



ACADEMY OF MODEL AERONAUTICS CHARTERED CLUB #1255

# *SERVO CHATTER*

A PUBLICATION OF:

ANOKA COUNTY RADIO CONTROL CLUB, INC.

**JULY 2016**

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

## **PRESIDENT'S CHATTER**

It is that time of the year for board member election, so please attend this month's meeting. We still need some positions filled. If you cannot be a board member please consider helping with club flying events. It would be nice to spread that workload around the general membership.

We will open discussions about field upgrades also, so bring your priorities with you.

There is a large plane flying event being planned for August. Jeff Flander is the contact person, please consider participation and helping with this event. A quad event is also being considered. Details may be available at meeting.

That is it for now.

Virgil Okeson

## **FROM THE VEEP**

Kudos to Jeff Flander for promoting the hobby at the Cambridge airport Fly In and pancake breakfast. He even got his picture in the local newspaper, although the photo is so grainy, it's hard to tell if it's really him in that most elegant pose.

Most of us in this hobby are gear heads of some degree. I recently found photos of a project that combines cars and airplanes.

Kick open your browser and type in '39 Plymouth airplane engine'. What you will find is a customized pickup truck with a radial engine nailed to the firewall. Yep, a Jacobs 7 cylinder engine in a truck with some clever engineering.

About the only "Plymouth" remaining is the body shell, all the rest is custom built. A 3-inch wide Kevlar belt sends the power down to a marine V drive, whose output shaft drives a GM Turbo 400 transmission. At 300 horsepower, it's not going to be a world-beater at the racetrack, but gets the job done. Three of the seven cylinders are somewhat out in the breeze, while the others are cooled by a nasty looking fan on the end of the crankshaft. The aircraft theme is carried into the cab (cockpit?) and even homage to the Jimmy Stewart film, Flight of the Phoenix. Check it out.

I've got some cool raffle prizes for the July meeting. How about a 10 X 10 pop up shade tent or the latest from Tower Hobbies, a built up flying wing thing oddly named "Craz-E-Wing", plus much more. Come on out and support your club.

Tim Karash

## **ACRC EVENTS**

Another ACRC Warbird Fly-in is in the books. We had a total of about 28 people in attendance, with about 7 or 8 pilots and 10 airplanes. The weather was nearly perfect with sunny skies, light breezes and temps in the low to mid 80s.

Hot dogs and hamburgers were served for lunch along with freshly made french fries and a few deserts.

Thanks to those who attended and a big thanks to those that helped prepare and serve the food.

Our next event is the club fun-fly on July 23rd.

Bob Proulx

## ACRC TRAINING

Wednesday night training continues with 3 pilots.

We had a second person from the Intro Pilot Program make his solo flight. Ivan Johnke soloed on wed July 6, 2016. He moved thru training quite fast due to prior quad copter experience, both visual and FPV. Congratulation to Ivan, he will be joining us as a new club member; welcome to ACRC.

### Just a Heads up!

For the most part training has been going well, but we have had some issues when trying to setup the buddy boxes with apprentice trainers. It appears to be a combination of things; newer transmitters and software version updates in the apprentice and the transmitters. There has been a couple of cases where all flight control surfaces work correctly on both master and buddy box on the ground but only partial control of flight control surfaces on the buddy box in the air. So as a suggestion when setting up a new student's plane for training two instructors take the sticks for the first flight to make sure everything is working correctly in the air. No surprises for the new pilot that way.

### Something extra!

I found a short preflight check list you can use and add your own things too.

### PREFLIGHT:

- Landing gear secure to fuselage.
- Motor secure to fuselage.
- Prop secure to shaft.
- Motor connections secure.
- ESC connected to receiver.
- Servos tight and connected to receiver.
- Is rudder secured to fuselage?
- Is elevator secured to fuselage?
- Are ailerons secured to wing?
- Is main wing secured properly and evenly to fuselage?
- Visually check for anything loose in any control surfaces.
- Are all electronics secured?
- Are wind conditions favorable for flight?
- Aircraft batteries charged?
- Transmitter batteries charged?

Connect Battery:

- Check rudder control for correct deflection.
- Check elevator control for correct deflection.
- Check ailerons control for correct deflection.

Do a preflight range check.

Fly Safe & Land Happy!

Tom La Rose

## 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.

### 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.

Stan Zdon

## ACRC MINUTES

Board members present:

Virgil Okeson, Stan Zdon, Marc Tellevik, Bob Proulx, Tim Karash, Tom LaRose, Brett Ohnstad

Members present 14

**Membership Report:** 72 Members, many from last year have not reapplied.

**Treasurers Report:** Checking \$1783, Savings \$7088, total \$8871.

**Safety Report:** No safety issues as of yet. Pilot stations are getting good reviews, and many opinions aired.

*Continued on Next Page*

**Upcoming Events:**

Warbird fly in July 9

Monthly fun fly July 23

East Bethel Booster Days event on July 16. A parade float spot has been approved. Flying this year to be done on west end of park and should be much more visible to the public.

