



ACADEMY OF MODEL AERONAUTICS CHARTERED CLUB #1255

SERVO CHATTER

A PUBLICATION OF:

ANOKA COUNTY RADIO CONTROL CLUB, INC.

JUNE 2012

THE MEETING WILL BE THURSDAY, JUNE 21, AT THE FIELD!!

PRESIDENT'S CHATTER

We have finally been getting some nice days and hopefully everyone has had a chance to make it to the field, but Mother Nature has blessed us with some nice storms that wreaked a little havoc here and there. A great big thank you goes out to Jason Profit and to Dan Thiede for fixing the sign that was blown down. Also thank you to the people who helped to clean up the field after stuff was tipped over and scattered about. It makes me feel good to belong to a club where people step up to help and take pride in their hobby and club. I managed to get out to the field on a Monday and hang out with the "It is Saturday all week guys" and enjoy the day. What a great time I had, and there were about a dozen people at the field. I had chance to talk to everybody and see nothing but smiles all day and it felt good. The two Garys take good care of the field and it does not go unnoticed that they spend some time on the mower keeping the field looking good. Thanks guys.

We have had two events now and the attendance is down. The Fly In was low in attendance with about 55 people, spectators included. It was a little on the breezy side with winds at 30+ mph which made flying a challenge, but a good time was had by all. Our pattern event was pretty small with 8 pilots signed up to test their precision flying skills. Pretty much low key, not a whole lot going on, but still fun to be at the field.

That is it for the month.

Andy Thunstrom

ACRC EVENTS

The ACRC event season has officially kicked off! The Spring Fly In was held on May 19. There was a pretty good turnout of pilots and spectators considering how windy it was. I appreciated all the help from members and I want to especially thank Dave from Refrigeration Services in Columbia Heights for picking up and delivering the two large coolers full of ice!

While we were able to hold the Fly-In, Mother Nature wasn't so nice to us for our fun-fly. Both the original scheduled date and the rescheduled date were rained out. I hope to get this event rescheduled, but probably not till later in the season.

The Pattern contest was held on June 2. There were 8 pilots over the two classes of Sportsman and Intermediate. Phil Vaughn took 1st Place in the Sportsman class and Scott Oleson took 1st place in the Intermediate.

Events coming up:

June 15 – Friday Night Combat Fly and
Camp out – 6:30 PM start.

June 23 – Fun Fly – 10:00 AM start

June 30 – ACRC Warbird Fly-In
10:00 AM start

July 7 – Fun Scale – 10:00 AM start

John Sager



MEMBERSHIP NEWS

The meeting this month will be the second one at the field for 2012. The road should be in good shape and hopefully it will be a good day for flying. The starting time is 7:00 PM and if you get there early you can get in some flying before the meeting. Remember that you should be using your current membership card to mark your channel and guests should be using their AMA card to verify their AMA membership.

The nearest hospital is in Wyoming, MN and is the easiest to get to. Take Hwy 22 (Viking Blvd.) east across 35W and turn right on Hwy 61. The hospital is about a block south of Hwy 22. If you have to call 911 for an ambulance they will want to know where the field is located. The road where we turn off of Hwy 65 is 197th and the address of Central Wood Products 19801 NE Hwy 65, East Bethel.

The GPS coordinates of the field are:
 45⁰ 19' 44.4" North Latitude
 93⁰ 13' 52.2" West Longitude

On June 30 there will be a Warbird Fly-In. If you have a plane that has military markings bring it out to the field and fly. The ACRC Fun-Scale Contest will be Saturday, July 7. There will be trophies and a good selection of prizes. We will

also need some helpers, especially flight judges. Get your airplanes ready and get out and practice. If you want to help at the Fun Scale contest contact Matt Campson at (612) 987-0191. Registration is at 9:00 AM and flying starts at 10:00 AM.

The ACRC Pattern Contest was held on June 2 and it was a beautiful day for flying. There were 8 pilots entered in the competition; 4 in Sportsman and 4 in Intermediate. The results are listed below.

Sportsman:

- 1st place Phil Vaughn
- 2nd place John Sager
- 3rd Place Bob Nagel
- 4th Place Chris Elliott

Intermediate:

- 1st place Scott Oleson
- 2nd place Stan Zdon
- 3rd Place Andy Thunstrom
- 4th Place Matt Campson

THE NEXT MEETING WILL BE AT THE FIELD ON JUNE 21 AT 7:00 PM. The summer meetings will be at the field through August. There will be a fun-fly on Saturday June 23 at 10:00 AM.

Stan Zdon



**FIRST PLACE SPORTSMAN
 PHIL VAUGHN**



**FIRST PLACE INTERMEDIATE
 SCOTT OLESON**



**2ND PLACE SPORTSMAN
JOHN SAGER**



**2ND PLACE INTERMEDIATE
STAN ZDON**



**3RD PLACE SPORTSMAN
BOB NAGLE**



**3RD PLACE INTERMEDIATE
ANDY THUNSTROM**



**4TH PLACE SPORTSMAN
CHRIS ELLIOTT**



**4TH PLACE INTERMEDIATE
MATT CAMPSON**

FLIGHT INSTRUCTION

The year is off to a good start. We have four new trainees. Please welcome Virgil Okeson, Kent Buell, Eric Sherman, and Jim Chapman. Be sure to say "Hi" to them and offer help as needed. We have also had one trainee solo that started late last year. Congratulations Mark Bilyk. I gave Virgil and Kent their first training flight on the new trainer and they did pretty well.

