



AMA  
Chartered  
Club  
#1140



# The Tail Spinner

## Greater Southwest Aero Modelers

P.O. Box 1355

Bedford, TX 76021

<http://www.flygsw.org>

<b>President</b> .....	George Clark.....	(817) 457-9149
<b>Vice President(s)</b> .....	Jerry Stagner .....	(817) 726-1097
	Bob Leone .....	(817) 907-5432
<b>Secretary</b> .....	Craig Bevil .....	(817) 282-3340
<b>Treasurer</b> .....	Frank Mobley.....	(817) 461-2278
<b>Newsletter Editor</b> .....	Roy Baker .....	(817) 545-4031

*The Greater Southwest Radio Control Club is a nonprofit organization. Membership is nondiscriminatory and open to anyone who agrees to abide by Club rules. A condition of membership for insurance purposes is current affiliation with the Academy of Model Aeronautics (AMA). Our flying field is located on the North side of Randol Mill Road, 0.4 miles East of Highway 820 at N 32°46.895' W 97° 12.361'. Visitors are welcome whenever the gate is unlocked. Free flight training instruction is available to members from 6:00 PM to dusk on Tuesday and Thursday while Daylight Savings Time is in effect. Regular Club meetings are held on the second Tuesday of each month at 7:00 PM at the North Richland Hills Parks and Recreation Building, 6720 Northeast Loop 820, North Richland Hills, TX 76180 (on the corner of Rufe Snow and NE820).*

### President's Corner

I would like to thank everyone who attended the December Christmas party/fun fly and contributed items and cash to those less fortunate. We received many thanks from the "Toys for Tots", "Tarrant County Food Bank" and the Fort Worth Police Department's "Teddy Bears on Patrol".

Remember, our mall show will be in February. If you would like to help and/or want to have a plane at the mall, please contact Tony Trimarchi or any officer. There will be a notice of the exact date and time.

Membership enrollment will again be at Roy's Hobby in January. They had requested the suspension of enrollment during the high volume of business during the Christmas season. You can still join with an officer or at Airport Hobby till then.

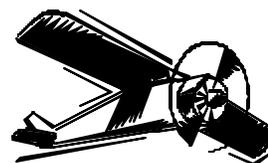
Thanks to all the members who have worked on maintaining the field and working the events this past year. Our club would not be the first class facility that it is without the help from our members. Visitors have complimented us on our facility, but they are most impressed with the friendly atmosphere of our members.

Now, on to a serious note. I need the help and advice from the membership as a whole. I'm having a problem with a member more concerned with their personal agenda than the membership's wishes. I need feedback from the membership in how to deal with this

problem. I will be starting the next meeting with a short talk and then welcome any discussion on this matter. If you would like to know more on this matter please contact me and I will supply further information. Please help me with this situation, if you are happy with the management of the club or would like changes. Please be involved.

We need any ideas for events for 2003. Contact any officer if you have any ideas. Remember, not just ideas, we also need you to work or run events.

George Clark  
trex14@charter.net



### Next Meeting:

**Tuesday**

**7:00PM**

**Jan 14, 2003**

### January Event Calendar

JAN 17-18--Georgetown, Tx (UnSanc) Sixth Annual Georgetown Aero Modelers Swap Meet. Site: San Gabriel Park Neighborhood Building, Georgetown, Tx. Table's are \$5 a day and admission is \$5 a day (spouse or under 12 with adult are free). 3 PM to 9 PM on Friday and 9 AM to 4 PM on Saturday. Concessions, door prizes, auction on Saturday, and raffle. Dealers welcome. Contact Edwin Smith, 14707 Evans Oak Rd, Leander, Texas 78641, 512-259-2978 or edwinsmith@juno.com or check out our web site at [http://www.geocities.com/gama\\_rc](http://www.geocities.com/gama_rc). Sponsor: Georgetown Aero Modelers #1813.

**FOR SALE**

EASY FLY 40, SAI TO .56, AIR-TRONICS RADIO RTF \$250.00

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CONTACT-----ERNIE WRIGHT  
(817) 656-3462



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**Tail Spinner Submissions**

Items for the Tail Spinner are due by the 25th of the month. Remember that ads are free to members. Send them to:

Roy Baker  
3303 Fox Glen  
Colleyville, TX 76034  
(817) 545-4031

(e-mail) [rbaker19@attbi.com](mailto:rbaker19@attbi.com)

## December Secretary's Notes

No Meeting in December. Come to the January meeting for an update on the December Charity Fun Fly.

### Safety in the Shop by Terry Booth

With building season at full 'throttle', I would like to take a little time to talk about chemical safety.

Specifically, we'll take into account the glues, paint, solvents, fuel, etc. If your building area is anything like mine, it's full of all these things! Most of them are harmful, even if used correctly, but even more harmful if they are improperly used or stored.

Among the many hazards, inhalation is very common. Breathing the fumes can cause a multitude of health problems, some felt immediately, and some may not become evident until later, such as headaches that just come on "for no reason." Most CyA glues cause a runny nose and watery eyes, as most of us have already experienced! Other allergic reactions are also possible. In consideration of inhalation, we must also consider some of the smaller "creatures" that live in, or near, your building area. If you have small animals, especially pet birds, you should be very careful because they cannot tolerate nearly as much as we can. It is best to use solvents and paint outdoors whenever possible. If you must use them indoors, it is of great benefit to open a window and/or turn on a fan to exhaust them out of smaller areas.

