



AMOS August 2015 Newsletter

AMOS Board Meeting 8-3-15

7 Board members present, thus a quorum.

Agenda: Budget:

The budget is in good shape, and Gloria is recommending we pay off \$2,500 in loans. Motion made by Doug Keller and 2nd by Mike Haston to pay off \$2,500 worth of loans including interest. Motion Carried.

Field Improvement:

Paint stripes on runways to show leaving runways have been completed. Trash Removal: Old petromat and carpet to be removed. Mike Lord to bring his trailer and Don Schwartz to bring tractor with a loader. Material to be taken to the dump for disposal, with cost for dump fees to be paid by the club.

2015 Events:

AUGUST

Aviation Day Fun Fly 8- 15th With food and will be run by John Hainlen.

Electric Fun Fly - 8- 29th May handle helicopters. Basil Yousif

SEPTEMBER

President's Fun Fly - 9- 12th Free lunch, awards for events . Events to be "Pilot in distress" and "Limbo" . Rules to follow.

Thunder Valley Rally of Giants. 9- 26th Basil Yousif to run.

OCTOBER

Jet Fun Fly - Oct. 10th Randy Sizemore to run.

DECEMBER

Xmas Dinner - 12- 6th (Sunday) Turkey Creek)

Board Reports :

President-- John Sorenson Chaired the meeting. The Flight-fest Event - do we want to have it? John recommends we go ahead and let this group do this as described in their letter to him. Letter to be sent to members. A motion was made by Jim Ireys and 2nd by Marv Bennett that Flight-fest be recommended to the General Membership and that Flight-fest be responsible to working with Thunder Valley for additional parking. Motion Carried. Committees for next year's officers and Budget will need to be set up in September.

Vice-President- Mike Haston—Additional Mowing will be held off because of fire concerns.

Secretary—Marv Bennett—Thanked Doug Keller for his taking of the minutes of the General

Membership- Jim Ireys—We are now up to 219 members.

Event Chairperson—Richard Cross—AMAIN HOBBIES. Out of Chico would like to assist AMOS in sponsoring events. No action taken on this issue at this time.

Field Marshall—Glen Gibson-- Tear in Petromat needs repair.

08-11-2015 AMOS GENERAL MEETING MINUTES

Call to Order 7:00 p.m. August 11, 2015 By Vice-President Mike Haston

Guest 7 Guest-- Matt and Louise Fairbairn and family, Also Carmel Hill

New Business

FLIGHTFEST :

Do we want to have this group use our field or not? A discussion followed both pro and con. Some questions were: Do we get a cut of the Gate? Not yet decided. Can our Club Members fly? Yes. Insurance? Provided by AMA. Concern about so many people using the field and parking logistics. Concern about this being a "Fly-by-night" outfit. Positive for promoting the hobby. After considerable discussion and also concern about John Sorenson not being here to provide more positive information a Motion was presented. The motion to allow the use of the field for FLIGHTFEST WITH ANY DAMAGED TO FIELD BEING COVERED BY THEM WAS MADE BY Randy Sizemore and 2nd by Ron Berger. Motion carried. No mention of the requirement that flightfest be responsible for working with Thunder Valley as proposed by the Board was made in this motion.

Check out this Youtube Video it should answer any questions about the Flightfest group - <https://www.youtube.com/watch?v=YUv6fMawYqk>

SEPTEMBER :

President's Fun Fly - Sept. 12 Free lunch, awards for events. Events to be "Pilot in distress" and "Limbo", Rules to follow.

Thunder Valley Rally of Giants -Sept. 26th Basil Yousif and Mike Dunbar to run. This will be a large scale plane event.

OCTOBER

Thunder Valley Jet Fly - Oct. 10th. Randy Sizemore to run. Hoping for good weather. People will start arriving on the previous Thursday. Randy will need volunteers to help putting on the event. This will be our first only JET airplane event and will require extra help and cooperation from our members to be successful.

Board Reports :

Vice President—Mike Haston--Ran tonight's meeting .Thanked Mike Lord and Don Schwartz for the carpet and petromat cleanup.

Secretary—Marvin Bennett—Thanked Doug Keller for handling last month's General Meeting' minutes in his absence.

Treasurer—Absent-- Jim Irey commented we had paid off \$2500 plus interest and we were now down to \$27,500 in loans.

Membership—Jim Irey-- We now have 221 members in the club.

