



WRCC

News
April
2011

Publication of the Wichita Radio Control Club

AMA Club 316
IMAA Chapter 371

2011 Club Officers

President:

Marvin Blankenship

Vice-President:

Mark Kilby

Treasurer:

Terry Powell

Secretary/Newsletter:

Dawn Morse

Safety Coordinator:

Mike Tallman

Webmaster:

Richard Bereman

Club Address:

WRCC
c/o Kansas Aviation Museum
3350 George Washington Blvd
Wichita, KS 67210

A Word from the President:

The Exploration Place invited us to provide a static display and do a flight demonstration! The event was a great time. We got to fly an indoor aircraft in a multimillion dollar facility with a new audience every 10 minutes. What Fun!!!!

Thanks Dawn, Gene, Alex, and Terry G for setting up and representing our Club.

I enjoyed visiting with people and sharing our passion for our hobby. It was great exposure for our sport and our club.

Be sure and check out the raffle prize for this month. I have purchased a Epp Sbach. This little gem is powered with a Hacker brushless electric motor and a HackerX series speed controller. Also included with is a new Rino 360 2-cell charged and ready to fly. Receiver is a DSM2. The airplane has a custom paint job. Total weight is only 5 ozs ready to fly indoors. This is a floater! Whoever wins this one will enjoy how it flies. To finish out the raffle, I will pick up an assortment of goodies from The Hangar.

~Marvin

April Meeting

The April meeting is on Thursday the 28th at the Kansas Aviation Museum, 7:00.

Come find out what's going on with the club and catch up with fellow enthusiasts.

Agenda items will include:

- Field reports
- Upcoming events
- Monthly Raffle

We look forward to seeing you there!



Inside this issue:

Word from the President....	1
April Meeting.....	1
Newsletter Submissions.....	1
Winter checklist.....	2
Propeller Prep.....	2-3
March Meeting Notes.....	3-4

Read your newsletter
online at
www.wichitaradiocontrolclub.org



Newsletter Submissions:

Submit your stories and pictures to the WRCC News! Deadline is the 2nd Friday of each month. Include your contact information and send e-mail to newsletter@wichitaradiocontrolclub.org

Winter Checklist (it's not too late!)

Editor's note: this article was submitted by a member, but did not include the information on who to credit.

Here's a check list of items you might look over during those long winter nights (or cool spring mornings, now) when you've become tired of working on that new super duper wonder plane that your building for next Spring. Many of these items are small, but just a little attention to detail could save a plane from a crash. Check for:

- € Loose servo mounting screws.
- € Worn clevis pins (plastic clevises) or worn threads (metal clevises).
- € Flexing push rods.
- € Loose horns.
- € Loose or broken hinges.
- € Put fuel tubing keepers on all clevises to keep them closed.
- € What do the servos sound like in operation. Do gears sound worn or does the servo sound like it's straining or slow? Is there any binding in the pushrods or control surfaces?
- € Loose engine mounting screws.
- € Loose muffler screws.
- € Leaks in fuel system (tank stopper, fuel hoses, brass tubing etc.)
- € Check capacity of receiver and transmitter batteries.
- € Cycle nicad for glow plug.
- € Check for broken glue joints.
- € Tighten up covering with heat gun.
- € Clean transmitter.
- € Check receiver switch. If intermittent then replace.
- € Check for chafing wiring in plane and antenna.
- € Plug and unplug wiring 2 or 3 times to remove corrosion.
- € Center trim levers if they aren't already (adjust clevises).
- € Check for frayed wiring on starter.
- € Clean out field box and rearrange.



Preparation of Plastic Propellers

by Joe Wagner

The following was received from Ken St.Clair by e-mail.

This tidbit was received by Ken from Joe Wagner via e-mail.