Skin contact should also be avoided whenever possible. Besides burns, rashes and just pure discomfort, chemicals can enter the bloodstream by absorption through the skin. If occurring frequently, these can build up in the body over time. Never wash your hands in solvents! These solvents can overwork the oil glands, which can lead to dermatitis. It is best to use rubber gloves when you can.

Eye contact can also be very uncomfortable along with possible vision damage. Safety glasses are a must in the shop. Have you ever splashed glow fuel in your eyes? Believe me, that hurts!

Flammability is another hazard to watch out for. Most all solvents and paints are flammable. They should be used and stored away from heat and ignition sources. This includes heaters, stoves, grinders, and even direct sunlight! It goes without saying, but I will anyway, that smoking is a very potential hazard while using or being around flammable chemicals.

I have seen metal containers rust and leak the contents on the shelf! I'm no chemist, but it seems possible for chemicals to react with each other causing toxic fumes, or even an explosion? Let's clean out those cabinets and shelves and discard safely those chemicals that we have not used for years.

It is also very important to keep all chemicals out of the reach of children. I know a modeler whose child drank some glow fuel! The child is okay now, but the modeler flies Electric now! No joke.

Material Safety Data Sheets are available with most all chemicals. You usually have to ask for them. OSHA requires all businesses to have them on file and accessible for employees to easily access them in emergencies. This is a standard that we should consider following in our personal shops. We should at least read the labels on the containers so we know what to do in case of poisoning. Some say to induce vomiting while others say not to. If extremely dangerous chemicals are being used, it may not be a bad idea to alert other household members, to check in with you occasionally.

In case of poisoning, have the container handy when calling a doctor. They can help you faster if they know what they are dealing with.

I hope I have not talked too strongly about this subject, but it really does have potential to be deadly. Build safely.

*from Plane Talk  
Lexington Model Airplane Club  
Gerry Wagner, editor  
Lexington KY*

### FOR SALE

**84" Super Rookie with a Brisson 2.0 engine, servos and receiver ready to fly. This airplane is an experienced flier and needs a new home in 2003.**

**\$350**

**Call Stan Brock at 817-261-1150 if you are interested.**

### How to Reduce RC Engine Noise by Ron Scott

Here are some things I've learned over the years that may help you reduce noise levels.

Use a good muffler system. The original muffler should provide a good level of sound dampening - if the baffles haven't been removed. There are several after market mufflers available in various model magazines.

Add a rubber exhaust deflector. This can reduce noise from 1 - 3 dB in certain cases. It also extends the exhaust gas residue out a few inches from the airplane.

Use a larger prop. Increasing the prop diameter by 1/2 inch to one inch can have a 2 - 5 dB reduction in noise. Basically this slows down the engine rpm. [Tech. Ed. note: Important! If you have a damaged prop, it should be used for paint stirring. Only if there are very minor dings or surface flaws on a prop should the following suggestion be done. Clean and smooth, do not remove material.]

Clean and smooth prop. Clean edges will cut the air smoothly with less noise, whereas cuts and dings on the edges can cause friction and drag in the airstream—thus causing noise. I use 150 grit sandpaper for the rough areas, then 400 grit for finishing work. When you consider that a 10 inch prop at 10,000 rpm is traveling at 297 mph the aerodynamic profile of the prop makes a differ-

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*(Continued from page 3)*  
ence. A cut in the outer edge can cause a hissing sound and add to the engine noise.

Lower the Fuel's nitro level. For every 5% increase in nitro, expect a 1 dB increase in noise level. Reducing the nitro in the fuel from 15% to 5% can reduce the noise by 2 dB.

Keep the airframe tight. Often times, noises develop in the fuselage and/or wing areas due to mechanical resonances due to engine vibrations. This is often caused by loose hardware, wing braces, etc. Make sure all hardware is secure and tight (no loose wing ribs, etc.). Soft engine mounts can reduce or eliminate these noises by de-coupling the engine from the fire wall. This essentially lowers the resonant frequency and partially damps the high frequency vibration.

De-tune (richen) the engine's fuel mixture to reduce rpm. This obviously reduces power but the engine is quieter. Go from a two-stroke engine to a four-stroke engine. The four-stroke engines are usually quieter. The added benefits are worth the additional money. A four-

stroke engine is quieter, more fuel efficient, more reliable, and idles more smoothly. It also leaves a lot less oil residue all over the airplane.

*from Update*  
*Santa Barbara Radio Control Modelers*  
*Peter Nickel, editor*  
*Santa Barbara CA*

## Web Site of the Month

For this month, you might want to check our own AMA website at

**[www.modelaircraft.org](http://www.modelaircraft.org)**

if you haven't been there in a while. In addition to the standard "what's going on" and current useful information, there's a members only section with archived copies of MA from 1975 to 2000. You can also look at the 2001 financial statement.

The web store section has a good selection of all kinds of shirts, hats and other accessories to tempt you if you haven't spent all of your money at the hobby shop!

And of course, there's all of the forms and reference materials you would expect to find that are needed support clubs and members.

The AMA gets high marks from me for usability and content.

*Roy Baker, Editor*