



OMAHA NEBRASKA
AMA 857

TAILSPIN NEWSLETTER

July 2016 Issue

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A Word from the President



Don't let these Nebraska winds get the better of you and your flying time. There's lots of good flying either early in the mornings or the evenings. Not only less direct sun and lower temperatures, but typically the winds are down too.

We had a decent morning with the *Open House Fun Fly*. But the winds picked up by the end of the day. The field was in good condition as usual.

Be sure to check the club's schedule of events at the bottom of the newsletter. We've got a few fun flies coming up.

We're holding our own as a club with approximately 38 members. Our expenses are very low, and the club is well off financially. Discussion at the field during our quarterly meeting on July 11th, led to an exchange on how we can increase our numbers and interest in flying at Mead. Nobody thought it a bad idea to try and do so. But the big question is how to interest our youth in this hobby.

I know you all like pictures, and there are plenty of them in this issue. See you at the field!

Thanks!

~ Rick Miller

Next Quarterly Meeting:

7:00PM Tuesday October 4, 2016

Mead Field



Vice-President's Corner



It's been pretty hot lately so I haven't been out much to the field. I did get my big Extra out once. Had a little trouble with the rudder servo but its fixed now.

Our Open House fun fly is the 10th but it will be over by the time the newsletter is out. Hope it was a good one. See you next month.

Go Fly!

~ Rick Haneline

Treasurer's Report



Now that flying season is well under way I have been getting out to the field two or three times a week weather permitting. My hat is off to the mowing crews as the field is in great shape.

Member renewals continue to trickle in and we are at 39 members as of this writing. Hope you all continue to have a great summer and will be looking for you at the field.

Your Treasurer

~ Dean Copeland



Quarterly Meeting Minutes



Meeting called to order by President Rick Miller 7:10 PM. (13) WRCF members present.

Rick discussed the change in meetings. He suggested the possibility of holding more frequent meetings during the 'warm weather months' at the WRCF Mead site.

There needs to be planning and arranging for volunteers to assist with the summer flying events, therefore the need for more meetings. Rick will send email requesting volunteers to assist with the upcoming **Bud Hall Large Airplane** meet in August.

Treasury/Membership: WRCF Treasurer Dean Copeland was unable to attend the meeting. Jim Henley mentioned that Dean had discussed the treasury and membership with him. As of July there are 38 members. The treasury is in good shape; Rick Miller said that the food donations were doing a good job of covering the expense for the lunches provided during the recent events. He also said that someone had donated a set of blades for use with the diesel mower.

Conditions of the field: Thanks for the club volunteers that are doing the field mowing and doing maintenance. The diesel mower was discussed; there are some issues with getting it started. **LeRoy Konecky** volunteered to assist Rick with checking it out.

Maintaining and Increasing Membership: Possibly have 'business cards' for members that offer a 'free demonstration flight' to interested people. More advertising for events with local newspapers; posters in the hobby shops. **Nelson Carpenter** volunteered to produce a flyer suitable for posting in stores/gas stations. **Tim Peters** discussed an initiative in Omaha to get more young people interested in aviation. There is a church group of 120 kids ages 8-10 that will be the initial target for this project. Contact Tim if you are interested.

Final Meetings for 2016: Rick said there is a need for a quarterly meeting at Mead in October (*date to be determined*) and a final meeting December (*date/location to be determined*). The December meeting is for the annual election of officers to serve in 2017. Meeting adjourned at 7:20 P.M.

Show-and-Tell: The weather was perfect for flying. Here are the aircraft seen on the ground and in the air:

Loren Blinde: Electric *Telemaster 40* and his Bill Evans "*Slow Motion*".

Jack Berry: Jack brought a good looking Bill Evans "*Scimitar Slow Poke 15*" powered with an Eflite Power 25. (If only Jack had remembered to bring his lipo along...)

Nelson Carpenter: Nelson was taking continuous video of the goings-on with his Mobius dashcam. A 64GB memory card provides storage for HD video. Nelson also displayed some smooth flying with his *Hangar 9 Pawnee*.

Doug Clemetson had his '*John Deere Quaker*' out with several brief flights. Problems with the motor kept the plane grounded.

Jim Henley had his twin cylinder *Sig Spacewalker* and treated us to some good flying.

Rick Haneline brought an *Astro Hog* with Enya 60 motor. The *Astro Hog* had some in-flight flutter that caused an '*unplanned touchdown*'. Damage looked minimal; hopefully it will be back the air soon.

