



ACADEMY OF MODEL AERONAUTICS CHARTERED CLUB #1255

# *SERVO CHATTER*

A PUBLICATION OF:

ANOKA COUNTY RADIO CONTROL CLUB, INC.

**FEBRUARY 2018**

***THE MEETING WILL BE THURSDAY, FEBRUARY 15, AT RIVERWIND!!***

## **PRESIDENT'S CHATTER**

Sorry I missed the January meeting, I was out of town on business and forgot to let the board members know. Please accept my apology. Please renew your membership to ACRC. Stay warm and I will see you at the February meeting.

Virgil Okeson

## **MEMBERSHIP NEWS**

**IT'S GETTING CLOSER TO SUMMER. LET'S GET THOSE NEW PLANES BUILT !!!!!!!!!!!**

About 55% of last year's members have rejoined for 2018. This is about the same as two years ago at this time. Last year it was about 80%. It's amazing what beating a dues increase will do for membership. If any of your friends have not rejoined, please encourage them to do so ASAP. The 2018 budget is based on a projected membership of 100 fully paid members. If we drop much below that number we will have to cut services somewhere.

If you have any pictures that could be used in the newsletter send them to me. If they are digital, email them to [szdon@yahoo.com](mailto:szdon@yahoo.com). If they are prints mail them to me and I will scan them and return them to you. If you come across any articles on the Internet that could be use in the newsletter send me the link and I will download them and use them.

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

The next meeting will be at Riverwind on February 15 at 7:00 PM.

Stan Zdon

## **A Look Back**

### **February 1990**

28 Years ago

This month's newsletter is the beginning of something new. There were complaints regarding lack of content, so a committee of 5 was formed: Rick Wagner, Justin Ernst, Jeff Slater, Keith Moldenhauer, and Paul Hokanson. This committee was formed to help improve the overall content of the newsletter. It looks to have worked as a full page, double sided print, was added this month with information on upcoming events, flying tips, and a instructors list. Many of the authors requested input from the membership. In other words, don't just gripe about it, do something.

Although it's an everyday occurrence now, the AMA announced "Next Day Registration" through CompuServe (remember them?) for an additional \$6.00 and a Visa or MasterCard, you could have full AMA coverage in only two business days. Amazing.

### **February 2000**

18 Years ago

Electric powered aircraft are beginning to make their way into affordable R/C flight. The talk of the town is a Zagi flying wing. Even on NiCads, they fly great most anywhere, and are very durable.

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Computerized flight simulators were all the rage at the latest mall show. Several members have been bitten by the bug and enjoy “Reset” instead of “Repair”.

Seven brave souls showed up and actually flew at the January 20th Fun-Fly. BRRRR

Five members brought planes for Show and Tell, plus Eric Malkerson brought a bag of goodies he is manufacturing for Dubro.

The fourth in a series of articles on glow fuel written by Don Nix of PowerMaster fuel was published. This episode discussed the differences of two stroke vs. four stroke fuels.

Tim Karash

## **ACRC INSTRUCTION**

The following is a run down on what we are working on for 2018.

The following will be added to Student Flight Manual.

The ACRC Membership form and the \$30.00 instruction fee is to be turned in and held for 60 days. If individual decides to join ACRC, the remaining balance for membership and runway assessment would be due and sent to Membership at ACRC, along with a copy of Intro Pilot Application Form.

This allows Intro Pilot application, membership form and \$30.00 fee to be tied together. Proof of AMA membership is also required such as copy of AMA card, online payment receipt, etc.

Bob Moser Lead Flight Instructor is working on a meeting date for all flight instructors and anyone interested in helping out on Wednesday night training. Starting date for 2018 Flight Training Season still needs to be decided.

Additional Flight Training Manuals are needed as well as instructor nametags.

Jeff Slater has indicated a new sponsor. Hobby Warehouse will be donating a complete new glow plane ready to go with transmitter for the flight-training program. A big **Thank You** to them!

This weekend we will be looking at the TCRC auction for one replacement electric trainer, glow fuel, flight batteries, servos and hardware parts. We hope to have a total of 4 glow trainer planes and 4 electric planes to start 2018 flight training season.

Tom La Rose

## **ACRC MINUTES**

Board members present

Jeff Slater, Bob Proulx, Tom LaRose, Marc Tellevik, Tim Karash

12 members present including board

### **Treasurer’s Report:**

Income:	\$81.00
Expenses:	\$100.00

### **Safety:**

At the 2018 Freeze Fly, a nitro-powered airplane was started inside a vehicle. A definite No-No for multiple reasons.

### **Training report:**

At a recent meeting, it was decided to replace several of the clubs tired training planes. Money was authorized to purchase two or more planes at the TCRC auction. It has not been determined who will go to the auction.

Jeff Slater has a 40-size trainer “Plane in a Box” that he will donate to club.

Training staff will determine how planes are dispersed.

### **Events:**

2018 event planning and details to begin in earnest by February.

### **Old Business:**

Only item was discussed during training reports.

### **New Business:**

Jeff Slater will seek more club sponsors with newsletter ads.