Past President—Doug Keller-- Was pleased to see a flyer promoting our club in the Lincoln News Messenger.

Snow-Ball Raffle-- Was won by John Hainlen.

AMOS 2015 Upcoming Events

9/12-Presidents Fun Fly - John Sorenson, Mike Haston

9-26-Thunder Valley Rally of Giants - Mike Dunbar, Basil Yousif

10/10- Jet Fun Fly - Randy Sizemore, Mike Haston

12/19- Christmas Dinner - Turkey Creek Golf Club - Jim Hill

August Events News:

Aviation Day August 15th:

This event was inspired by the AMA declaring the 8-15 Aviation day. First it was decided to cancel it but John Heinlen backed it and it was on. The day was perfect and all who attended had a good time.



Electric Fun Fly - August 29th

The event had a surprisingly large turnout this year. Electric planes and helicopters were buzzing all over the place. Weather was great but it got windy.



Testing R/C flight pack components for Voltage and Amp Draw

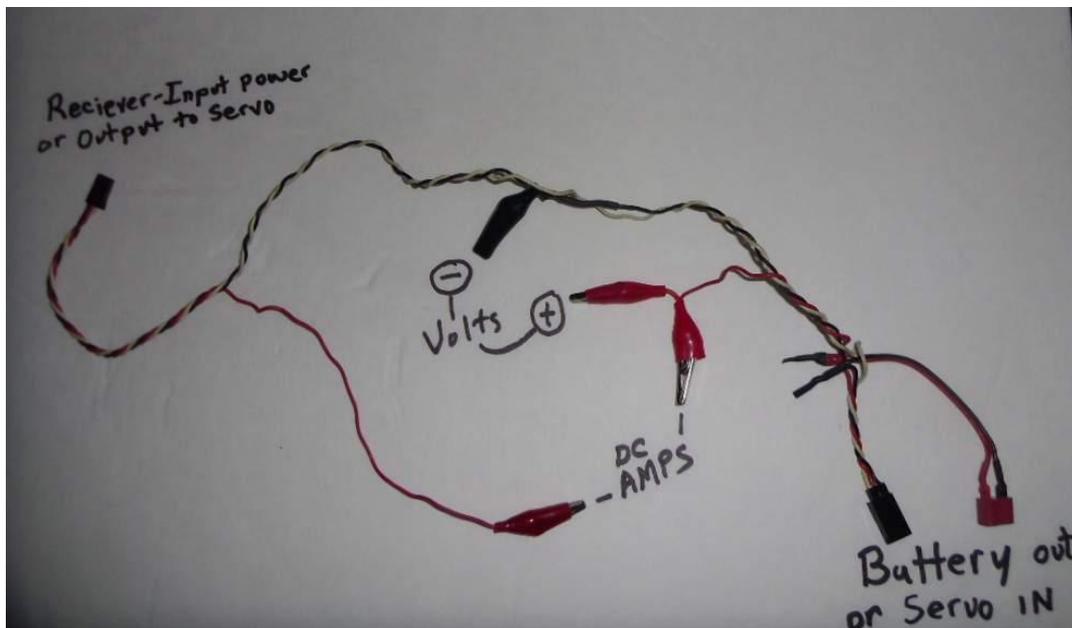
When installing the components of a R/C system - Receiver, Servos , Switches, Motors and wiring the modeler is usually at the mercy of the manufacturers that produced the components for how efficiently they work. Sometimes how you use those components together can cause a problem. Those older servos you got out of that cheap plane at the swap meet could have a binding gear train but still work.

A good way to check the installation is to test for Amps and Voltage after you have installed everything and compare that with the current drain listed for the parts being tested or a known good setup.

A basic harness can be built and cut into the desired circuit to test for Voltage and Current drain.

To make one that works for most R/C applications you can start with a Servo extension (22w wire best). Cut the red wire and install two alligator clips on each end, this is for amp measurement. Install another clip on the black wire without cutting it. This is for the negative side of the voltage measurement.

Here's a diagram of a standard Test Harness setup:



Different plugs like deans connectors can be added as needed.

Example 1: Checking a Mechanical Retract setup for binding

How do you know when the servo installed for a mechanical retract servo has reached the end of its travel. The end point can't be adjusted on the radio for these servos. Use the test setup to help you check for high current drain for servo up and down.

