Ralph showed me was a charger he had built specifically for charging this beast. The beauty of it is that you can design it to charge "any" capacity "modeling" battery. You also get a bonus in that the single-pole double-throw toggle in the circuit gives you the proper constant charge rate for those McDaniel glow plug heaters that are very popular these days. How would you like to build one? Well first you should know it is not an "el Cheapo." Simple it is, but cheap no. I say it is simple because electronics is not my strong suit; in fact, for the benefit of you bridge wizards, it is my void suit! The cost to me was about forty bucks. However, it certainly can be done for less by substituting parts you might have lying around in your personal electrical junk box or by improvisation. It can be built in about three hours, from start to finish. I say "can be" because I frogged through it in about eight hours (on and off during one day); so it is probably closer to four hours of building time. Of course, there are those of you out there that will build it in 30 minutes without the need for a schematic at all. I am not talking to you guys! This is a simple circuit almost anyone can understand. This simple circuit has the added advantage of being customized for your specific requirements. Thus, if you wish to have it service a 1200mah,

1300mah or 1700mah battery, you can alter it to do it right (charge that is). So next month I promise you an article on how to build it, complete with schematic diagram, parts list and a picture or two....and suggestions on how to build to suit; how about that! (Ed note: This will coincide nicely with the Tech Tips scheduled for January on The Care And Feeding Of NiCd Batteries. Don't you just love it when a plan comes together!)

In closing, I would like to wish everyone in the AGS and their families a very Merry Christmas and Happy New Year. See you next in 1994!

**TONY**



The **CONNECTOR** is  
published monthly by:

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# From The Editor ...



This month is a very busy one: just look at the calendar to see what all is going on over the next few months, and throw in Christmas and New Year's, to boot! I hope Santa brings all the good R/C boys and girls their dream airplane and engine, complete with 25% nitro fuel.

This CONNECTOR issue is also a very busy one. Even going to 10 pages this month (the max for one stamp) I had to cut out some things that I wanted to include. My apologies to professor Einstien: his TECH TIPS column on NiCd batteries will be postponed one month due to space considerations. I have another subject potentially lined up for January that if received, must go in at that time, so batteries might even slip to Feb. These are the kinds of problems I like to have though, because it means that people are writing and lot's of stuff is going on. Nice problems to have. Response to the new CONNECTOR format has been very positive so far, and I continue to welcome input on format and content. As I learn more about some of the software I have, I'm figuring out nifty new ways of expressing myself. I am in the process of figuring out how to get inputs from everyone via modem, so maybe we can eliminate the need for dropping off stuff at GJ's and reduce contributions to the Post Office as well.

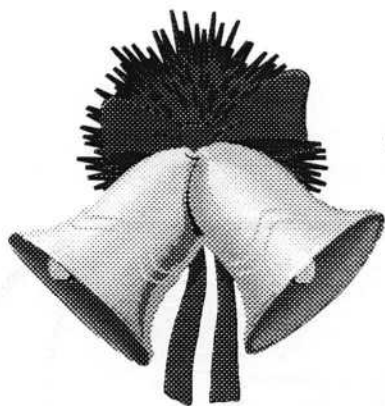
Check out the articles from Steven Bard on the Indoor Meet in January at the Hooper Annex, Bob Noll on Advanced Building classes and on helping out sore feet and legs, a letter soliciting interest in "R/C TV," the Mall Show, and a partridge in a pear tree. Also check out the sign-up sheet for the Mall Show: right now we're a little light on help late Sunday and for tear-down. Please help out if you can. I've been asked questions regarding quality and quantity of airplanes and such. The answer is: bring it! There is no minimum quality or quantity. Likewise, there is no maximum, either, so bring as many as you like. For those of you who haven't helped out in the past, it can be a lot of fun to shoot the breeze with the people walking by, many of whom you may already know.

Pay particular attention to the letter from the AMA on the AGS having received "Gold Level Leader Club" status. If you recall, we set out last year to meet the criteria for Gold Level status by doing a few extra things like the raffle for CHOW and such. It has now been received, to the great pride of each and every one of us. We should anticipate a visit by an AMA official, probably Joe Beshar, to deliver our award and individual pins in the near future. Congratulations to the entire AGS! Let's keep our sights on doing it again in '94.