Plastic props (such as Master Airscrew) have sharp leading edges and tips because that's the way they emerge from the molding dies. It would add a LOT to the selling price if the manufacturer deburred those razor-like edges at the factory. Several years ago Model Airplane News published an article of mine about model props, in which I recommended rounding off the leading edges and tips of molded plastic props. I said doing that would not only make the props safer, but would actually improve their efficiency. There were three interesting results from that article. First, Windsor (makers of Master Airscrews) immediately cancelled their advertising in MAN. Second, the publishers of R/C Report performed a series of tests to check my statement that a rounded leading edge makes a propeller work more efficiently. They got even better results than I did, and published an article saying so. Third, in a few months Windsor began an advertising campaign in other model magazines, containing "safety recommendations" IDENTICAL to mine in the earlier MAN article. Sharp TRAILING edges DO maximize model airplane propeller efficiency. Rounding off the trailing edges of, say, an APC prop will noticeably reduce Con't on page 3

its effectiveness. However, it's not the TE that digs into your flesh when a prop "bites" you. It takes only a minute or two to round over the leading edges and tips of a molded plastic prop. (My preferred method is by scraping with a sharp, rigid steel blade. Some abrasives also work -- it depends on the material the prop's molded from.) Compare the time it takes to "deburr" a prop to the time it takes just supplying the "paperwork data" to the Admitting Nurse in a Hospital Emergency Room... True, a "deburred" propeller is STILL a dangerous device. On my own carefully-radiused Graupners and MasterProps the leading edges are probably sharper than the blades of most power lawnmowers -- and have higher tip speed too. But at least I won't badly slice two fingers just lifting one of my models out of the car -- as happened to one of my friends last summer who used the "buy 'em and fly 'em as is" method with his plastic props.



March 31, 2011
Wichita Aviation Museum
Meeting began at 7:00

Marvin Blankenship called the meeting to order.

Minutes of the February meeting were presented.

Visitors: none

Reports:

Safety – no report.

Website – published newsletter. Combat and racing have not yet been updated.

Newsletter – please send articles.

Chapin – Jerry Salter reports that they started working on the Chapin mower maintenance. The mower from Beech needs a battery – will not start by itself. Will go look at the Afton mower after these are done. Got a motion and second to buy a new battery for the Beech mower. Approved.

Beech – field is now closed. Mrs. Tregallas reports that she will share info about where the flying will be relocated.

Afton – Don Pemberton reports the preliminary work is being done to install shelters. Ready to dig holes to pour cement once they have the shelter measurements from the Beech shelter. Materials to install the shelter will cost \$404.88. Cement will cost about \$550. Motion and second to give Don \$500 for materials, and \$1000 for the project. Approved unanimously.

Auction – Fred Harvey reports the auction went reasonably well. Had more items than they expected, but it certainly was a "buyer's" market. Had one buyer who got out paying \$145 for a multiple-listed item. Will probably not recover that money. Another person was overpaid, but did return his money. Terry Grimes gave a final report of auction finances.

Treasurer – Terry Powell gave report

Trainer – Jerry reports that he has flown it 3 flights. Has a new 5-cell battery that was donated. The plane is ready to fly. He’s got 3 trainees ready to fly once the weather and schedules synch up.

New Business:

Exploration Place is celebrating Wilbur Wright’s birthday. We have been invited to have a display and do an indoor flight demonstration. Marvin is coordinating volunteers.

Check out other upcoming events in the newsletter and watch the calendar.

Bill Schmidt will be having a workshop on tissue-skinned models at Botanica. 10:00 on Saturday April 23rd.

Marvin asked for mowing volunteers at Chapin. Please contact Marvin to get into the rotation.

Open discussion:

Loren has got the other Craftsman Beech mower running. We need to decide what to do with it. Ideas include:

- Auctioning it off
- Finding a storage place
- Saving it in case Beech does reopen.

If you have any thoughts – please let Marvin know.

The group took a break.

Show and Tell:

Larry Tener showed his Slow Stick. Says it’s got plenty of power to fly straight up. Has 1800mil battery pack, and had to add some lead. Comes as a kit, and says it “builds in your lap.” Has a \$9 Hobby King receiver on it. Uses his new DX7 transmitter.

Attendance Drawing:

Dawn Morse won the attendance drawing of \$20. Next month goes back to \$5.

Raffle:

Gene Morse	Richard Thompson	Wayne Lawrence	Terry Grimes
Matt Tener	Jim Sheils		

Meeting adjourned