



ACADEMY OF MODEL AERONAUTICS CHARTERED CLUB #1255

# SERVO CHATTER

A PUBLICATION OF:

ANOKA COUNTY RADIO CONTROL CLUB, INC.

JANUARY 2019

**THE MEETING ON THURSDAY, JANUARY 17 HAS BEEN *CANCELED***

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## VEEP REPORT

Freeze-fly WOES

I think the freeze-fly was a great success given it was another below zero day. There were more than a dozen pilots in attendance with all sorts of aircraft. I believe all were electric.

My only down side was I intended to fly my FLEX Cap 232. I specifically installed skis and readied it for a flight off the snow. It had other thoughts. For the first time since its initial binding it was not bound and after several attempts to re-bind without success I put it back in my truck! When I got back to the shop I immediately checked it and it was bound! No explanation and can't find the reason.

On a lighter note I was able to get a great flight on my old reliable Foam SMUD with skis and wish all my flying buddies a HAPPY NEW YEAR. I am hoping someone enters some pictures. Maybe next weekend for the CAP

Jeff Slater

## MEMBERSHIP NEWS

**SEASONS GREETINGS AND HAPPY NEW YEAR!!**

The Freeze-Fly is over but I did not make it. The temperature was too much for my aging body. I

stayed home and worked on my new plane instead.

Membership applications were included with the November and December newsletters that were mailed out. Members that read the newsletter online can download a membership application from the website. After January 31 a \$5.00 late fee will be added to your dues. This will also be the last newsletter that you will receive via snail mail because it is part of last year's membership. If you don't want to miss any of the newsletters, be sure you renew on or before January 31. If you don't have your AMA by the end of January you can send me your application and dues and I will mail you your ACRC membership card when you verify your AMA.

Anoka County R/C, St. Paul R/C and the other clubs in the area are working on their 2019 calendars. A complete listing of 2019 events and their dates will be published in future newsletters.

**TCRC ANNUAL AUCTION** - The TCRC auction will be on Saturday, February 2, at Cross Point Church on 98th and France in Bloomington. Registration starts at 6:45AM and the auction starts at 9:00AM. Go to the TCRC website for more information:

[http://www.tcrconline.com/pages/auction\\_seller\\_registration.htm](http://www.tcrconline.com/pages/auction_seller_registration.htm)

Big Sky Hobbies will be at the auction to take your hard earned money.

The next meeting on January 17 **HAS BEEN CANCELED.**

Stan Zdon

## A Look Back

### January 2001

18 Years Ago

New president Dan Stahn gushed about the wonderful members of the best R/C club in the world, ACRC. Perhaps that was before he had to deal with John S.

Freeze-Fly activities and participation lists filled a couple of pages despite the 5-degree temps.

A full page was dedicated to upcoming R/C events from February through August. Some were ACRC, others at SPRC, Tri-Valley, and TCRC.

### January 1991

28 Years Ago

“Gold stickered Transmitters are now required in ‘91” leads off the newsletter. The expanded list of available frequency channels has come to fruition. AM band and single conversion receivers are now “fly at your own risk”.

Bob Svare has been a busy boy lately by submitting articles on a fast field charger, a review of club member Ted Fruth’s bar graph voltmeter, a list of winter flying tips, and a How-To on DIY snow skis from a water jug and a block of wood. Necessity is the Mother of Invention.

Jeff Slater’s Who’s Who Columbus put the spotlight on Jim Peterson.

Tim Karash

## ACRC MINUTES

Board members Present

Virgil Okeson, Jeff Slater, Tim Karash, Stan Zdon, Brett Ohnstad, Bruce Martin

Members Present - 12

### Treasurer’s Report:

Income: \$776.00

Expenses: \$1990.29

Details of the treasurer’s report will need clarification at the next meeting.

### Membership Update:

24 renewals for 2019 so far.

### Training Update:

Training airplanes may need to be evaluated for next year and to find out who has which trainer planes.

Neil and Tom will not be available next year for training

### Event Update:

Freeze Fly on January 1 at 10:00 AM.