**Belly Aker**

The next Connector publishing deadline is January 4, 1994. Articles submitted for interest, advertisement or announcement should be addressed to the Editor, and will be considered on a space-available basis





*Merry  
Xmas*

## AGS INDOOR FUN FLY

by Steven Bard

There was considerable interest at the meeting this summer past when I presented a program on Indoor Flying, and also many requests to coordinate an informal AGS Indoor Fun Fly. So, succumbing to popular demand, here it is: The First Ever **AGS Indoor Fun Fly**, from 1:00pm to 5:00pm on Sunday, January 16th. I have secured the use of the Gym at the Hooper Annex, across from Burger King in Endwell, which is not a bad site: it's a little small, but it has a smooth ceiling and no forced air heating. I will bring the balloon to knock loose any errant craft from overhead grabs, and all you have to bring is your interest, your craft, \$1.00, your AMA card and your thanks to the Town Of Union, especially Barbara Hawley for allowing us to use the facility. In fact, as many people as possible should attend, in order to show our support to each other as well as to the Town. Even if you haven't built an indoor craft, please come out and watch the rest of us. AMA membership is required, and your number will be taken at registration. A suggested list of possible types of planes would be:

*Bostonian  
Mini Stick  
Intermediate Stick  
Indoor Scale  
Penny Planes  
or, make up your own category*

I have included two plans for your consideration: one is a popular novice model called the P-15 taken from an indoor magazine, and the other is one I designed on ModelCAD. Either one will suit your needs for this meet. Prizes for the day will consist of The Thrill of Victory and your name in the CONNECTOR. Special Note: Wear shoes suitable for a gym. Remember: if you don't have fun you can't come. I'll bring two winders and the balloon. See 'ya there!

Steven



## Calendar Of Events

### December 11

*Annual Christmas Banquet, Jonathon's  
Restaurant, Endwell. Social Hour  
6:30. Dinner 7:30*