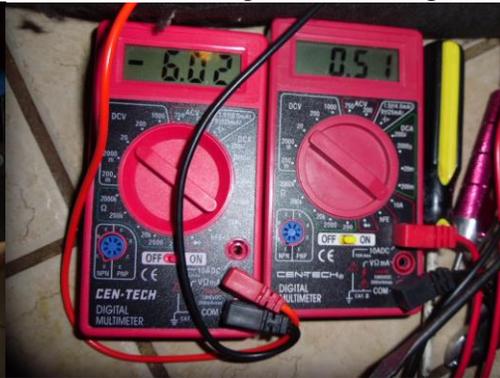
Retract down no binding

Volts - 6.6 (life bat) Amps .01



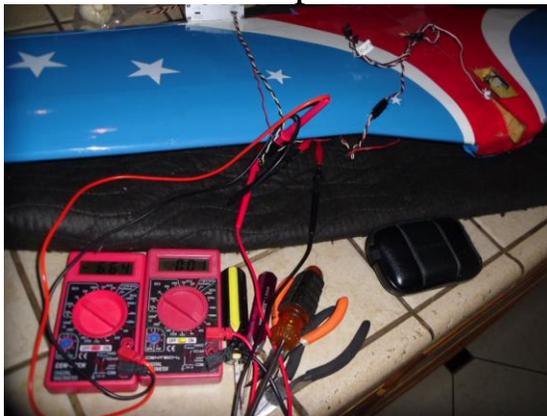
Wheels up Wow!!

Volts 6V - Amps .51 - Binding!!!



Notice the big drop in voltage the battery is heavily loaded.

After adjustment of the mechanical pushrods there is no draw for
For the Wheels up condition.



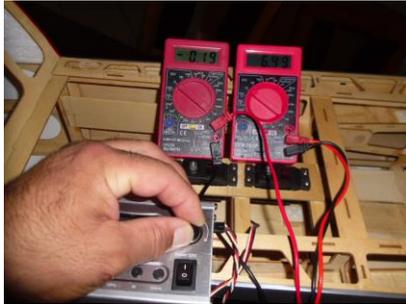
I used a servo tester instead of the receiver and battery in the plane. For each application there are shortcuts that can make the troubleshooting and repair easier.

The .6 volt drop could overload the battery and cause a crash especially when other servos are increasing the amp draw.

Example 2: Giant Scale Servos pulled from a Older Model

I had got a good deal on some Giant Scale Planes. The larger one had to be disassembled and the parts had to be tested. A set of Futaba Rudder servos were diagnosed.

Test Setup



First Servo Okay 6.48 volts
.13 amps



Second Servo Not Good!!
6.03 volts and .53 amp draw -
jumped to 1.5 amps



After Cleaning and lubricating
the gear train on both Servos
6.58v - .01 amps At rest

6.44 volts and .13 - .80 amps
while being activated, this is normal
especially when the voltage drop wasn't drastic while activating them.



This testing can be adapted to test motors or any other electrical part in the system. Plugs and wiring can be tailored to fit. The limit for most cheaper meters is 10 amps.

Switches - "Another Big Failure point" - make sure they are heavy duty and good quality. Many work good new and fail because of vibration, fuel intrusion and re-use after crashes. Also if the switch can't pass high amps the contacts can burn out like a fuse.

Jokes:

ROBOT FOR SALE:

A father buys a lie detector robot that slaps people when they lie. He decides to test it out at dinner one night.

The father asks his son what he did that afternoon. The son says, "I did some homework."

The robot slaps the son.

The son says, "Ok, Ok, I was at a friend's house watching movies." Dad asks, "What movie did you watch?"

Son says, "Toy Story."

The robot slaps the son. Son says, "Ok, Ok, we were watching p*rn."

Dad says, "What? At your age I didn't even know what p*rn was." The robot slaps the father.

Mom laughs and says, "Well, he certainly is your son." The robot slaps the mother.

Blonds Password:

During a recent password audit, it was found that a blonde was using the following password:

MickeyMinniePlutoHueyLouieDeweyDonaldGoofy

When asked why such a big password, she said that it had to be at least

8 characters long.

AMOS Newsletter prepared by: Basil Yousif, Send Newsletter feedback and topic info to - basil.yousif@sbcglobal.net use AMOS Newsletter as the Subject for the E-mail. Also see the clubs website at www.amosrc.com for more field information and Flyers.