Jeff is also donating \$150 worth of prizes for raffle.

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**Show and Tell:**

Bob Proulx brought a scratch built R/C version of a Great Black Gull. It is the largest of all gulls, and a very aggressive bird. He used 1.5-inch thick, pink closed cell foam for the majority of construction. A carbon fiber tube was added as dihedral brace. After carving the foam to shape, the 76-inch span wings were covered with a product called carbon veil, glued in place with Super Dope. It's very thin and odorless, and then Bob used Kilz brand water based paint. A Flight 480 outrunner motor is used for power, but set back nearly 4 inches. R/C car components were used to fashion a driveshaft and prop drive. A 3 cell 2100 ma pack adds very little weight to the 2 lb 2.6 oz "Bird"

**Raffle Prizes:**

- |     |                 |                   |
|-----|-----------------|-------------------|
| 1st | 12" Drill Bits  | Bob Barton        |
| 2nd | Slimline stand  | Marc Tellevik     |
| 3rd | Screwdriver set | Mark Lichtscheidl |
| 4th | Air Force Hat   | Lucky LaRose      |

**Board Minutes:**

Board members present:  
 Jeff Slater, Bob Proulx, Marc Tellevik, Brett Ohnstad, Tim Karash, Tom LaRose

Payment of \$175.00 authorized to Central Landscaping for mower storage.

It has been noted that the walk behind lawn mower and weedwacker are MIA from the club pavilion.

Tim Karash to keep a stash extra raffle prizes "just in case" Jeff Slater is unable to make a meeting.

Tim Karash

**R/C AIRPLANE DEFINITIONS**

**FLYING WING:** To be seen after too tight of a loop.

**FUEL TANK:** Plastic bottle, designed to leak when placed in totally inaccessible locations. A temporary storage place for chemicals before they saturate your aircraft.

**FUSELAGE:** Optional interconnecting structure between wings and engine. Receptacle into which R/C pilots stuff money in hopes that it will fly better.

**GIRLS:** Something you used to be interested in before you got into modeling.

**GLITCH:** What you holler when you pull up elevator while flying inverted at 10 feet.

**GRAVITY:** The force of nature designed to reduce aircraft to their component parts.

**HINGE:** A device to prevent control surface movement and cause flutter.

**INVERTED FLIGHT:** A method of landing to save wear and tear on the tires.

**JOKER:** A person that asks if you can taxi back after a dead stick landing.

**LANDING GEAR:** A structure designed to separate fuselage from the runway after landing. Does not always succeed in doing so.

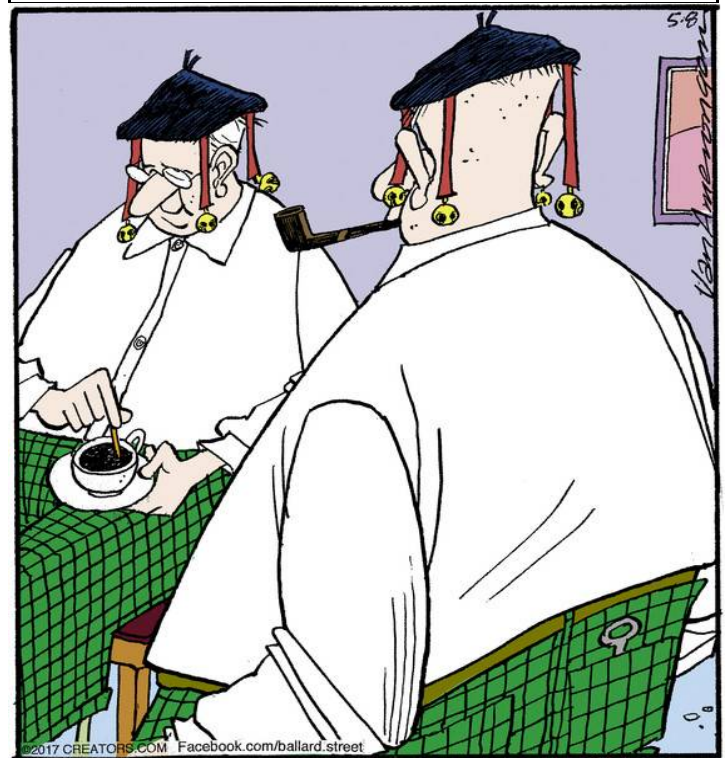
**LANDING:** A test of strength between your plane and the planet. Comes in multiple forms.

Good: The plane comes in contact with the ground, and all pieces remaining together.

Average: The plane comes in contact with the ground, and most pieces still there.

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**Ballard Street** by Jerry Von Amerongen



Perhaps the club's recruiting problems have something to do with the club's hat.