### December 21

*AGS Regular Meeting, Vestal  
American Legion. 7:30 P.M.*

### January 1, 1994

*Annual New Year's Day Moore Park  
Snow Fly. 11:A.M. - 3:P.M.*

### January 8,9

*Annual Oakdale Mall Show. Setup  
on Friday night at 8:P.M.*

### January 18

*AGS Regular Meeting, Vestal  
American Legion. 7:30 P.M.*

### January 22

*OTMMA Symposium, Horticulture  
Building, NYS Fairgrounds, Syracuse*

### January 24

*AGS Board Meeting, Tony  
Cannarata's house. 7:30 P.M.*

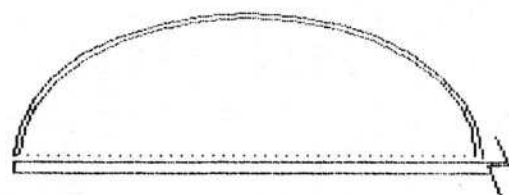
### February 13

*Annual Moore Park Snow Fly.  
11:A.M. - 3:P.M.*

**All Monthly Regular Meetings Are Held On The Third  
Tuesday Of The Month At The Vestal American Legion.**

## Wright Brothers First Flight 90th Anniversary This Month!

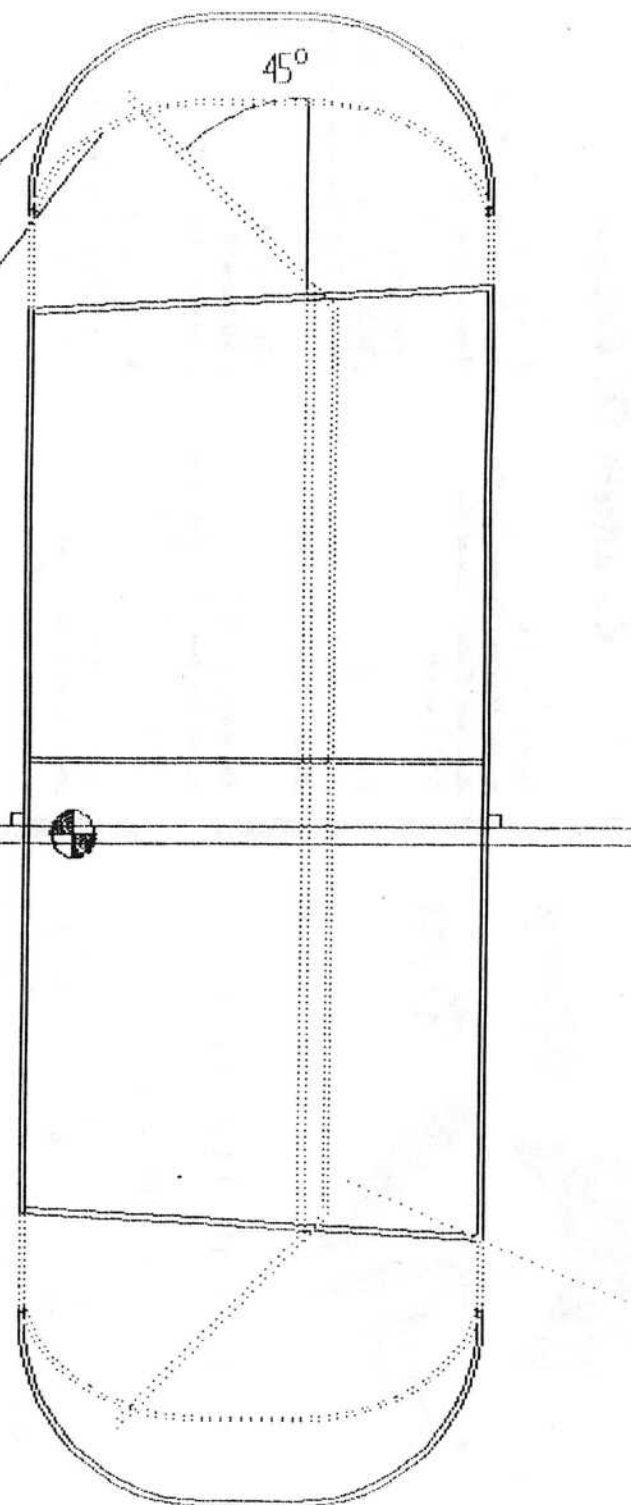
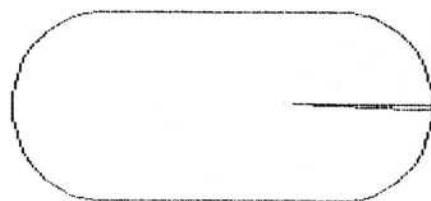
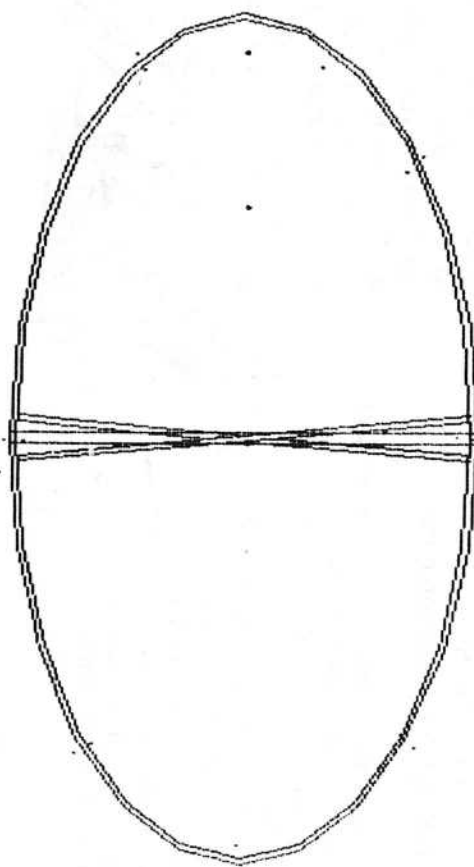
(AP) KILL DEVIL HILLS, N.C. Dateline: Dec. 17, 1993. This month marks the 90th anniversary of the Wrights Brothers' historic flight in this scenic, windy part of the Eastern U.S. seaboard, according to experts quoted here. Un-named sources within the Pentagon claim: "Why if'n it weren't for them there Wright Brothers, ain't none of us would have us a job, now would we? Shucks, we'd still be throwin' hand grenades back and forth in the mud. Now, we've got these here newfangled flyin' machines, and we can pay mega-bucks to defense contractors just to make sure we can drop bombs from 'way up high!" Descendants of the Wrights have agreed to make public secret family diaries, never before released to the general public, which are purported to reveal that it was all just a hoax by Pentagon officials in cahoots with aliens from outer space. One journalist has even discovered a secret high-speed jet that Wilbur and Orville had kept from prying eyes, since the technology was accidentally revealed to them inside an alien Cracker Jacks box. For a great article on a more factual basis, read the December, 1993 issue of *Model Airplane News*.