Month of August is open with a possible FPV event. Chad Bidwell will make contact with racers.

Electric Fly September 10

Fall Fly Out October 1

**Training:** 4 students in training, one graduated so far this season.

**Old Business:**

Enclosing of pavilion idea canceled.

Weed spraying will not be done by Hoffman. We need to do it on our own.

City of Andover drone ban, as noted in Mpls Tribune, not showing on city website.

Board nominations for next cycle: Tom LaRose, Brett Ohnstad, Bob Proulx, and Marc Tellevik.

Motion carried.

Jeff Flander Volunteered to fill the remaining year open board position.

MIA Crash of the Month trophy has been located and will be awarded.

Banner advertising our training to be made and hung under event sign.

**New business:**

Possible big bird fly on 8/27.

President Okeson requested that we involve other clubs in our events.

Hub Hobby is not posting ACRC newsletter on bulletin board.

Special award at June fun fly courtesy of Jeff Flander.

Parking lot in need of fill. Board will discuss at next meeting.

**Show and tell:**

Dave Willemsen brought a flying wing ARF foam kit with autopilot. It uses 2 electric ducted fans for power with 2 5000-mAh batteries. It will fly a preprogrammed mission, and has a gimbal mounted camera mounted in the nose. Hand or bungee launch.



John Sager brought 2 airplanes. The first is a Bird of Time glider built from an original kit. Set up now for winch launch, but can be modified for electric power.



The second is a Preston Aerobatics Addiction. A semi profile fuselage with lots of carbon fiber results in 8 oz wing loading.

*Continued on Next Page*





**Raffle:**

1st	John Sager	Butane torch
2nd	Virgil Okeson	Bag o clamps
3rd	Darren Bitzer	Sand paper cutter
4th	Matt Campson	Cleaning cloths
5th	Tom LaRose	Drill press vise
6th	Paul Rono	Magnetic parts tray

Tim Karash

## ACRC SAFETY

Whether you're working or playing outdoors or even just spending a few hours at the airfield, hot humid weather can result in illnesses such as rashes, cramps, fatigue, strokes, and even death. Heat-related illness can affect *anyone* not used to hot weather, especially when it is combined with high humidity. But certain people are particularly susceptible, including:

- Babies and young children and the elderly
- People who are physically unfit or have circulatory or heart problems
- Employees who work in hot environments
- Athletes and others (especially beginners) who exercise vigorously outdoors
- People who are on certain medications

The human body always tries to maintain its normal temperature of about 98.6 degrees Fahrenheit. Heat related illness, ranging from mild to life threatening, results when the body is exposed to more heat than it is able to handle. Learn and recognize the early symptoms of heat-related illness, including nausea and dizziness. Get out of the heat immediately and seek medical help if appropriate.

Types of Illness (Ranging From Least To Most Severe)

**Heat fatigue:** This is the mildest heat illness. Symptoms include headaches and feeling uncomfortable, irritable, confused and very tired.

**Heat swelling:** This is a very common condition, especially for those people not used to hot weather. Symptoms include mild swelling of the hands, feet or ankles.

**Heat rash:** This is an itchy rash, also known as 'prickly heat', that develops on skin that is moist from sweating.

Treat these conditions by having the person get out of the heat, drink lots of cool liquids or even electrolyte replacement drinks and slow activities down.

**Heat syncope:** Heat syncope is fainting due to overheating.

**Heat cramps:** These are sudden, painful muscle spasms that affect the legs or abdominal muscles. Heat cramps usually occur after several hours of hard physical activity in people who sweat a lot or have not consumed enough fluids.

**Heat exhaustion:** Heat exhaustion is a more serious heat-related illness. Symptoms include dizziness, nausea, headache, weakness, sweating and vomiting.

To treat these condition have the victim lie down with feet raised, remove any excess clothing and place a cool, wet cloth on his/her forehead. Provide the person with cool, lightly salted water or an electrolyte replacing drink if the victim is conscious. Seek medical help if the victim does not improve within 30 minutes.

**Heatstroke:** Also known as sunstroke, this is the most serious heat-related illness. There are two main signs of heatstroke:

1. Hot skin with high body temperature (skin may feel either wet or dry).
2. Victim feels confused and exhibits strange behavior.

Other symptoms for Heatstroke include unconsciousness, seizures, quick breathing and rapid pulse. This is a life-threatening emergency that must be treated by immediately. Call 911 for emergency assistance, remove the victim's clothing and cooling his/her body as quickly as possible using whatever available means.

*Continued on Next Page*



A few tips to stay safe during the summer heat

**NEVER** leave children or pets in an enclosed car - even if the windows are slightly open

Drink plenty of fluids (avoiding alcohol and caffeinated beverages) before, during and after activity

Dress in light-colored, loose-fitting cotton clothing. The light color reflects the sun and the natural fabric allows air to circulate. Wear a wide brimmed hat and sunglasses.