### Safety Report:

No issues.

First aid kit and fire extinguisher may need replenish or replacement .

### Old Business:

Picnic table available from Central Landscaping.. Frame only \$250.00, with oak \$499.00, with cedar \$599.00. To be evaluated in the spring.

Motion to table the table discussion until spring by Stan Zdon, second by Jeff Slater. Motion carried.

Dome flying in the Osseo dome on Tuesdays. Details in the MARCEE website.

### New Business:

Bob Moser has friend in CAP (Civil Air Patrol) and has put an event together at Fleming field on May 18th. He will need static display of model aviation, possible indoor flying and guaranteed hanger flying. See the December newsletter for contact information.

Indoor flying event on January 19 in Grand Forks ND all day event U of ND High Performance Center. Contact Brian Dorff at [bluebaronbrian@gmail.com](mailto:bluebaronbrian@gmail.com)

Pattern contest for 2019 will happen, date pending.

### Show and Tell

Jeff Slater brought a transmitter mitt with Sherpa lining from WTOTOYS for \$16.00.

### Raffle:

Sig MiniBoss Flight Box Jeff Slater

Tim Karash



## SAVE THE DATE

**May 18, 2019 at the South St. Paul Airport  
10:00 AM to 4:30 PM**

ACRC is looking for club members to volunteer to exhibit and show off their models at the **Great MN Wing Aerospace Fling** put on by the Minnesota Wing of the Civil Air Patrol (CAP). The event is *May 18, 2019 at the South St. Paul Fleming Airport from 10:00 a.m. to 4:30 p.m.* Set up for exhibitors should begin about 9:00 a.m.

The event is going to feature full scale modern, vintage and warbird airplanes and hopefully many ACRC models. I believe there will be air rides and there will also be seminars, interactive displays and engine runs and maybe some kind of imploding oil drum experiment. There will be more information to follow, but I wanted to give interested club members an early heads-up.

Jim Zurales (fellow Delta B-757 Captain and education leader of the MN Wing) is organizing the event and asked if ACRC members could bring their models for static display and demonstrations. ACRC has worked with Jim several times in the past and the CAP was always appreciative. We will be at an airport so there will be no outdoor flying allowed, however Jim is working on getting us a hangar to use for indoor flying. Also I would like to have several laptop and/or desktop RC simulators set up to let the cadets try their hand at flying.

The goal of this event is to stir up interest in aviation in a fun, exciting and hands-on way. I really do believe that a lifelong interest in aviation often begins with RC modeling. I will have more details about the event in future newsletters.

Please let me know if you can make it and what model(s) you might bring (scale, micro for indoor flying, multi-rotor, simulator, etc.). My contact information is below. Feel free to email, text or call. Once again it is the **“Great MN Wing Aerospace Fling”** on May 18, 2019 at the South St. Paul Fleming Airport (KSGS).

Thank you.

Bob Moser cell: 612-325-7942 (call or text)  
email: rmoserjr@gmail.com

## Finding the Center of Gravity

This is one of the most overlooked parts of setting up airplanes. In the old days, if the airplane was nose heavy that was the proper CG. That was the old-school way and that's what I was told by pilots who trained me and whom I looked up to. Most of these pilots were in the IMAC and IMAA scene. I was also trained to balance my airplanes on my fingers and to use weight to balance my airplanes. I was also told to balance the airplane to the CG on the plans or whatever the instruction book has in print...sound familiar?

What I have learned over the years is that these “words of wisdom” might not always be correct and it is possible to improve on them.

Let's break this down. Balancing your model to the plans is a great place to start, but only a start! The model may balance differently from the plans depending on the various equipment you add as well as what is needed for your flying style. So try this the next time you want to balance your airplane, I hope that this will help get the job done!

Once your airplane is balanced to the plans, fly it around the field and adjust the trims. Next, fly the airplane into the wind on a 45-degree up line and perform a half roll. When the airplane is inverted, let the stick go on the elevator. If the nose pitches up... its tail heavy. If the nose goes down... the airplane is nose heavy. If the airplane stays straight... the CG is dead on.

