



ACADEMY OF MODEL AERONAUTICS CHARTERED CLUB #1255

# **SERVO CHATTER**

A PUBLICATION OF:

ANOKA COUNTY RADIO CONTROL CLUB, INC.

**FEBRUARY 2022**

***THE FEBRUARY 17 MEETING WILL BE AT THE CIVIC CENTER***

## **PRESIDENT'S CHATTER**

### **SHOP TIME**

Here we are mid-winter. The lower temps and winds have discouraged any outdoor flying and the Covid scare has put a damper on any indoor flying. Here I am in the shop working on the floats for the Telemaster I built earlier the winter. I am hoping I have them done enough for a show-n-tell at the next meeting. Let's see some of your projects at the next meeting. Weather suitable for outdoor flying will come soon so let's get finishes on those winter projects.

Jeff Slater

## **MEMBERSHIP NEWS**

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

About 50% of last year's members have rejoined for 2022. This is a little less than last year at this time. If any of your friends have not rejoined, please encourage them to do so ASAP. The 2022 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. 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.

The next meeting will be at the Coon Rapids Civic Center on February 17 at 7:00 PM.

Stan Zdon

## **A LOOK BACK**

### **FEBRUARY 2004**

18 YEARS AGO

Long time ACRC member and all around good guy, Ray Gruetzman took his final flight. He enjoyed early aviation designs, particularly biplanes. Ray was also a skilled model railroading enthusiast. Much of his work is still on display at the St Paul Model Railroad Club exhibit.

Attached to the newsletter was a fuel order sheet. Omega 10% for \$11.49. Sigh.

Brian Dorff volunteered to CD the June Pattern Contest and the Bob Arko Memorial Fun-Scale contest in July.

### **FEBRUARY 1994**

28 YEARS AGO

A call for volunteers was put out for the upcoming Apache Mall Show.

From sunny Florida comes word of a Float-Fly at Don McGillivray's Isanti Lake Home in July.

3 Photos of the January Freeze-Fly were published. Unfortunately, the participants

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appeared as silhouettes on snow, asking the question: WHOZZEDAT ?

Another fuel order blank: Omega 10% for \$9.00. Double Sigh...

Tim Karash

## FROM THE VEEP

To say the least, I don't have much airplane related news to talk about this month. I spent a couple of hours working on motor mount designs to 3D print, but nothing is finalized yet. Instead, I'm going to talk about canoes. Before you roll your eyes and move on to the next section of the newsletter, let me say that I will tie it all together in the end.

This past weekend I had the opportunity to head down to my parent's house to help with my dad's latest project. He had the idea to build a wood canvas canoe. I should mention that my dad is really into canoes (he has six different canoes spread around his garages and workshop), mostly wooden ones. My brother and I helped him built a cedar strip canoe many years ago and we have used that canoe on many occasions (it looks a bit rough on the edges by now.) This new canoe is partially to gain experience building in the wood canvas style so that my dad can get around to restoring a couple of very old, very ragged looking canoes. There is also a likely chance that I will buy the canoe from him when we are done building it so that my wife and I can paddle around local lakes.

But I digress. Part of why I like to build RC airplanes is because, like many of you, I enjoy woodworking. As we were working on the canoe, I realized just how similar it was to building an airplane. Wood canvas canoes have a series of ribs that form the main shape of the watercraft. These are roughly equivalent of the ribs in airplane wings or the formers in a fuselage. On top of the ribs goes a layer of wood sheeting, usually glued onto the airplane, but fastened to the canoe with brass tacks. The final layers of the canoe are made up of a canvas covering and paint, not unlike some of the finishes we put on a classic scale aircraft.

The main step that my dad, brother and I were tackling this weekend was bending the ribs of the canoe over the form. This involved soaking the pre-cut cedar ribs (don't mention the state of the hot tub to my mom, that's still a sore spot) and also steaming them for about an hour prior to attempting the seemingly impossible task of making the tight bends around the form. In this process we were effectively liquifying the lignin that holds the cells together, which allows amazing things to happen. Not surprisingly, hobbyist will do something similar to the various types of wood that go into their models to make the compound curves found on airplanes.