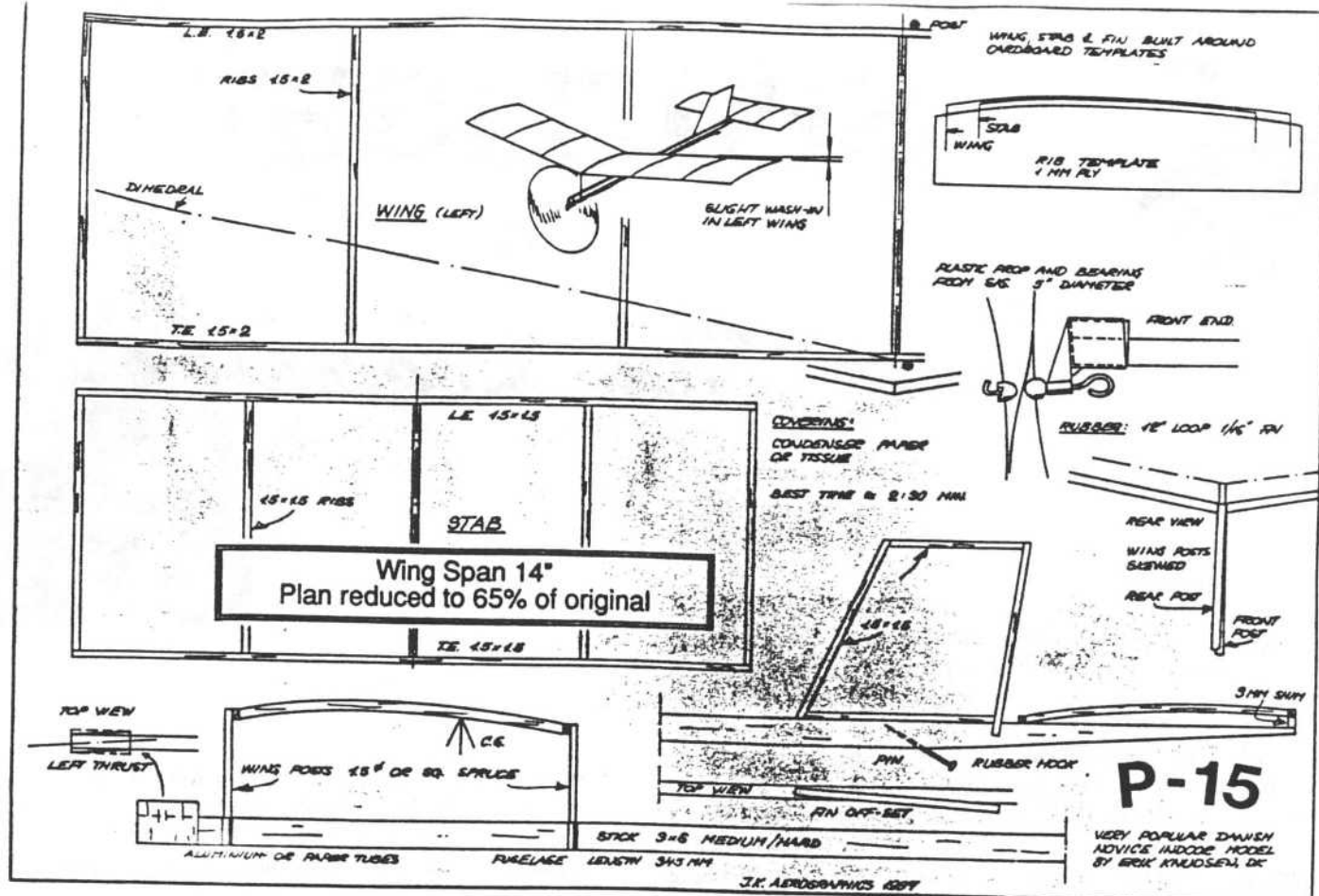


Wing tip flat

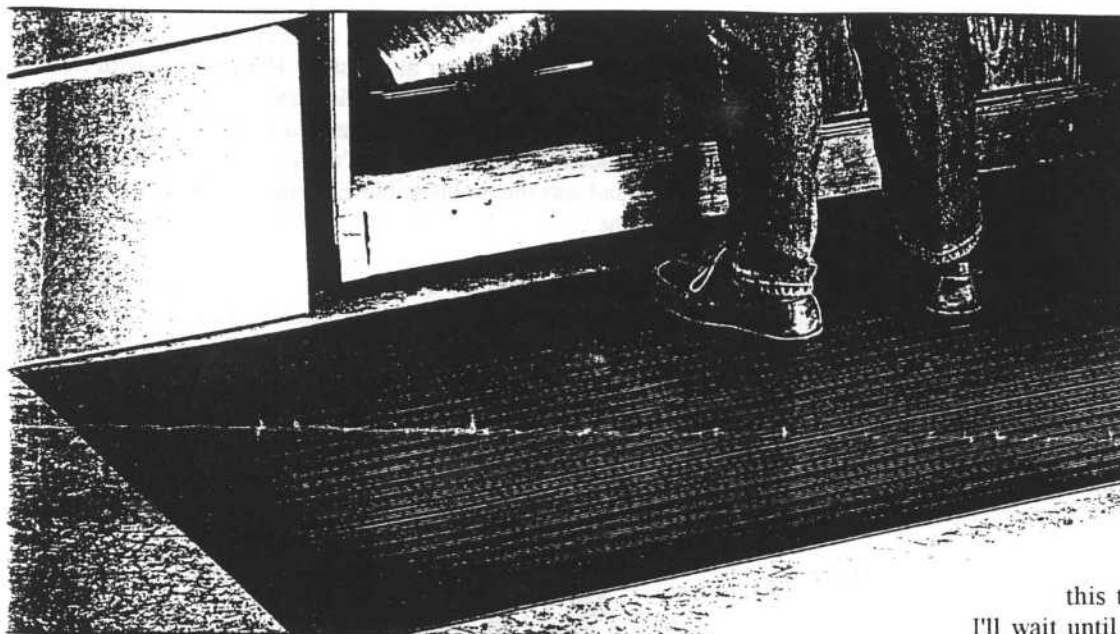
Wing tip projected

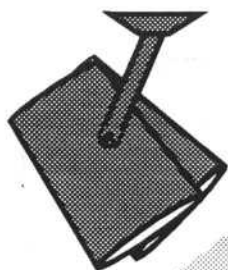
PROP: 6" diameter, 45 at 125"  
warp blade around 3" glass  
at 15 degrees





## FATIGUE FIGHTING FLOOR MATS FOR YOUR SHOP





# SPOTLIGHT

on

## Tim Rogers



Greetings, fellow AGS members, from your new Vice-President. This being my second chance at this post, serving previously in 1990, maybe I can get it right this time!

My family and I have lived in Vestal for the past five years, having moved here from the Pittsburgh, PA area. My wife, Patricia, and I are both employed at Wilson Hospital as perfusionists. "What is a perfusionist?" you ask? A perfusionist is the allied health professional who operates the heart and lung machine during open-heart surgery. I am 43 years old, and was born in Gouverneur, NY, which is about a one-hour drive north of Watertown. My parents operated a dairy farm in Gouverneur which was owned by my father's parents.

During my early childhood, I have some memory of riding on my mother's lap in my father's Waco UPF-7, which he flew for the Civil Air Patrol from a pasture on the farm. Later on, as an adult, I was told by an uncle that there was usually a spot of oil on the ground beneath that Waco. This "oil on the ground" discouraged many would-be passengers! In 1956, we moved to the Cape Canaveral area of Florida where I grew up with my four younger brothers and one sister. In Florida my father worked for Convair during the early days of the Atlas ICBM program. During those early days of the space program, I saw many of the historic launches from Cape Canaveral including John Glenn's Mercury flight, the first Saturn launch and many others.

