



ACADEMY OF MODEL AERONAUTICS CHARTERED CLUB #1255

SERVO CHATTER

A PUBLICATION OF:

ANOKA COUNTY RADIO CONTROL CLUB, INC.

JULY 2011

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

FLIGHT TRAINING

We have 4 trainees with one very close to soloing. On a safety issue, I connected the glow igniter before priming the trainer engine. Bad idea. It tried to start but luckily it didn't keep going so I didn't get bit. It's much too easy to get in a hurry and jump ahead or forget something with dire consequences.

Dale Anderson - Instruction Coordinator

ACRC SAFETY

All I have to say is "What the heck is going on". Cut fingers again, prop and engine complaints, flying behind the flight line, and run away airplanes. All I have to say is it must be the global warming taking affect on lots of people. The heat must be so intense that people must be losing some common sense and forgetting some rules. Come on guys and gals, with all the stuff going on, take time to read the rules and courtesy guidelines to refresh them in your minds. Yes it is the middle of the flying season and your concentrating on getting that next flight in. But as you are sitting down watching and rapping' with your buddies take a minute and watch and listen. If something is not right say some thing. Just a warning to my fellow pilots. I have been watching and not saying a word, but that is going to change. I'm going to start barkin'.

As far as noise is concerned, it was brought up at the board meeting that some of big gassers are getting pretty loud. Take a second and listen, that

airscrew sure does bark! Take minute to look at db rules for the field and maybe check your plane.

A member lost a plane recently and put a hole in a roof. Findings reported a mechanical failure. I don't have to go any farther! We are having a very bad year as far as issues are concerned. Do you want to lose our privilege to use the Hoffman's property or throw it away because we don't follow the rules and courtesy guidelines? You make choice. I know what mine is!

Andy Thunstrom

ACRC COMBAT

Here we are middle of July and the boys are fired up. We changed our approach to the rounds, and the response has been excellent from our combat guys. Our make up combat was on a Tuesday after the Warbird Fly-In. Let me tell you what you missed out on! 10 pilots showed up and 10 pilots flew pretty much every round. Yep that's right, 3 rounds with 10 planes per round. Total mayhem, gotta love it. Lots of cuts, lots of midairs, lots of fun. I think we only had 2 planes that could not fly and the rest were a little beat up. It is must see! The boys are getting a little more proficient on handling their planes, especially when other planes are wounded. The next combat is Sunday, July 17. 10:00 AM start. Hope to see you there.

Andy Thunstrom



MEETING MINUTES

June 16, 2011

Meeting called to order at 7 P.M.

26 members present.

Board Reports:

Vice President: Jeff Flander conducted the meeting and reviewed the evenings raffle prizes.

Safety: Andy Thunstrom reminded us to keep our fingers out of the prop. Leather gloves or a chicken stick should be used when hand starting. We are also reminded to fly east of the runway. He also went on to discuss the last Combat event which was one of the best ever. Andy encouraged us to come out to the next event and join in the fun. He also has some T shirts left for \$10.00.

Membership: Stan Zdon reports that the club now has 105 members.

Events: Marc Davis reviewed the results of the Pattern Contest. A good time was had by all. There were 13 pilots and many spectators. Marc also reminded us of the upcoming Fun Scale and Fun Fly events. The Float Fly will be July 20.

Treasurer: Roger Jeffrey reviewed the cost of the Pattern Contest and the club funds. All are in good order.

Training: Dale Anderson reports that training is under way and there are four student pilots.

Old Business:

Phil Vaughn brought in some items for the club members. He also has an OS 120 for sale.

Show and Tell:

Dave Greene brought in a recently acquired Messerschmitt which he just finished reworking. Dave installed new servos, pushrods and landing gear. He also reworked the tail wheel assembly. The model is decorated in yellow, green and silver and has an OS 25 up front for power. This is a beautiful addition to Dave's hanger.

