



## AMOS March 2014 Newsletter

### Meetings in February 2014 - Condensed version:

#### Board - 2-3-14 at 6:00PM -

Tracy Trammell Discussed ideas for better attendance at General Meetings. Marvin Bennett is still working on the E-mail lists and PDF format on meeting documents.

Gloria Irej passed out the last months Treasurer Report, \$5007 plus interest to be paid out for the club debt this month.

Jim Irej - 173 members are signed up. Jim Hill discussed the Thunder Valley Rally of the Giants Event to be held in October.

The Christmas Dinner date was brought up. Marvin Pass brought up a cheaper option for the Christmas dinner - a club Pot Luck. Some felt the \$28 per person Christmas dinner price is too expensive for most of the members and attendance would be low.

Doug Keller wants the Aero Modeler of the Year award to have Jerry's name on it. Placer county had Received the Letter for the lease renewal on the Flying Field, there is a 90 day review period.

There was a discussion on reworking the field to get the uneven parts of the runway leveled. Others recommended waiting until the loans are paid off to do any costly jobs.

Discussed was the \$500 advance for the Events - should the food be included in the advance or should it be handled separately.

Fred Light stated he has had success with the Snow Ball Raffle. Randy Sizemore likes the idea of using the "Wheel" system to sell raffle tickets. Unfortunately Vanna White will not be spinning it!!

#### General - 2-11 -14 at 7:00 PM -

Combat Airplane flying was brought up. Any complaints. None were expressed. Tracy T handed out post it's for suggestions on how to increase member attendance at the club meetings, although this meeting had a very low turnout.

Treasurers report accepted and loans of \$3,007 and \$2,000 would be paid off this month. Gloria said that a total of \$16,000 would be paid off on the AMOS Field Construction Loans this year if everything goes as projected. Membership stands at 173 signed up so far with more expected to join.

Scheduled Events were announced. See events listed in this Newsletter. John Kinney Has copies of many R/C airplane plans from Jerry Dodge, for the Club. We need to decide how to distribute them to membership. They can be copied and put on disk for sharing with many. Fred Light said we had over \$100 for the year end snow ball raffle.

The evening's Snow Ball drawing was won by Doug Keller. Christmas Dinner - Turkey Creek vs Potluck issue - no ideas but there's 10 months to figure this one out. Runway

Maintenance can wait after the loans are paid off stated Jim Irej.

Note: See the complete reports for more detailed information on these meetings

## **AMOS Events:**

### **Other Locations:**

**Annual Seaplane Event:** Location - Camp Far West Lake, to be held on May 14th - 18th and is hosted by John Sorenson

**RC Country swap meet April 26th** - Tracy will set up the food stand. She needs Volunteers. Come very early - you will almost be sleepwalking into the place to find that good deal!! I guess stuff sells better at 4am when you can't see it.

## **AMOS Field:**

**Warbirds Over Roseville** - is on Saturday June 14th and is Hosted by Mike Haston, [http://www.rcflightdeck.com/event\\_details.cfm?event\\_id=3105](http://www.rcflightdeck.com/event_details.cfm?event_id=3105)  
To Pre-Register to fly press - **Pilot Sign-Up**, to order a shirt press **Spectator Tickets**.

**Presidents Fun Fly** - To be held on Saturday September 13th, bring anything R/C that flies- No charge-other clubs welcome. Hosts Tracy Trammill and Steve Snider.

**Electric Event** - Will be held on Saturday August 30th. - Hosts Basil Yousif, John Heinlen, Randy Allen and Scott Meyer

**Helicopter Event** - To be held sometime in August, a Helicopter Flying Group will visit the field and put on a show. They will call Steve and book a date to come to the field. We are going to put on Heli Fun Fly that same day. Bring your Heli and tap the pros for info. Hosts - Steve Snider and Basil Yousif

**Thunder Valley Rally of the Giants:** is to be held on October 25th. It will be hosted by Jim Hill. The Huck Fest will be on in early October from the 2nd to the 5th.

See Flyers for more info. No Lincoln Airport event is planned for this year.

**Field Trash Reminder-** No trash can's at the field anymore so take your trash with you

## **R/C Building and Motor Tips and Tricks:**

### **1) Cheap but effective Model Plane Cleaner:**

2-1/2 cups or 20oz. Of Water

1/2 cup or 4oz. of rubbing alcohol

1/4 cup or 2 oz. of ammonia

1 tsp. of liquid dish detergent

## Timing your R/C Gasoline engine the easy way

Timing your R/C Gasoline engine is easier than you think with this system and it works on any Gasser engine. All you need is a set of calipers from Harbor freight lowest priced plastic one is \$3 and a calculator. You might need a unsharpened pencil.

This system sets the ignition at 28 degrees. There is no advantage to setting the ignition more than 30 degrees on any gasser engine all this will do is make the engine run hotter increasing the need to cut more into your cowl to let more airflow cool it.

This system is an alternative to the timing wheel.

1) Remove the spark plug and put the engine into Top Dead Center. There's some play at TDC so you'll have to get in the center of the play for an exact TDC. You can use a unsharpened pencil to help.

Just put the pencil down the spark plug hole so it sits on top of the piston and turn the engine until the pencil is fully extended. When you find TDC you will usually find the Prop hub magnet position around the bottom of the engine so turn the engine over.

You can use a small strip of blue masking tape to keep the hub from turning so you don't lose the TDC position.

For this demonstration I used my DLE 20. All calculations are in Metric - mm



2) Take the caliper and measure the diameter of the Hub the Prop Hub Magnet is on. For my DLE 20 I measured 34mm. Multiply 34mm x .244 = 8.30 mm.

3) Measure from the **Center of the Prop Hub Magnet to the closest edge of the Hall Sensor Body**, for my DLE this length is 8.30mm as I figured it out in the equation. If so the engines Hall sensor is in the correct position for the engine to fire at 28 Deg before TDC.

If not adjust the hall sensor by loosening the two screws on it's mount and move it to the distance you have calculated for your engine.

If you adjust use Loctite Blue on the screws before tightening them. If your measurement doesn't sit exactly in the center of the hub magnet that's okay there's a slight margin for error.

A few degrees in one direction or the other makes no difference in performance.

Good Job DLE my new engine was perfectly adjusted from the Factory.

Equation -  $X$  ( Diameter of Your Hub mm ) x .244 =  $Y$  (Distance from magnet center to Hall sensor Edge mm)

.244 comes from the formula  $28 \text{ deg} / 360 \times \text{Pi} (3.14) = .244223$

## Jokes:

1) Jim decided to tie the knot with his long time girlfriend. One evening, after the honeymoon, he was cleaning his planes.

His wife was standing there watching him.

After a long period of silence she finally speaks.

"Honey, I've been thinking, now that we are married I think it's time you quit RC planes. Maybe you should sell your planes."

Jim gets this horrified look on his face.

She says, "Darling, what's wrong?"

"There for a minute you were sounding like my ex-wife.";

"Ex wife!" she screams, "I didn't know you were married before!"

"I wasn't!";

2) This is probably going to happen to all of us!!



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Also see the clubs website at [www.amosrc.com](http://www.amosrc.com) for more field information and Event Flyers