My first experience with model airplanes came during those adolescent years. My first model was a control-line stunt design whose name escapes me (*Age shows here!* - Ed.), which was powered by a McCoy .19. My skills were such that crashing was the rule, rather than the exception!

My college education was at Florida State University and later on at the University of Houston where I majored in Geology. I lived, worked and attended school in the Houston, Texas area for 11 years. My first job as a perfusionist-in-training was at the University of Pennsylvania in Philadelphia, PA, where I spent one year. In 1983 I moved from Philadelphia to Pittsburgh after

marrying Patricia. In Pittsburgh I worked for a nationwide contractor which provided perfusionists to various client hospitals around the country. Our three children were born during this six-year period in Pittsburgh. Evan, the oldest, is ten years old. Leslie is nine and Lee is five. All three attend Our Lady of Sorrows School in Vestal.

My involvement in radio-controlled model airplanes began in 1984. I became a member of the Murrysville Area RC Society near Pittsburgh where I received a lot of support and encouragement during those early days of learning to fly RC. I was a slow student, who required almost a year to become able to fly without Ed Katchmar at my side. His patience with me was far greater than I deserved. My first trainer was an Andrews Big H-Ray which, on one occasion, landed in the pit area, scattering my detractors and damaging Ed's Kaos! I tried to claim that a crosswind was the problem, but Ed astutely pointed out that with me at the controls, there was no need for explanations.

My current interests in the hobby include the shoot-out style of Competition Fun Fly. My Coal Hauler has survived an entire flying season intact (Take that Terrenoire!). I also have some casual interest in pylon racing, R/C combat and pattern flying. Also, this winter, I am planning to build my first scale model, a Nieuport 11, from a Proctor kit.

**TIM**





## DECEMBER BIRTHDAYS

17th Bob Punkar    20th Tom Socha,    26th Al Tsardakas

\*\*\*\*\*

### FLOAT FLY

At the October Board meeting, I suggested that we consider a spring float-fly. In order to evaluate the practicality of this, we mailed 25 letters to recent attendees and asked for their comments and asked if they would attend a spring event. To date I have received 13 responses, all of which say they would support a May Float-fly. Now it is up to you! Do you want a spring float-fly? Will you support it? We will discuss the options at the December meeting.

\*\*\*\*\*

### GROUND SCHOOL

In December we will start the pre-meeting ground school. Although the discussions will be aimed at the beginner, anyone is welcome to participate. Following are the topics that will be covered during the next 4 monthly meetings:

**December:** Selecting the "right" plane, engine, and radio. We will include both ARFs and full kits.

**January:** Construction of the basic sub-assemblies and pushrod construction.

**February:** Assembly of sub structures, alignment of wings and tail, and joining methods for wing halves.

**March:** Covering, from silk and dope to plastics, over solid and open structures. Final pre-flight checks, CG, and control surface throws.

**Terry**

### COME FLY AT MOORE PARK!

Don't forget to come on out to Moore Park, in Vestal, for our traditional New Year's Day Snow Fly in the cold! Be the first on your block to fly R/C in '94. Join the rest of the sillies in fighting the cold, wind, snow or whatever may await us on New Year's Day from 11:A.M. to 3:P.M. Moore Park is next to Take-A-Break restaurant on Old Vestal Road, and basically behind Wal-Mart. Which is a point to consider from now on in terms of our flying behavior: make sure that you don't fly off to the south very far, or your aircraft could easily be over the Towne Square Mall. Any loss of control or failure could possibly cause a crash in a very populated area. Fly safely and with care when flying at Moore Park, as well as everywhere else you fly.

#### Some cold-weather flying tips:

Wear lots of clothing, insulated boots, wool socks and coats with no loose strings! Wear gloves suitable for controlling the radio transmitter. A neat way to do this is to buy a pair of felt shooting gloves and cut out the thumb pad, if you're a thumb flyer. Bill Underkofler recommends latex or vinyl gloves used for house cleaning and such, because it keeps the wind off the skin. Maybe a combination of both would be the best! Bring your own thermos of hot tea, coffee or soup for that extra bit of internal warmth. Most of all, come with the attitude that no matter what, we're having fun!