Tom Wild had a "*Mark's Models Bushwacker*" powered by an OS .15 Ball Bearing CZA. Tom said the motor was originally designed for r/c cars and was later developed into an aircraft engine.

Steve Rasmussen showed his 30-year-old *Goldberg 'Eagle 63'*, powered with Enya .46. He did some good flying assisted by Nelson.

Mike Lawver's "*Acroworks YAK*" with OS91FS looked good on the ground and in flight. Mike also showed a *Great Planes CAP* with Eflite motor.

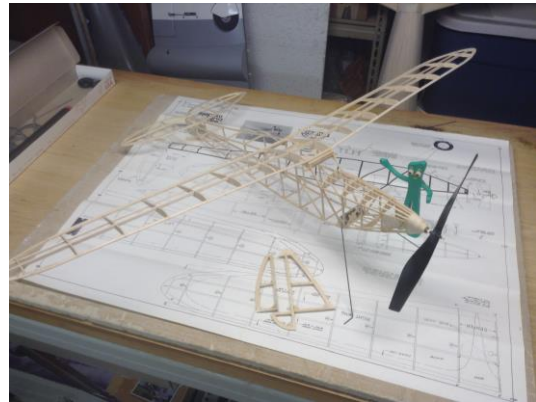
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Larry Woscyna: Quaker with OS Electric 5010. The 5010 is comparable to an OS FS .52 nitro motor.

Leroy Konecky: Diamant 25 Electric and Katana Profile with OS .46 nitro.

Rick Miller showed a ShowTime 4-D plane powered by CRRC 26R Pro gas motor.

Tim Peters flew an Airtronics "Olympic 99" sailplane equipped with FPV camera. He also flew his home-made quadcopter.



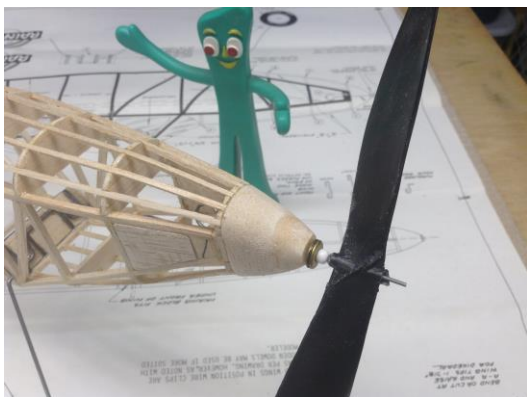
Building Up-North Country

Report by Jim Drickey
the "Rubber Band Man"



I'll be brief this month: Mechanics of nose block, brass bearing tube in nose block, surface washer is brass double face with ball bearing, glass bead and prop, added balsa sides in nose area for handling.

Gumby likes the progress made!



Website: <http://www.weflyrc.org/>

Motorized Riser

Report by David Miller

I made some progress since the last month's report for the newsletter. I am now working on the wings and have almost completed the fuselage. Only thing left to do in the body is to drill and tap the wing mounts, put Velcro down for the battery. Then finish my hatch cover.

I had covered the fuselage, fin, rudder, stabilizer and elevator. The elevator was a real pain in the bottom for me to cover.

The spinner that I ordered was the right size (45mm), glad I didn't order the 50mm. You can see that the plane is going to be in 3 colors. Solid orange, transparent burnt orange and transparent red. For the wing colors, outer wing panels will be transparent red, inner wing panel will be transparent burnt orange and from the leading edge to the spar will be solid orange.

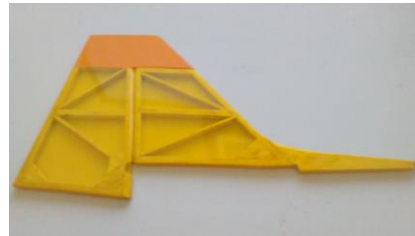
The motor will be the same type of motor that I have in my *Spectra*. It is called the *Turnigy Glider Drive SK3 Competition Series* -3850 - 3.5 960kv. The ESC will be *TURNIGY Plush 40amp Speed Controller w/5A BEC*. And the battery will be a *Turnigy 2200 3S 30C Lipo*. And I am thinking the folding prop will be an 11x6 or a 12x6.

Since my radio is a *FlySky FS-I6*. I had ordered two FS-IA6B receivers, these are full range and telemetry RXs. The one that came with the radio and that is in my *Spectra* is a "Park Flyer" receiver.

It will probably be done by mid-July, I need to order some more stuff for it. But that can't happen till after July 1st.

I am also going to buy another Riser 100 and maybe a *Bird of Time* kit for a winter build. Well, that is about all that I have been up to lately. As long as the heat wave is going on, I won't be at the field much. Maybe in the early morning hours.