As a reminder, Thursdays from 6:00 PM to 8:00 PM is the current open training session time including discovery flights. The time may change as the season progresses so please check the instruction page on the website to stay current on any changes and cancellations.

Dale Anderson
 Instruction Coordinator
 instruction@anoka-rc.com
 612-481-6405

ACRC SAFETY

The Spring Fly In and the Pattern Contest are in the books with no safety concerns. So far there have been no major issues. Keep being safe. That's all for this month

Joe Tombstone Parent



Instructor List

Dale Anderson	(612) 481-6405
Lead Instructor	
Mike Flander	(763) 439-6959
Dan Thiede	(763) 227-3173
Jim Taylor	(612) 868-0419
Jim Wright	(763) 786-7047
Doug Lewis	(763) 670-7678
(Helicopter and Plane)	

EVENTS CALENDAR

- June 15** ACRC Combat - 6:30 PM start
- June 16 SPRC Scale Fly -10:00AM-5:00PM
- June 16 TCRC Electric Fly & Campout
- June 16 Sodbusters Float Fly
- June 16 MRCHA Grassfield Heli Fly
- June 21** ACRC Meeting - 7:00 PM - Field
- June 23** ACRC Fun Fly - 10:00 AM start
- June 30** ACRC Warbird Fly-10:00 AM

ACRC MINUTES

May 17, 2012

Meeting came to order at 7:00 PM with 34 members present.

Training

Weekly training starts Thursday, May 24 at the field.

New members

We had 3 new members present; they are Mark Lester, Don Olson, and Virgil Okeson.

Treasury

We have \$XXXX total including the raffle from the fly in.

Safety

Joe said to watch for the tractors in the field. If you see one warn any pilots that are flying. The pilots don't always see them.

Events

Scott Oleson won the April fun fly. The next fun fly was held Sunday following the Fly In. The pattern contest is 6/2/12. Everyone is encouraged to come try it out. Contest starts at 10:00 AM. All the events are listed in the newsletter.

Combat

Our first combat was cancelled due to weather, the next combat is scheduled for Friday 6/15/12 at 5:00 PM.

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ACRC Forum - <http://anoka-rc.com/forums>

Show and Tell

Phil Vaughn brought a R/C buggy. The Raider has had a few mods and is very fast. It will run about 15 minutes on 1 battery and is a lot of fun.

Raffle Prizes

Mark Tellevik
Ken Dinkel
Darren Bitzer
Joe Parent

Servo
Covering Iron
Anchor
Plane Stand
Glue
Glow Driver
Glow Plug
Glue
Glow plug
Glow plug
Allen Wrenches
Glow Plug

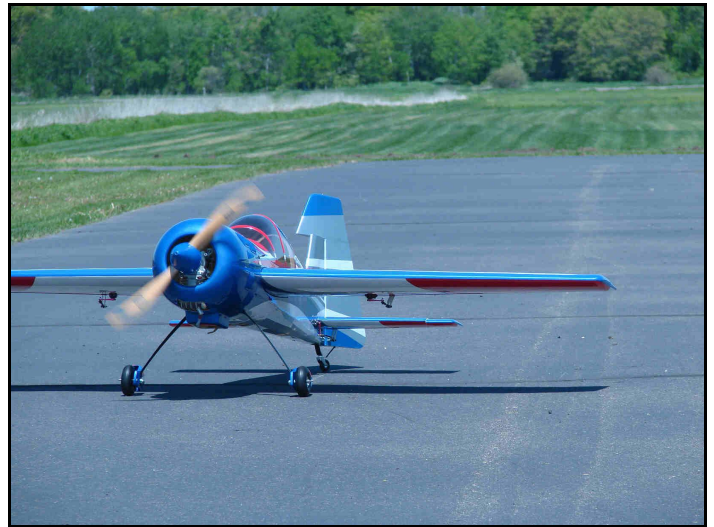
Roy Harter

Phil Vaughn
Bruce Montgomery
Bob Nagle

Doug Jelinek

2012 ACRC FLY-IN

Photos by Jeff Flander



P-51A MUSTANG



GM TBM AVENGER



MODE 1 vs. MODE 2

Do you wonder why people talk about Mode 1 or Mode 2 and what is the difference? The majority of fliers in this country fly mode 2. Fliers in Europe and Japan fly mode 1.

