



ACADEMY OF MODEL AERONAUTICS CHARTERED CLUB #1255

SERVO CHATTER

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THE MEETING ON THURSDAY, FEBRUARY 20, IS AT RIVERWIND!!!

PRESIDENT'S CHATTER

MIDWINTER DOLDRUMS

The sales, swap meets and auctions are all in the past. Spring has not yet arrived. The weather doesn't want to cooperate for any outdoor flying. There are some indoor events yet in February and March.

I have pulled a Carl Goldberg 120 size Sukhoi SU 26 from storage. This was a 1989 kit model no longer available. I have a plan for electric power. My choices are the E-flite Power 90, 110, or a 160. First thought is the 160 but the instructions warn against over powering. That may be due to vibration of larger gas motors but, since I am going electric I won't have that problem so the 160 will be my choice.

I hope everyone has a project to keep you busy until our spring fly-in. Maybe someone will win the Waco at our next meeting. Bring your projects for the show-n-tell.

Jeff Slater

VICE PRESIDENT

We have been getting off to a very mild winter so far; let's hope it continues and we wind up with an early flying season!

A few flyers and I attended the TCRC auction in Bloomington this weekend, Wow what a huge event! I was unable to purchase anything but do make sure you attend next year if you are planning to expand your hangar.

I am hoping to be traveling back to Pueblo Co. this summer and visiting the Sky Corral RC field again to see how their runway resurfacing held up. They experimented with a fabric overlay over their aging asphalt runway last year and they are very happy with the results so far. I am hoping this will be a money saving alternative to a complete replacement.

As of February 5 we have only 5 tickets left for the Waco ARF drawing, make sure to come to the club meeting on February 20. There were only a total of 25 available @ \$20 ea. (if you are unable to make it to the February 20 meeting email me at vicepresident@anoka-rc.com to purchase a ticket). This is a very cool larger plane that can fly on Electric or fueled power. Keep in mind this is a separate drawing from the regular raffle drawing; we will be giving away a transmitter case, some battery testers and other various flying and building items.



Lastly, I recently renewed my AMA membership. This year I elected to receive the Model Aviation magazine on digital rather than print. One great benefit to the digital is you have instant access to

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every magazine dating back to when they first started digital back in 2012. Now any article that I want to go back to is easily available, and choosing a print size that's easy on older eyes is fantastic!

Tony Hahn

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 2020. 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 2020 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 **Riverwind** on February 20 at 7:00 PM.

Stan Zdon

A Look Back

February 2002

18 Years Ago

A small break from January weather brought out a few brave souls to the field. An unnamed pilot attempted a maiden flight, however, the radio configuration was not double-checked. What was thought to be an inoperative switch actually changed nearly every control surface setting. Three seconds of terror was followed by a spectacular crash into the frozen ground. Two servos, a receiver, and a battery survived. I think there is a lesson here.

Upcoming events include a mall show, multiple Fun-Flies, a pattern contest, a Float-Fly, and a Scale Master's qualifier on the list.

February 1992

28 YEARS AGO

President Jeff Slater (!) announced the board has suggested the membership meeting format be slightly changed. The Show and Tell portion of the meeting is to be inserted between board reports and business discussions.

Jack Cottington's Who's Who column shown it's spotlight on Jim Haran.

Pattern, Fun Scale, and Fun-Fly contests plus a Mall Show dotted the 1992 calendar.

Dan O'Link gave detailed instructions on how to rework a standard Futaba S-28 servo into a powerhouse screw drive mechanism. Dan needed slow but strong actuation of the flaps on a B-17 project. A normal S-28 has 48 oz/in of torque. Using the same servo motor, Dan's screw drive mechanism pushed a kitchen scale past 10 pounds of force, however it takes 52 seconds to move just over 1 inch.

Tim Karash

ACRC FUNDRAISER

I do believe the demand for new calendars has subsided. We would like to have all remaining unsold calendars returned or paid for at the February membership meeting. Those with unpaid calendars are:

Marc Tellevik
Duane Orson
Jeff Flander
Joe Boettcher

Please bring the unsold calendars or payment to the next meeting, or contact me if special arrangements are needed.

Tim Karash



ACRC MINUTES

14 Members present.

New member& visitors - None

President: Jeff Slater started the meeting at 7:06 and greeted all present.

Vice President:

Tony Hahn showed the Waco ARF that is being raffled off. Nineteen tickets remain.

Membership report:

50 members signed up so far for 2020.

Events:

The next event is the Freeze Fly on January 1.

A Pattern Contest is scheduled for June 13 & 14.

Safety report:

No safety issues in the past month.

Treasurer's Report:

Income: \$925.00

Expenses: \$140.00

Training: - Training is finished for the year.

Old Business:

Tim Karash reminded members to sell calendars.

New Business:

The new rules from the FAA affecting model aviation were discussed.