Raffle:

1st	Doug Jelinek	Knife
2nd	Arthur Rupp	Knife
3rd	Steve Ulrich	Servo
4th	Stan Zdon	Glue
5th	Andy Noll	Razor plane
6th	Phil Vaughn	Servo extension
7th	Gary Titus	Servo extension
8th	Ray Jelinek	Battery
9th	Scott Oleson	Servo extension
10th	Joe Parent	Charger
11th	Jeff Flander	Charging cable
12th	Mike Harter	CG jig
13th	Scott Oleson	Screwdriver

Steve Ulrich

FUN SCALE CONTEST

Thanks to everyone who volunteered and flew in the 2011 Fun Scale contest. Thankfully the weather cooperated and we were able to get in 3 rounds of flying. The results are as follows:

Novice:

1st place	Joe Parent
2nd place	Andrew Thunstrom
3rd place	Bob Nagle
4th place	Chris Cone

Intermediate:

1st place	Dave Dents
2nd place	Jake Groetsch
3rd place	Dan Thiede
4th place	Jim Taylor
5th place	Marc Davis

Expert:

1st place	Matt Campson
2nd place	Scott Oleson
3rd place	Stan Zdon
4th place	Phil Vaughn

Thanks again to everyone who came out to help and watch.

Matt Campson

MEMBERSHIP NEWS

The July meeting is at the field starting at 7:00PM. If you get there early you can get in some flying before the meeting. The board also tries to make the meetings short so that you can fly afterwards. 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. If you need a new membership card let me know. I can send you a new card – no charge.

FLOAT FLY

The ACRC float fly will be held again this year at Long Lake in New Brighton on July 20. See the map in the newsletter for directions. If you have questions call Bud Durant at (763) 574-1397.

ELECTRIC FLY

The ACRC Electric Fly will be September 10 this year. Flying starts at 8:00 AM.

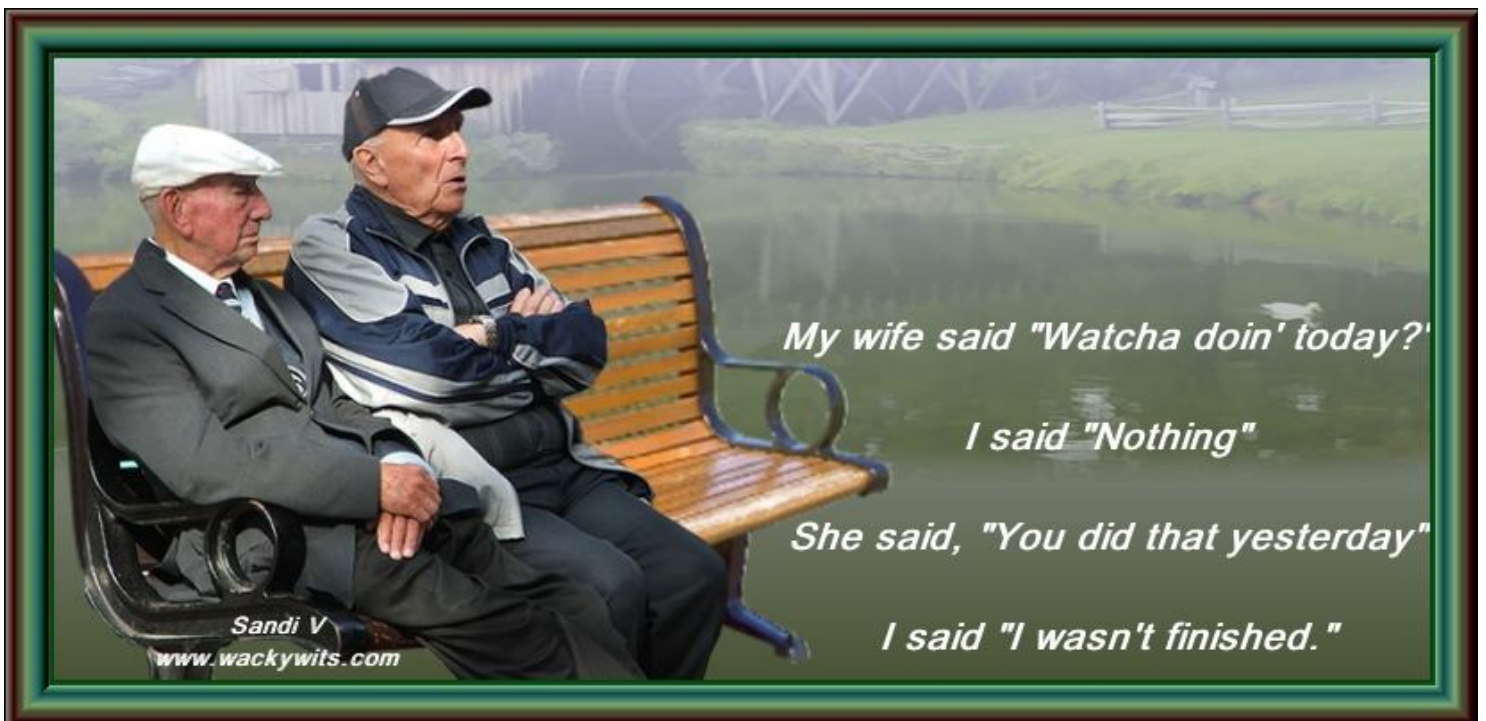
THE NEXT MEETING WILL BE AT THE FIELD ON JULY 21 AT 7:00 PM.