**Bad:** The plane comes in contact with the ground, and all pieces grow in number, but diminish in size.

**LB.:** Abbreviation for pounds. generally used to describe how much over weight your plane is.

**LUCK:** Comes in multiple forms.

**Plain luck:** Very sparse on your side, but plenty with your flying buddies, but they refer to it as skill.

**Tough luck:** This is what you usually have. Your flying buddies refer to it as lack of skill.

**Bad luck:** See tough luck.

**Good luck:** What you need the most.

**MEAN AIR CHORD:** That nasty minor eighth note caused when your wings snap and whack themselves together.

**MIXTURE SCREW:** A device to meter too little fuel in to the engine at critical moments.

**MONOKOTE:** The stuff that ruins every ounce of hard work that you put into a plane to make it look nice.

**MOTOR:** An electric device that starts when you don't want it to, and cuts your fingers.

**NOSE WHEEL:** Implement used to remove the firewall. A device that prevents an airplane from landing without bouncing.

**O.S.:** Initials of the first two words that an R/C pilot says when loosing control and crashing his aircraft.

**PATTERN PLANE:** The second plane from the same set of plans, after crashing the first one.

**PLUG:** Electrical device for making intermittent contact in your engines ignition. Electrical device for making intermittent contact with your radio.

**PROPELLER:** A rotating knife that cut holes in the air, which the aircraft falls into. A handy device to cut skin away from your fingers.

Submitted by Stan Zdon

## TIPS & TRICKS

*From the newsletter of the Rocky Mountain Modeleers, Ft. Collins, Colorado*

### Vinegar

To remove epoxy from yourself safely, use white vinegar. It's smelly, safe, and very cheap!

### Flexible sanding block

A flexible sanding block can be made by contact cementing sandpaper to one side of a urethane sponge. Your sanding block can conform to any curve.

### Handy soldering jig

Here's an easy way to solder a threaded coupler. Place the coupler in the jaw of a wire stripper and stretch a rubber band around the handle. This provides the needed tension to hold the coupler (or whatever else) in place while soldering.

### Installing landing gear

When installing landing gear onto the fuselage with plastic or nylon bolts, place a thin 1/16-thick sheet of light plywood or balsa between the aluminum gear and the bottom of the fuse. This way, if by chance you land hard and shear the plastic screws, you have a better chance of getting a grip on a section of the broken plastic for easier removal. [Tech editor's note: Possibly. But better would be to heat the tip of a screw driver in a butane touch and push the hot screwdriver into the broken bolt, it will make a very nice screwdriver slot.]

### Wire bending

When bending identical parts from small gauge wire, tape the wires together and bend both simultaneously.

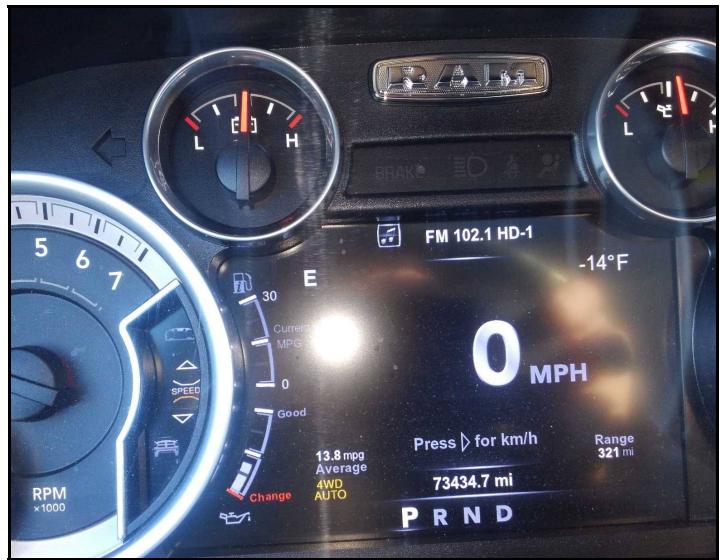
### Radial engine cowling

Some two-liter soda bottles have a black plastic reinforcement on the bottom. This piece makes an excellent radial engine cowling for your next project. [Tech editor's note: The rest of the bottle can be used for canopies and emptying the bottle first can be fun, too.]



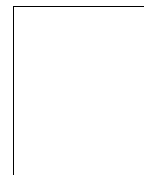
# ACRC FREEZE FLY 2018

PHOTOS BY JEFF SLATER



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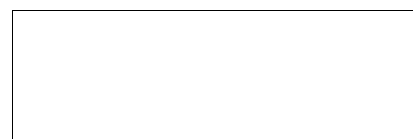


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ACRC Forum - <http://anoka-rc.com/forum>

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Tim Karash  
Tom LaRose  
Virgil Okeson  
Jeff Slater  
Stan Zdon

## ACRC SPONSORS



**Blackjacks Asphalt**  
Hobby Warehouse  
King Kong Hobbies  
Abraham Technical  
Aerospace Welding  
Cambridge State Bank  
T & G Hardwood

## CALENDAR OF UPCOMING EVENTS

- Thursday – February 15  
•ACRC Meeting-Riverwind
- Thursday – March 15  
•ACRC Meeting-Riverwind
- Thursday – April 19  
•ACRC Meeting-Riverwind
- Saturday – April 21  
•ACRC Fun Fly #1
- Thursday – May 17  
•ACRC Meeting-At field
- Saturday – May 19  
•ACRC Fun Fly #2
- Thursday – June 21  
•ACRC Meeting-At field
- Saturday – June 23  
ACRC Fun Fly #3