I will say, I have often been intimidated by the little bit of soaking and bending that I need to do on my 22-year-old Piper Cub, but after seeing what we could do with the cedar, I am no longer afraid. I still make no predictions on when that J-3 will make it airborne.

Ryan Kontak

## ACRC MINUTES

5 Members present, plus board

### Board present:

Jeff Slater, Stan Zdon, Ryan Kontak, Tim Karash, Bob Barton, Marc Tellevik

### Membership report:

43 renewed members to date.

### Treasurer's Report:

Income:	\$2187.00
Expense:	\$120.00

### Safety report:

None

### Events:

Spring fly-in tentatively scheduled for May 21.

### Training:

Will resume in April, weather permitting.

### Old Business:

Calendar sales this year brought in \$252.48 toward the runway fund.

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The TCRC Annual Auction has been postponed until April 30th. The auction will be held at the same church in Bloomington.

Cheap A\$\$ model contest possibilities discussed. Nothing has been set in stone, however these discussions may lead to other friendly competitions.

**New Business:**

The AMA has made grants available for club promotional activities, however the timeline for grant requests is very short at less than 30 days.

Civil Air Patrol at Fleming Field in St Paul, on May 7th. It will be a static showing for R/C Aircraft. Full-scale flight will take place throughout the day.

**Show and Tell:**

Ryan Kontak brought 2 electric motor mounts that he designed using a Dave Brown nitro mount as a starting point. Ryan had a coworker 3D print his designs, incorporating nose wheel mounting and ingenious hardware to secure the motor. The first was 100% infill, sturdy but heavy. The 2nd used 35% infill to lighten the mount.

Jeff Slater brought a new 8' Telemaster that he has named Diane. Jeff has built multiple Telemasters over his career. He needed to make 2 minor modifications for electric power and ventilated the firewall for cooling. Lack of cooling air exhaust openings had opinions flying left and right. All up weight of 9.9 lbs ready to fly. Jeff will add floats; he also used transmitter adjustments to add multiple levels of aileron differential.

**Raffle:**

- |                        |               |
|------------------------|---------------|
| Scorpio Models Hellcat | Bob Barton    |
| Futaba servo           | Jeff Slater   |
| Mini clamps            | Dennis Buster |
| Hdwr servo screws      | Virgil Okeson |
| Hdwr servo screws      | Marc Tellevik |
| Hdwr nylon washer      | Scott Oleson  |

Tim Karash

# SAVE THE DATE

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 7, 2022 at the South St. Paul Fleming Airport from 10:00 AM to 4:00 PM* Set up for exhibitors should begin about 9:00 AM.

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.

The event should feature full scale modern, vintage and warbird airplanes and hopefully many ACRC models. There may be air rides and there will also be seminars, interactive displays, engine runs and other exciting events. There will be more information to follow, but I wanted to give interested club members an early heads-up.

Jim Zuales (fellow Delta A-320 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**. There may be a possibility of indoor flying (not sure about this as of this writing), so bring any of your micros that might be flyable. Also I would like to have several laptop and/or desktop RC simulators set up to let the cadets try their hand at flying. We would also like several gas and/or glow models for a mass run-up with lots of smoke and noise.

Please let me know if you can make it and what model(s) you might bring (scale, micro for indoor flying, mulit-rotor, simulator, etc.). My contact information is below. Feel free to email, text or call.

Thank you.

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



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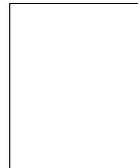
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*Ryan Kontak*

*Bob Moser*

*Jeff Slater*

*Stan Zdon*

## ACRC SPONSORS

King Kong Hobbies  
Woodworking Plus  
Blackjacks Asphalt  
Rivard Companies

## CALENDAR OF UPCOMING EVENTS

Thursday – February 17

- ACRC Meeting-Civic Center

Thursday – March 17

- ACRC Meeting-Civic Center

Thursday – April 21

- ACRC Meeting-Civic Center

Thursday – May 19

- ACRC Meeting-Civic Center