There will be a Fun-Fly on Saturday July 23. Come on out and see if you can beat the Senior Citizen who flies the Black Baron Special.

Stan Zdon

EVENT CALENDAR

- Jul 13 **SPRC Club Meeting @ Club Field**
- Jul 16 **SPRC Frankfurter Fly - 10:00 am**
- Jul 16-17 **TCRC AirExpo 2011 Club Display**
- Jul 16 **Sodbusters Combat SSC Fly-in**
- Jul 17 ACRC Combat Fly - 10:00 am**
- Jul 18 **TCRC Open House Fly-in,**
- Jul 20 ACRC Float Fly - 12:00 Noon**
- Jul 21 ACRC Club Meeting @ Club Field**
- Jul 23 ACRC Fun Fly - 10:00 am**
- Jul 23 **TCRC Big Bird Fly-In**
- Jul 23 **Sodbusters Steve's Crazy Fun Fly 2**
- Jul 29-31 **WATTS over Owatonna**
- Aug 06 **SPRC 3 Event Fun Fly - 10:00 am**
- Aug 07 ACRC Combat Fly - 10:00 am**
- Aug 10-14 **IRCHA Heli Jamboree, Muncie, IN**
- Aug 10 **SPRC Club Meeting @ Club Field**
- Aug 12 - 14 **Northern Alliances Warbird Fly-in**
- Aug 18 - 21 **Rushford Jet Rally, Rushford, MN**
- Aug 18 ACRC Club Meeting @ Club Field**
- Aug 20 ACRC Fun Fly - 10:00 am**
- Aug 20 **Sodbusters Combat SSC Fly-in**
- Aug 26-28 **Rotary Ring Out Heli Fly**
- Aug 27 ACRC Scale Fly-in - 10:00 am**



ACRC EVENTS

We are in the middle of the flying season already. This past month has been full of events and there is a lot to report. We have had 2 combat events, a pattern event, a fun scale event and a fun fly. I feel that we are in a great club as there is something for almost everyone and almost every type of flying.

A big thanks to Matt Campton and Andy Thunstrom for being the contest directors for the pattern meet and fun scale events. Both events were a great success and lots of fun for all. While these events my not be the most fun for spectators to watch they both are truly fun events to participate in. Both events require the flyer to fly a predefined set of maneuvers while being judged on how well the fly performs the maneuver. As always we had some great food to go along with the fun events, thanks to Amy, Jan and John for all their hard work in providing some great food for the participants and spectators to enjoy.

I can't believe it but the fall fly out is just around the corner. This is one of our biggest events and last year we set a club record for attendance. We need to put a small committee together to help plan the fall fly out festivities. If you would like to help with the planning please let me know. We will also be asking for lots of volunteers. We need people to help with parking, cooking and running the flight line. This year we will also need some volunteers to help MC the event as well thanks to the donation of funds for a new PA system at last year's event.

Three events were flown at the June Fun-Fly. The first event was timed inverted flight, 90 second maximum with 5 bonus points for each loop or stall turn done from inverted. The second event was a deadstick spot landing with the measurement taken at the end of the rollout. The winning distance was 1 foot. The 3rd event was Blackjack touch and go. There were 2 natural blackjacks and 3 twenty-ones.

Marc Davis

June Fun-Fly Results

Name	Event #1	Event #2	Event #3	Total Pnts	Place
Joe Parent	7	3	6	16	4
Andy Thunstrom	8	3	10	21	8
Phil Vaughn	6	8	2	16	4
Dale Anderson	12	8	10	30	12
Steve Ulrich	13	8	2	23	9
Bob Nagle	9	2	10	21	8
Kris Westerbur	8	8	8	24	10
Paul Castrodale	11	5	4	20	7
Marc Davis	5	4	7	16	4
Jim Wright	10	7	1	18	5
Dan Thiede	4	8	1	13	3
Stan Zdon	3	1	5	9	2
Mike Dorff	2	8	9	19	6
Jeff Flander	1	4	2	7	1
Paul Rono	13	8	7	28	11
Ray Jelinek	14	6	3	23	9