Mode 1 was a natural transition from the equipment in the 50's and 60's called reeds. A reed Tx that was 10 channels consisted of 5 spring-loaded toggle switches that stayed centered and were either off or on. The center position was off and all the way to one side or the other was on, nothing in between. If you wanted to move your elevator you would beep the elevator switch from off to on, off to on, etc. The servo would travel a little and then return to its neutral position. If you wanted a lot of elevator you would hold the switch in the on position until the desired effect and then release the switch back to neutral. As you can see this did not provide for very smooth flight. As you beep the elevator in a turn the plane would move the tail up and down throughout the turn. The same applies for the aileron. So to do all that at the same time, the elevator and aileron switches had to be separated, elevator on the left side and aileron on the right side. You couldn't operate both switches at the same time if they were on the same side of the Tx, and hold on to it as well. When proportional came out in the early 60's the natural way to fly was to have elevator and rudder on the left and aileron and throttle on the right, still keeping the two major functions separate. This was mode 1.

Along came mode 2 which is what most of you fly now. The people that fly mode 1 have either been flying for a while or were taught by someone who flies mode 1. The rationale for mode 2 that I have heard is that it is more like full-size controls. In my opinion, that is not a good reason. There are good fliers in both modes, but it does seem that mode 1 is a little easier to master than mode 2. Even that is a debate. So now you know why some people fly mode 1.

Chris O'Connor TCRC

Improving Poorly Controlled, Dangerous Takeoffs

By Jim Devine

How often have you seen an airplane that is taking off veer toward the pilot stations? Usually the pilot gives the engine more gas and, using the ailerons, yanks the airplane back to the right. Occasionally, the airplane continues to the left, clears the safety barriers, and heads for the people in the pits and the cars just beyond.

If you have poorly controlled, potentially dangerous takeoffs, try practicing control of your aircraft on the runway. First, check the wheels and make sure they have a little toe-in. Also, the wheels should not continue to spin when given a flick. To create friction and avoid free-wheeling, slip a 3/16-inch long piece of fuel line on the axle and push the retainer collar in tight. With proper adjustment, the wheels will turn only if you push them with your finger. This braking action allows for a high idle speed without the airplane moving, which reduces the chance of the engine dying when the idle is too low. This also helps stop an airplane that might otherwise roll off the end of a runway during landing.

Choose a day when the wind is light and the runway isn't being used. Practice taxiing back and forth the length of the runway, using the rudder for control. Stay within a few feet of the yellow center line. When you have mastered taxiing at slow speed, click the throttle up another notch or two and keep practicing. With enough practice and a slow, smooth application of power, you can approach takeoff speed while moving down the center of the runway. You also can practice aborting the flight by shutting off fuel when you're about to lose directional control of the airplane.

With this improved directional control and practice at aborting a poorly controlled airplane, your takeoffs will be much safer and a pleasure to watch.



CONTRACT OF MARRIAGE

Whereas I (non-modeler) , (hereinafter referred to as “the party of the first part”), have entered into a Contract of Marriage with (modeler) , (hereinafter referred to as “the party of the second part”), I DO HEREBY STATE, SIGNIFY, AND ADMIT that I do fully and without demur of reservation ACCEPT, CONCUR, AND AGREE to the under mentioned conditions, namely:

1. Not fewer than five (5) evenings per week shall be devoted to the study, design, construction, or any pursuit connected with and/or or the contemplation of aeromodeling according to the wishes of the party of the second part. An evening shall consist of the hours between 2 p.m. and 11 p.m.
2. Not fewer than sixty percent (60%) of weekends (Saturdays and Sundays) and seventy-five percent (75%) of federally recognized days per annum shall be devoted to the aforementioned pursuits, including the trimming, testing, and flying of the said models, whether in competition or not, and travel to and from the site of such flying according to the expressed wishes of the party of the second part.
3. No criticism, complaint, or adverse comments shall be made in respect to odors, vapors, or fumes proceeding from materials or accessories employed, used, or associated with the aforementioned pursuits, whether noxious or otherwise, indoors or out, nor regarding litter, dust, shavings, and similar by-products which may be forthcoming, produced, left, or permitted to remain in any place during the practice of this hobby.
4. A maximum average of one-third (1/3) of the weekly combined household income, or the total sum of \$500, whichever is the greater, shall be permissible as the expenditure each week upon the aforementioned pursuits.

I, the party of the first part DO FURTHER AGREE to help, aid, cooperate and assist to the best of my knowledge and ability, the party of the second part in the activities in the whole sphere of model-making, especially in the provision of refreshment (i.e. food, drink, and other consumables for consumption) during flying seasons, and in respect of my own self-effacement where and when advisable or in accordance with the wishes of the party of the second part, and I do fully appreciate and realize his/her absorption in the hobby and also the details and implications herein embraced.

AS WITNESSED on this _____ day of _____ this year of _____.

Party of the First Part _____

Party of the Second Part _____

Witness # 1 _____

Witness # 2 _____

R/C REPORT March 1997



SERVO CHATTER

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CONTRIBUTORS THIS MONTH

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Doug Jelinek

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ACRC SPONSORS

King Kong Hobbies

Abraham Technical

Aerospace welding

Cambridge State Bank

*Deadline for the
next newsletter is:
July 1, 2012*

CALENDAR OF UPCOMING EVENTS

Friday – June 15

- ACRC Combat

Thursday – June 21

- ACRC Meeting

Saturday – June 23

- ACRC Fun Fly

Saturday – June 30

- ACRC Warbird Fly-In

Saturday – July 7

- ACRC Fun Scale Contest