Be sure exposed skin is protected with a sun screen of SPF 15 or above.

Try to spend the hottest part of the day in air conditioning. Do the most physically difficult tasks in the early morning or evening.

Keep tabs on how you and others are feeling in the heat. Check on elderly family members and friends or those who spend a majority of their time indoors.

If you take prescription medication, ask your doctor about any possible reactions to heat or sunlight.

Allow several days to adjust to hot environments.

Brett Ohnstad

## UPS MAINTENANCE

After every flight, UPS pilots fill out a form, called a "gripe sheet", which tells mechanics about problems with the aircraft. The mechanics correct the problems, document their repairs on the form, and then pilots review the gripe sheets before the next flight. Never let it be said that ground crews lack a sense of humor. Here are some actual maintenance complaints submitted by UPS pilots (marked with a P) and the solutions recorded (marked with an S) by maintenance engineers.

**By the way, UPS is the only major airline that has never, ever, had an accident.**

Remember it takes a college degree to fly a plane, but only a high school diploma to fix one. Read Samples below:

P: Left inside main tire almost needs replacement.  
S: Almost replaced left inside main tire.

P: Test flight OK, except auto-land very rough.  
S: Auto-land not installed on this aircraft.

P: Something loose in cockpit.  
S: Something tightened in cockpit.

P: Dead bugs on windshield.  
S: Live bugs on back-order.

P: Autopilot in altitude-hold mode produces a 200 feet per minute descent.  
S: Cannot reproduce problem on ground.

P: Evidence of leak on right main landing gear.  
S: Evidence removed.

P: DME volume unbelievably loud.  
S: DME volume set to more believable level.

P: Friction locks cause throttle levers to stick.  
S: That's what friction locks are for.

P: IFF inoperative in OFF mode.  
S: IFF always inoperative in OFF mode.

P: Suspected crack in windshield.  
S: Suspect you're right.

P: Number 3 engine missing.  
S: Engine found on right wing after brief search.

P: Aircraft handles funny. (*I love this one!*)  
S: Aircraft warned to: straighten up, fly right, and be serious.

P: Target radar hums.  
S: Reprogrammed target radar with lyrics.

P: Mouse in cockpit.  
S: Cat installed.

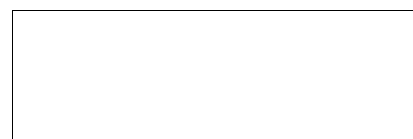
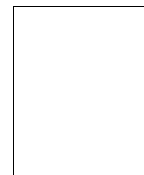
***And the best one for last.....***

P: Noise coming from under instrument panel. Sounds like a midget pounding on something with a hammer.  
S: Took hammer away from midget.



# SERVO CHATTER

902 - 88TH LANE NW  
COON RAPIDS, MN 55433



## ACRC BOARD MEMBERS

**PRESIDENT**  
Virgil Okeson

[president@anoka-rc.com](mailto:president@anoka-rc.com)

**TREASURER**  
Marc Tellevik

[treasurer@anoka-rc.com](mailto:treasurer@anoka-rc.com)

**VICE PRESIDENT**  
Tim Karash

[vicepresident@anoka-rc.com](mailto:vicepresident@anoka-rc.com)

**INSTRUCTION COORDINATOR**  
Tom LaRose

[instruction@anoka-rc.com](mailto:instruction@anoka-rc.com)

**MEMBERSHIP SECRETARY**  
Stan Zdon

[membership@anoka-rc.com](mailto:membership@anoka-rc.com)

**FIELD SAFETY OFFICER**  
Brett Ohnstad

[fieldsafety@anoka-rc.com](mailto:fieldsafety@anoka-rc.com)

**RECORDING SECRETARY**  
Stan Zdon

[secretary@anoka-rc.com](mailto:secretary@anoka-rc.com)

**EVENT COORDINATOR**  
Bob Proulx

[events@anoka-rc.com](mailto:events@anoka-rc.com)

ACRC Website - <http://www.anoka-rc.com>

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

## SERVO CHATTER EDITOR

Stan Zdon

[newsletter@anoka-rc.com](mailto:newsletter@anoka-rc.com)

## CONTRIBUTORS THIS MONTH

*Tim Karash  
Tom LaRose  
Brett Ohnstad  
Virgil Okeson  
Bob Proulx  
Stan Zdon*

## ACRC SPONSORS

King Kong Hobbies  
Abraham Technical  
Aerospace Welding  
Cambridge State Bank  
T & G Hardwood

*Deadline for the  
next newsletter is:  
August 1, 2016*

## CALENDAR OF UPCOMING EVENTS

Thursday – July 21

•ACRC Meeting-At Field

Saturday – July 23

•ACRC Fun Fly #4

Thursday – August 18

•ACRC Meeting-At Field

Saturday – August 20

•ACRC Fun Fly #5

Saturday – September 10

•ACRC Electric Fly In

Thursday – September 15

•ACRC Meeting-Riverwind

Saturday – September 17

•ACRC Fun Fly #6