COMING EVENTS

July Events

Combat Fly July 17, 2011
 ACRC Float Fly July 20, 2011
 Club Meeting July 21, 2011
 Fun Fly July 23, 2011

August Events

Combat Fly August 7, 2011
 Club Meeting August 18, 2011
 Fun Fly August 20, 2011
 Scale Fly-In August 27, 2011

CURRENT FUN FLY RESULTS

Name	April	June	Total Points	Current Standing
Phil Vaughn	17	22	39	5
Doug Jelinek	14	0	14	19
Ray Jelinek	21	17	38	6
Andy Thunstrom	22	18	40	4
Bob Moser	16	0	16	17
Dave Dentz	15	0	15	18
Dan Thiede	25	23	48	1
Marc Davis	19	22	41	3
Joe Parent	13	22	35	7
Roger Jeffery	12	0	12	20
Dave Boll	23	0	23	11
Stan Zdon	23	24	47	2
Kris Westerbur	13	16	29	8
Dale Anderson	12	14	26	9
Paul Rono	20	15	35	7
Scott Oleson	18	0	18	15
Christian Cone	24	0	24	10
Chris Cone	21	0	21	12
Chris Elliot	11	0	11	21
Jeff Flander	22	25	47	2
Paul Castrodale	0	19	19	14
Rick Teteak	0	0	0	22
Steve Ulrich	0	17	17	16
Bob Nagle	0	18	18	15
Jim Wright	0	21	21	12
Mike Dorff	0	20	20	13

MEN'S TOOLS EXPLAINED

BAND SAW:

A large stationary power saw primarily used by most shops to cut good aluminum sheet into smaller pieces that more easily fit into the trash can after you cut on the inside of the line instead of the outside edge.

PHILLIPS SCREWDRIVER:

Normally used to stab the vacuum seals under lids or for opening old-style paper-and-tin oil cans and splashing oil on your shirt; but can also be used to strip out Phillips screw heads.

FLAT-TIP SCREWDRIVER:

A tool for opening paint cans. Sometimes used to convert common slotted screws into non-removable screws and butchering your palms.

PRY BAR:

A tool used to crumple the metal surrounding that clip or bracket you needed to remove in order to replace a 50 cent part.

HAMMER:

Originally employed as a weapon of war, the hammer nowadays is used as a kind of divining rod to locate the most expensive parts adjacent to the object you are trying to hit.

UTILITY KNIFE:

Used to open and slice through the contents of cardboard cartons delivered to your front door; works particularly well on contents such as seats, vinyl records, liquids in plastic bottles, collector magazines, refund checks, and rubber or plastic parts. Especially useful for slicing work clothes, but only while in use.



NAME THE PLANE

Thoughts for the Month of July

1. The easiest way to find something lost around the house is to buy a replacement.
2. Never take life seriously. No one gets out alive anyways.
3. Gardening Rule: When weeding, the best way to make sure you are removing a weed and not a valuable plant is to pull on it. If it comes out of the ground easily, it is a valuable plant.
4. An unbreakable toy is useful for breaking other toys.
5. If quitters never win, and winners never quit, then who is the fool who said, "Quit while you're ahead?"
7. All of us could take a lesson from the weather. It pays no attention to criticism.
8. Health is merely the slowest possible rate at which one can die.
9. Health nuts are going to feel stupid someday, lying in hospitals dying of nothing.
10. Whenever I feel blue, I start breathing again.

Tips & Tricks

To clean your airplane after a day at the field use my formula, which is as follows:

- 5 cups of water (40 oz.)
- 1 cup of denatured alcohol (8 oz.)
- ½ cup of ammonia (4 oz.)
- 1 oz. of dish detergent

If you would like to try something different, try using lemon Pledge spray wax. It cuts through the castor oil lubricant and grease, and cleans and polishes the surface leaving the aircraft with a protective coating without any residue.

—by Tom Voorhis, West Jersey Radio Control Club, Gibbsboro, New Jersey

ACRC FLOAT FLY

The 2011 ACRC Float Fly is scheduled for **Noon** on Wednesday, July 20. The flying site is a couple of blocks east of Long Lake Road and north of Highway 694. The long range weather report is predicting hot, humid and stormy conditions. As it gets closer to the date of the float fly an email notice will be sent out to let you know if the event has been moved to an alternate date, probably Friday, July 22 since July 21 is the date of the club meeting at the field. If you get this newsletter by snail mail call Stan Zdon at 952-454-7978 to find out if the date has been changed.