See ya at the field some time.



~ July Old Timer and Glider Fun Fly
Saturday 16th ~

'JUST DRONE-ing ON'

By Tim Peters

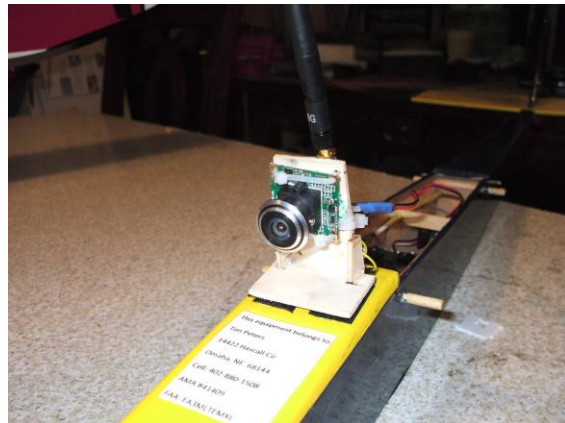


'Just DRONEing on' about recent activities:

1. Bud Kilnoski's R/C yard sale June 11 looked like a big success. I took my good friend and former R/C flying buddy Ray Pancake to check things out. Lots of WRCF members in attendance. Saw and talked with Tom Wild, Loren Blinde, Jud Bock, Larry Woscyna, Rick Haneline, Dean Copeland, and Ron Pacana. I tried unsuccessfully to ignore Bud Mitchell's usual commentary about my upbringing and piloting skills.
2. Recently testing a FPV TV camera setup on my 'golden oldie' Olympic 99 sailplane. It uses a CCD video camera and 250 mW transmitter (requires FCC license) mounted in front of the wing. The video displays on a tripod-mounted video receiver/monitor ground station. I tried the setup for the first time at the June 18 WRCF Fun Fly and am real happy with the results. The sailplane is large enough that it is easy to spot quickly and it flies slowly enough for me to keep up with it while flying 'through the monitor'. (see Olympic photos)
3. Yet another of my drone airplanes is in the works. This one is a Sig Sealane seaplane which has conventional landing gear. (I bought the Sealane from one of Bud's yard sales a few years ago.) It uses an APM 2.6 autopilot with an OS .40 (nitro) for power. I did some test flying on it on July 4th, using normal flight mode and in stabilize mode. Stabilize will make automatic corrections to maintain straight-and-level flight. For example, when airborne, if you give up-elevator and let go of the transmitter sticks, the autopilot will add enough down elevator to get back to a level flight. Once satisfied with the setup I will make another attempt at programming waypoints for autonomous flight. This is not too far removed from the kind of testing done by the University of Nebraska (and WRCF's own Dean Copeland). The autopilot electronics I use cost less than \$100! (see Sealane photos)

4. I've become interested in earning the FAA sUAS (small Unmanned Aircraft Systems) certification. This is for commercial (non-hobbyist) use of drone aircraft within FAA controlled airspace. The FAA has a web site that you can register and take on-line 'classes'. (Classes cover a lot of topics and are free.) Recently I worked through the on-line materials and took the exam for the 'Part 107 sUAS certification'. I passed the exam and received a 'Certificate of Achievement'. To earn the 'real certificate' you have to pass a similar exam at a FAA testing center. Omaha has two testing centers; one at UNO and the other at the Millard Airport. I plan to sign up for the first testing session to be held sometime in August. (see .gif for cert)

Done DRONEing for this month!



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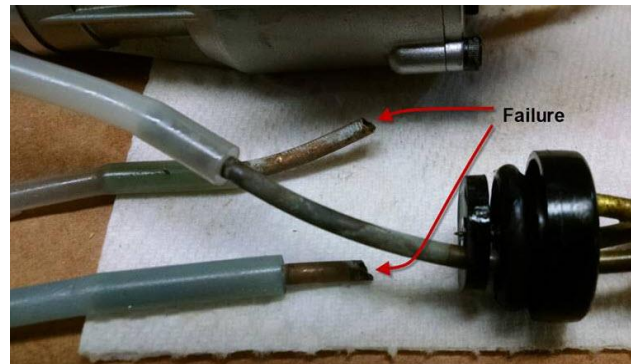
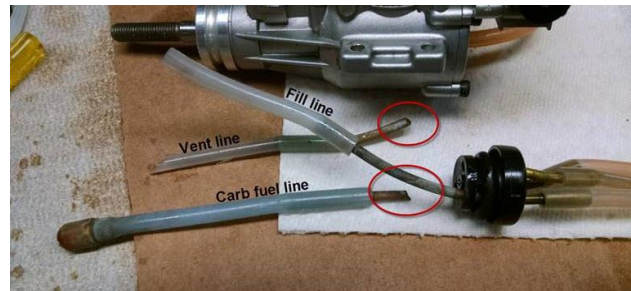
Erratic Motor Surge