Show and Tell:



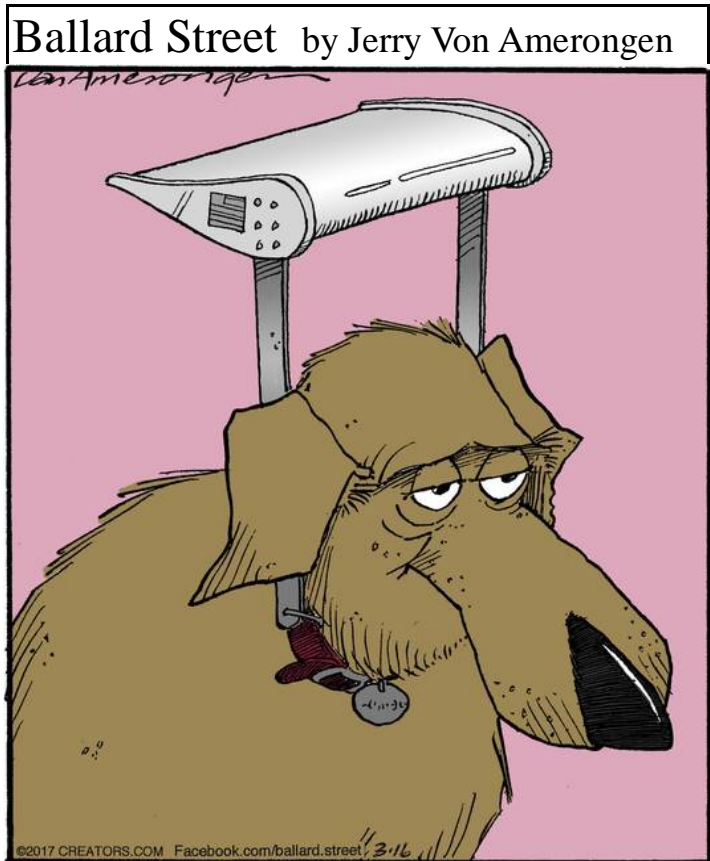
Paul Rono showed one of the combat planes being sold by Marshall Mills from St. Paul R/C. See last months newsletter for cost information.

Ryan Kontak showed a spinner wrench for electric motors.

Raffle:

1st	Tony Hahn	SIG Something Extra
2nd	Bob Barton	Wrenches
3rd	Paul Rono	Battery checker
4th	Bob Barton	Transmitter case
5th	Bruce Martin	LiPo alarm
6th	Marc Tellevik	Modeling knives
7th	Paul Rono	Magnetic part holder
8th	Jeff Slater	X-Acto knife
9th	Paul Rono	Small screwdriver
10th	Jeff Slater	Servo mounting tape

Stan Zdon



Airflow over the wing creates a down force, keeping Clover solidly on the ground during excitable moments.



BUILDING TIPS

A sanding tip: Many models require sanding or shaping balsa wood, especially for nose blocks and wing LEs. Often the part to be shaped is adjacent to a delicate fuselage former or rib. Although it is tempting to grab the sanding block or bar and dive right into the task of shaping, some thought should be given to protect the surrounding areas (fuselage sides, ribs, etc.) from unintentional sanding. These delicate areas can be spared from inadvertent shaping by strategically applying masking tape over the area to protect it. After the bulk of the shaping is completed, remove the protective tape and use fine-grit sandpaper to feather the protected area into the newly shaped part.

Tape hinge help: Tape hinges have become a popular way to rig control surfaces on electric models because they are quick and easy to prepare and leave a clean gap/sealed hinge line. Applying the tape hinge itself, however, can turn into a mess if your parts move around during the hinge-application process. To make a beautiful, straight, and evenly spaced tape hinge, first lay out parts to be hinged on your building board, carefully setting the distance between control surfaces using an appropriate spacer (scrap of cardboard, plywood, music wire, etc.). Now use a low-tack masking tape and tape the parts to your building board to retain the part placement and hinge line spacing. With the parts held firmly to the building board, there is no need to worry that your hinge line might shift. Proceed to apply your tape hinge directly across the hinge line, then use a sharp knife to trim away the excess hinge material.

A glue tip: Instant-set thin CA glues can be challenging to work with because the watery nature of the product (low viscosity) can lead to the glue running long distances over and even through balsa wood. These instant-set glues have a reputation for traveling several inches through the pores in balsa wood, curing instantly upon contact with a hand or finger. To prevent getting a finger stuck to your work, wrap the fingertip(s) that will be used to hold parts in place during

bonding with masking tape. The CA glue will not readily stick to the tape.

Perfect holes in covering: Many entry-level models use dowels passed through the fuselage to retain the wing during flight. These dowels are installed after the covering process, and it can be quite difficult to navigate a sharp hobby knife accurately enough to trim out a perfect circle through the covering. To prevent making a mess of things with the knife, leaving all sorts of gashes in your fine covering job, you might take this tip to heart. To make a perfectly round hole through covering, fire up a fine-tipped soldering iron, pass it through the center of the hole to be cut, and rapidly draw it around the hole's edges. This tip has applications well beyond placing holes for wing-retention dowels. It works great for wing-bolt holes, stabilizer slot LEs, and finishing off any other tight-radius penetration through the covering. Clean your soldering iron immediately to remove the residue from the covering.

Sharpest tool in the shed: When you were a kid, you had a printwood kit and a dull razor blade. Now that you are an adult with an income, do yourself a favor and buy blades in bulk packs. Use only the sharpest blade for your detail and finish covering work. When working with film coverings, especially the thinner and lighter coverings so popular for park flyers, frequently replace your worn hobby blades. Drawing a new blade through plastic covering and into a cutting mat or glass work surface significantly dulls the blade tip, so that after three or four cuts, the blade will begin to snag rather than cleanly cut the covering film. It is especially important that when attempting to trim covering directly on the model. Use a new, sharp blade because the fresh blade will take less effort and pressure to draw across the covering, leaving a finely trimmed edge with little risk of snags or tearing.

Bill Stevens
Stevens AeroModel



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CALENDAR OF UPCOMING EVENTS

Thursday – February 20

- ACRC Meeting-Riverwind

Thursday – March 19

- ACRC Meeting-Riverwind

Thursday – April 16

- ACRC Meeting-Riverwind

Saturday – April 18

- ACRC Fun Fly #1

Thursday – May 21

- ACRC Meeting-At Field

Saturday – May 23

- ACRC Fun Fly #2