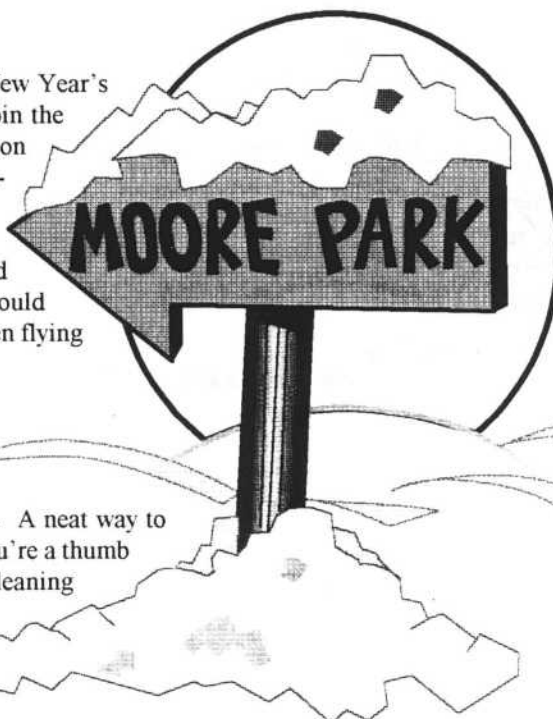
### ADVANCED BUILDING & FLYING CLASSES

As mentioned in the November Prez Sez, Tony has asked me to conduct a series of building and flying sessions aimed at the advanced club members. During the past year several members have approached me with a similar request and I had been giving some thought to doing this when Tony called.

The building sessions will be held one hour prior to each meeting in the same room as the regular meeting starting at the December meeting. Discussions WILL NOT be aimed at the beginners, who will be attending Terry's Ground School at the same time. The format will be unstructured to the extent that I will address any questions and problems that you may have. Of course, I will always have some things to talk about of my own just in case you're bashful. So come to our first session with your thoughts on how to make these sessions valuable for all of you who have progressed past the beginner status. We'll use this first session to get an idea regarding topics and areas of building that the majority want to learn more about. With the vast pool of building experience within this mature club, I may tap into that resource from time to time.

Of course the Advanced Flight School will wait until more favorable flying conditions are available in the spring, and we will decide at that time when we will be holding these sessions at the field. So, see you at the Legion at 6:30, prior to the regular meeting.

**Bob**



# AGS ACHIEVES LEADER CLUB STATUS - GOLD LEVEL!

Yes, we have received our certification as a Leader Club by the AMA, at the Gold Level. Last year we decided to embark upon the extra efforts necessary to obtain the Gold Level status by certifying our Safety Code reviews, promotion of the hobby and club to local schools, our 50-channel frequency program, our field safety practices and charitable activities. In particular, we had not done charitable activities in the past, and so we decided to do the "Build A Kit And Raffle It For CHOW" at last year's Mall Show. This activity resulted in the AGS contributing \$150.00 to the local CHOW organization, which is much-needed assistance in this area as in others. The members of the AGS

should be proud to be recognized by the AMA as a Leader Club, and at the Gold Level in particular. We have been recognized by the AMA in the past for other items: most recently the AGS was awarded the Club Of Excellence award on the occasion of our 35th anniversary. The AMA Leader Club award is an annual re-evaluation, and as such will necessitate our continued efforts in 1994 to repeat the award. Make sure to stay focused in 1994 on those things that are necessary to achieve the continued recognition.

Thank You to all of the members of the AGS for the hard work every day of the year. It's not just once in a while efforts that yield this type of award: it's every day leadership.



## ACADEMY OF MODEL AERONAUTICS

November 16, 1993

Aero Guidance Society, Inc.  
c/o Mr. Wynn Aker  
2022 Bernard Blvd.  
Endicott, NY 13760

Dear AMA Charter Club Members:

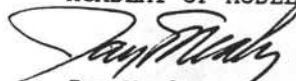
I would like to take this opportunity to congratulate you on qualifying for the AMA Gold "Leader Club" program.

Your District Vice President will be notified of your new status by forwarding a copy of this letter to him.

The awards for your club will be sent to him and he will be contacting you directly concerning their distribution.