Directions to Float Fly

Take 694 east to Long Lake Road. Go north on Long Lake Road, turn right on 16th St. NW and then left on 14th Avenue NW.

1639 - 14th Avenue NW



ELECTRIC FLIGHT SAFETY

PLUG ‘n PLAY or PLUG ‘n “OUCH” (or worse)? Check out your understanding of R/C airplane safety!

Hey, electrics are fun, right? You bet they are, and the R/C electric airplane technological goodies that are hitting the shelves are mind (and wallet) boggling – counter-rotating props, reversing props, eTurbines, RTF helis... and, easy? Out of the box and into the air with scale warbirds, 3-D hotties, in the time it takes to charge the batteries..this IS good!

But just like you were told when you were little, you never get something for nothing, and in the case of R/C airplane safety, there are some new hazards that you have to avoid or else!

We’re pretty used to handling fuel-powered aircraft, and understand that the fuel and sources of sparks don’t mix. We know that until a battery is applied to the glow plug and something is used to flip the prop, that the engine is not going to start by itself. The batteries we were accustomed to using in those planes and helis were just overgrown flashlight cells and charging and discharging them required no special care or handling.

Electrics, as we now are learning, have some additional requirements for R/C airplane safety operation. Even with the very advanced electronic throttle controls (ESC’s) now in use, they ARE prone to glitches, meaning that once the battery is connected, the motor and prop should be regarded as a loaded gun, ready to go off. I have an electric Micro Heli, that on several occasions has spontaneously spooled-up on the workbench! Fortunately, both times I had a firm grip on the skids and no damage occurred.

Another surprise of the same sort happened with an e3D-TYPE when the prop flew off during a bench session setting up the plane for an afternoon’s flying! This caused a bit of excitement to the cat and to the bits and pieces of modeling stuff on the workbench, but otherwise just a close call to bodily harm!

LiPo batteries themselves can have a nasty habit of spontaneous combustion, and even explosion under the right set of bad circumstances. Charging

and flight discharging needs careful monitoring and dedicated equipment – special chargers and ESC’s must be used for R/C airplane safety and even then, don’t charge/discharge in the house or anywhere that such a hazard can’t be controlled.

In the air or trying to get there often involves a hand launch – pilot and launcher need to agree on a procedure for the launch that doesn’t involve the mixture of the fingers and the prop!

Dealers and Manufactures talk mightily about flying in your local schoolyard or park, but because these aircraft – even small ones – are moving through the air, they are potentially dangerous to the bodies of people and pets around us. You must be able to control your flight, through previous instruction, and you’re always better off flying at an AMA Club field.

Well look, **when thinking about R/C airplane safety don’t be scared, just be wary!** Like other potentially hazardous endeavors/sports, you can often reduce the risk by observing some basic rules of operation:

1. Get trained to fly, and if you are already flying, learn about electrics.
2. Wear protective eyeglasses when working on your aircraft.
3. Keep the prop facing away from you (and anyone else) whenever a battery is in place.
4. Learn to use LiPo batteries properly, if not, don’t use them at all.
5. Learn to launch and retrieve safely – keep fingers and eyes safe!
6. Don’t fly around other people or pets.
7. Expect that your motor will start by itself, that the prop will fly off, the battery will self-destruct and don’t be caught by surprise if they do!

DISCLAIMER: These are the opinions of the author and are not a substitute for proper training in the use and operation of electric-powered model aircraft. Before you attempt to fly model aircraft, always seek the assistance of an experienced instructor through your local AMA flying club.

JUNE ACRC WARBIRO FLY-IN

Pictures by Jerry Nelson



JUNE ACRC WARBIIRD FLY-IN

Pictures by Steve Stroh





Instructor List

- Dale Anderson (612) 481-6405
Lead Instructor
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- Dan Thiede (763) 227-3173
- Jim Taylor (612) 868-0419
- Jim Wright (763) 786-7047
- Doug Lewis (763) 670-7678
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 Abraham Technical
 Aerospace welding
 Cambridge State Bank
 T & G Hardwood

*Deadline for the next newsletter is:
 August 1, 2011*

CALENDAR OF UPCOMING EVENTS

Sunday – July 17

- ACRC Combat

Saturday – July 20

- ACRC Float Fly - Noon

Thursday – July 21

- ACRC Club Meeting

Saturday – July 23

- ACRC Fun Fly