When you balance your airplanes, you should try to use some type of CG machine. If you have used the finger method, I can promise you can do a “better job for the airplane” and chances are you could be balanced incorrectly.

There are different ways of balancing the different type of aircraft models:

If it's a high wing or trainer... balance the airplane upright on the bottom of the wing.

If the airplane is a mid wing or lower mounted wing, balance the airplane upside down.

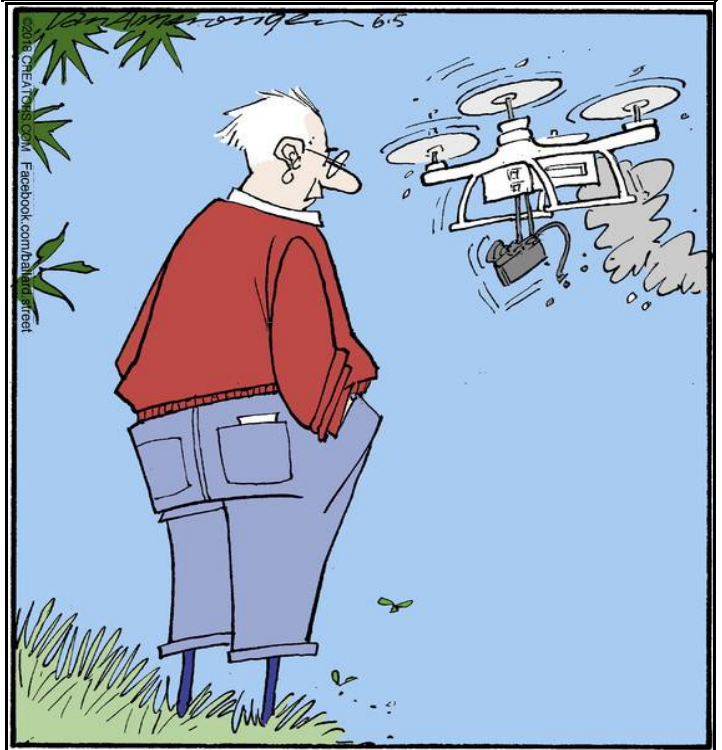
Use the battery to help with the CG by moving the battery forward or aft before adding extra weights.

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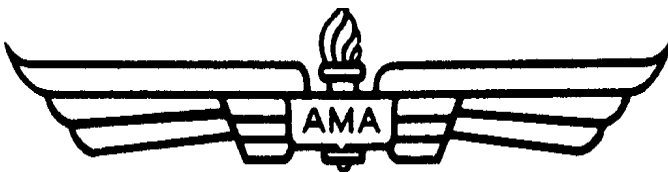
Balance your airplane left and right as well as fore and aft. This is done by hanging the airplane on the thrust line at the points forward and aft on the fuselage to obtain the wings to be level. Again, adjust equipment placement before adding weight.

**The goal:** balanced airplanes. They fly safer. You will be able to fly the airplane in any direction, whether upright or inverted. Landings are easier, and less damage from any landing is always a good thing! The model's settings should not have to be done with major trim and you should not have to put any pressure on the stick to keep it level. All your trims on the radio should be centered. If you are flying around and your trims are not centered something is not set up correctly. This leads to flight problems and unsafe aircraft.

Ballard Street by Jerry Von Amerongen



Virgil hasn't been able to shake the drone all morning



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Jeff Slater  
Stan Zdon

**ACRC SPONSORS**

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**CALENDAR OF UPCOMING EVENTS**

Thursday – January 17

•Meeting-**CANCELED**

Saturday – February 2

•TCRC Auction

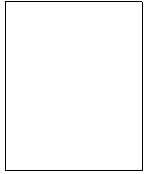
Thursday – February 21

•ACRC Meeting-Riverview

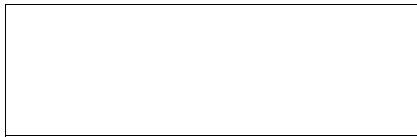


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