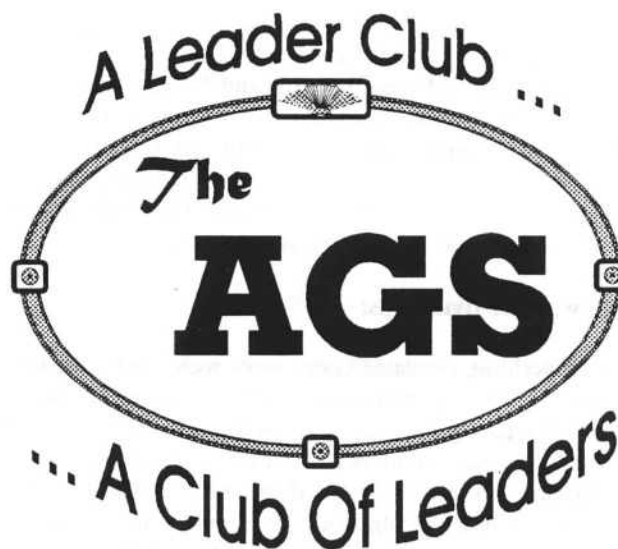
Again, congratulations on your new "Leader Club" status and thank you for your positive contributions to the sport of aeromodeling.

Best regards,  
ACADEMY OF MODEL AERONAUTICS

  
Jay Mealy  
Public Relations

JM/je

cc: Joe Beshar  
District Vice President





## January 8th &amp; 9th, 1994

## SPECIAL BENEFITS

1. Monthly TV show, (*R/C REVIEW!*) Props, jets, helicopters, gliders, cars, and boats! Special events, sport flying, scale meets, new product reviews, "personal interviews" (yours if you like) and more! (International events also!)
2. Discount products for every R/C'er!
3. Excellent ways to increase your hobby budget and/or just make money.
4. Special dealership program. ***FREE TO CHARTER MEMBERS!***

Would you be willing to purchase stock issues, pay membership fees or dues to help promote the **first R/C television show in history**? If you are interested, please fill out the enclosed questionnaire and return it **as soon as possible**!

(PLEASE FILL OUT AND MAIL)

Mail to:  
**R/C TV**  
2127 Foothill Blvd.  
Suite 163  
La Verne, CA 91750

## QUESTIONNAIRE

## INTERESTS

- ☐ SPORT  
☐ PATTERN  
☐ JET  
☐ HELICOPTER  
☐ CAR  
☐ BOAT  
☐ OTHER

☐ OTHER \_\_\_\_\_

## PARTICIPATION

- ☐ Charter Member Fees (*CHECK ONE:*)  
☐ \$75   ☐ \$120   ☐ \$160  
☐ Membership Fees (*CHECK ONE:*)  
☐ \$39   ☐ \$49   ☐ \$59  
☐ Purchase Stock Issues  
☐ Dues?   ☐ Yes   ☐ No  
☐ Monthly TV donation?   ☐ Yes   ☐ No  
☐ Newsletter Subscription/TV Schedule  
☐ Yes   ☐ No   ☐ \$4   ☐ \$8  
☐ Other

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ ZIP \_\_\_\_\_

Country \_\_\_\_\_

NAME \_\_\_\_\_

Your Contribution \$

Confidential      Publicized

<b>11th Annual Oakdale Mall Show</b> January 8th & 9th, 1994	
Wynn Aker	X
Bob Noll	X
John Asselta	X
Dave Lewis	X
Tim Rogers	X
Donato Martino	X
Jim Pecha	
Joe Felice	
Charles Lecher	
Mark Lecher	
Terry Terrenoire	X
Herb Spicer	X
Tony Cammarata	X
Steven Bard	X
Bill Underkofler	X

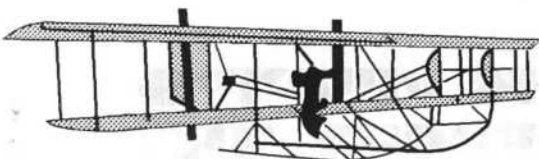


Merry Christmas

AeroGuidance Society, Inc.  
c/o Wynn Aker  
2022 Bernard Blvd  
Endwell, NY 13760

FIRST CLASS

Mail to:



Wright Brothers First Flight  
90th Anniversary Dec. 17, 1993