By Nelson Carpenter



As some of you witnessed at one of our club's fun fly last month, my *Hangar 9 Pawnee* cropduster was running erratic at the low speed end. The *Saito .91* four-stroke was surging high and low at idle. I suspected a fuel line was sucking air. I was correct as learned by pulling the tank and examining it internally. The brass tubing had eroded where it passes through the rubber plug and on the inside of the tank. Pictures are worth a thousand words, so attached you will find three photos that pretty much lay it out.

Moral of the story is to overhaul your airplane's tank sooner than every six years. Also, never throw anything - SAVE everything. I easily found a brand new tank in my "box of tanks" that has replaced the failed one.



Spring Fun Fly

Held at Mead Field June 18th. Perfect weather and great attendance.
Photos by Tom Wild, Rene Mayo, and Nelson Carpenter



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Spring Fun Fly Cont.



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Spring Fun Fly Cont.



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Spring Fun Fly Cont.



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Spring Fun Fly Cont.



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Spring Fun Fly Cont.



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Spring Fun Fly Cont.





~ 2016 Western R/C Flyers Event Schedule ~

January 2016

- **Wednesday, Jan 7th** - Club Meeting 7pm, NRC, Natural Resources Center, 8901 S. 154th St.
- **Saturday, Jan 17th** - Strategic Air & Space Museum's Indoor Air Show 2015

February 2016

March 2016

April 2016

- **Tuesday April 5th** - Club Meeting 7pm, NRC, Natural Resources Center, 8901 S. 154th St.
- **Saturday, April 16th** - Old Timers Fun Fly with Glider Fly - Starts at 9:00am with flying until 3:00pm.

May 2016

- **Saturday, May 21st** - Old Timers Fun Fly with Glider Fly - Starts at 9:00am with flying until 3:00pm.
- **Saturday, May 28th** - Scale Fun Fly and Swap Meet at Mead Field starting 9am.

June 2016

- **Saturday, Jun 18th** - Annual Spring Club Fun Fly at Mead Field starting at 10:00am. Open flying.
- **Saturday, June 25th** - Old Timers Fun Fly with Glider Fly - Starts at 9:00am with flying until 3:00pm.

July 2016

- **Tuesday, July 12th** - Club Quarterly Meeting 7pm, MEAD FIELD bring a plane, open flying.
- **Sunday Jul 10th** - Western Flyers Open House Fun Fly. Starts at 9:00am with flying until dark.
- **Saturday, Jul 16th** - Old-Timers Fun Fly with Glider Fly - Starts at 9:00am with flying until 3:00pm.

August 2016

- **Saturday, Aug 20th** - Old Timers Fun Fly with Glider Fly - Starts at 9:00am with flying until 3:00pm.
- **Saturday, Aug 27th** - Bud Hall Large Aircraft Fun Fly. Aircraft restricted to IMAA criteria. Landing fee \$10.00 provides lunch and flying. Rain date Aug 28th.

September 2016

- **Tuesday, TBD** - Club Meeting 7pm, MEAD FIELD - bring a plane, open flying.
- **Saturday, Sep 17th** - Old Timers Fun Fly with Glider Fly - Starts at 9:00am with flying until 3:00pm.

October 2016

- **Tuesday, TBD** - Club Meeting 7pm, NRC, Natural Resources Center, Chalco Hills Recreation Area, 8901 S. 154th St.
- **Saturday, Oct 15th** - Old Timers Fun Fly with Glider Fly - Starts at 9:00am with flying until 3:00pm.

November 2016

December 2016



Western R/C Flyers Inc. 2016 Membership Application

Please print clearly!

Name: _____

Street: _____

City: _____ State: _____ Zip: _____

Evening Phone: _____ Day Phone: _____

Email: _____

AMA Number: _____

Amount Paid: \$ _____

2016 Dues: \$35 (Renewals should be paid by **April 1**) New ___ Renewal ___ (Check One)

Sign Here: _____ Date _____

Membership subject to approval. AMA membership is required.

Make Checks Payable to: Western R/C Flyers

Complete this form and send with check to WR/CF Treasurer:
Dean Copeland 15668 Fountain Hills Dr. Omaha, Nebraska 68118