



AMOS April 2018 Newsletter

AMOS Board Meeting 4/3 /18 @ 7:00PM – recap

Unfinished Business

Parking Lot Barriers: Mike Haston: Project begun. Will finish on Thursday.

Memorial Dinner: Mike Haston: 23 members turned out. Jim Irey: Received letter of appreciation from John Kinney's daughter and son-in-law.

New Business:

Vacant Board Seat (Field Marshal): Recently Field Marshal Glen Gibson tendered his resignation to President Mike Haston. Mike accepted Glen's resignation and nominated Tom Aschwanden to serve the remainder of Glen's term as Field Marshal and Board Member. On Motion by R.S. and duly second, motion to approve nomination of Tom Aschwanden to serve remainder of Glen's term as Field Marshal Passed. Nomination must be approved by a majority vote of members at the next general membership meeting following announcement in the Club newsletter.

Gold Club Status: Mike Haston: Status renewed. Still have several pins left over from last year. Not necessary to purchase more.

AMA Safety Code: Mike Haston: To maintain Gold Club Status must conduct safety review with members once a year. Will do so at next general meeting.

Use of Field for Drone Training: After discussion, concluded only full AMA members may use field for drone training and regular rules for guest fliers apply.

FPV and Car Track: Mike Haston: John Sorenson suggested that FPV drone and car racing are popular, and we should consider constructing an FPV course south of new helipad. Will discuss at general meeting.

Board Reports:

President Mike Haston - Field looks good. Doesn't think we have to hire anyone to mow. Tom and Jim are working on new startup stands.

Treasurer Keith Roberts - About \$3,500 cash on hand. Expects enough to come in to get us through the year.

Safety Officer Les Klear - No significant problems. Had to talk to a couple of guys about taxiing in the pits.

Membership Jim Irey - 197 members. Bob Parks to receive \$80 pro-rated refund.

Field Marshal Tom Aschwanden - Lawn mowers all running. Need a battery for one. South pit shade structures to be repositioned. Have to wait for ground to dry out before putting in post holes.

AMOS General Meeting 4/10 /18 @ 7:00PM – recap

Unfinished Business

Parking Barriers : Mike Haston: Installation was finished last Thursday. Some 4'x4's left over.

Memorial Dinner : Mike Haston: 23 people attended memorial dinner for John Kinne. John's daughter and son-in-law sent a note of appreciation which is included in the most recent newsletter.

New Business

Vote on Tom Aschwanden as Field Marshal: Mike Haston: Glen Gibson resigned as Field Marshall due to health concerns. Per AMOS constitution, Mike appointed Tom Aschwanden to serve the remainder of his term, and the Board approved the appointment at its meeting on April 3. On Motion by J.S. which was seconded, appointment of Tom Aschwanden as Field Marshal was approved.

Review of AMA Safety Code: One of the requirements for Gold Leader Club status is an annual safety review. The AMA Safety Code (a copy of which is also posted at the field) was passed out and reviewed. Gold Leader pins are also available for any member who has not already received his or hers.

FPV Quad Course (discussion): John Sorenson: FPV quad racing is big in RC sport now. We should be prepared to incorporate this into our activities if any interest in it develops. The area south of the helicopter area would be perfect, and all we would have to do is mow the grass and make some gates out of PVC pipe. The area could also be used to run RC cars. John does not recommend that we scrape or move any dirt or spend any money other than the minimal cost of a few PVC gates. Users would have to conform to all our rules. Spotters would be required, but it is unlikely FPV pilots would want to race without spotters anyway.

Board Reports:

President Mike Haston: Shirts for the Warbird event. Tees \$15, Polos \$22. Contact Mike.

Secretary Jody Kahan: Tower Hobbies and Great Planes now owned by Horizon Hobby. Reno warehouse closed. All orders shipped from Champagne, Ill.

Treasurer Keith Roberts: Paid about \$500 for materials for parking lot barriers. About \$3,800 cash on hand. Expects enough money to come in to get through the rest of the year.

Membership Jim Irey: 195 members currently. Has received about \$850 in contributions for new startup stands and has pledges for about \$850 more. Stands cost about \$180 each. Plans to build seven and have money left over for club.

Safety/Training Les Klear: Six trainees came out last Wednesday and got in twelve flights.

Past President John Sorenson: We have six lawnmowers, and they all run, but if they get in the long grass they will die. Talked to Don Schwartz. As soon as the ground is dry enough he will come out with tractor and flailer and mow the long stuff.

2018 AMOS Event Schedule

Warbirds over Roseville - Saturday June 9, Host - Mike Haston

Electric Fun Fly - August 11th



Presidents Fun Fly - September 8th - Mike Haston, Randy Sizemore

Jet event: Randy Sizemore: Tentatively September 28-30

Nor-Cal Huckfest - Saturday October 6th - Basil Yousif, Gary Meyers, Geordan White and Ron Brugh - Big Planes - Great Time!!



AMBRO Profile Event - October 20th - Randy Allen

2018 Christmas Dinner - Glen Gibson organizer. To be held at El Torito Mexican Restaurant at 5637 Sunrise Blvd, Citrus Heights. The date hasn't been set.

AMOS Event News

Rotors Over Roseville 2018 - May 12th



This years Rotors over Roseville R/C Helicopter Event was a amazing show of 3D R/C Helicopter Flying. And to top it off the owner of MSI Protos R/C Helicopter Company Alex Rose showed up to fly and wow!! He took flying to a new level.

16 Pilots registered for the event. It was a non stop 3D show with Helicopter Rotors beating the air into submission.

The event made \$282 . After expenses the club ended up with \$100 profit.

The Guys from the Helifreak website were on hand to fly there Goblins. There event - The Helifreak Fun Fly was cancelled and they were excited to be a part of the Rotors Over Roseville event.

As Usual for this time of year it was windy 10-15mph which didn't effect Helicopter flying. They also don't blow of tables like planes.

The event could have used more Spectators. We only had a few because of a lack of Local advertising. We'll have to do better next year on that. A announcement in the Lincoln Newspaper and some flyers posted at local spots should do the trick.





Seaplane Event May 16th to 20th

John Sorenson's Sea Plane event at Camp far West lake had a total of 41 registered R/C Float plane pilots over the course of the week.

The weather was on the windy side as it was last year and there were many crashes. I was out there Saturday and it was a great day but lots of gusting wind coming in from the South.

Bigger planes faired better over the week of the event. Small electrics didn't do too bad due to there light weight.

In all it was great fun. I need to get a bigger plane!!



Timing your R/C Gasoline engine the easy way

Adjusting the timing on your R/C Gasoline engine is easier than you think. You can easily set the timing and all you need is a set of calipers and a calculator. You might also get help from 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 which isn't very accurate.

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 CRRC 50 engine. All calculations are in Metric - mm

2) Take the caliper and measure the diameter of the Hub the Prop Hub Magnet is on. On the CRRC 50 engine I measured 34mm. Multiply $34\text{mm} \times .244 = 8.30\text{ mm}$.

3) Measure from the Center of the Prop Hub Magnet to the closest edge of the Hall Sensor Body, for my Engine this length is 8.30mm as I figured it out in the equation. If the measurement matches, the engine's 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. Use Locktite on the screws to keep them from coming loose.



Measure the Hub Diameter
Calculate Distance for 28 deg



Make Sure the Magnet is in the correct position
If not - Adjust the Ignition Pickup

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.

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

The Multiplier -

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

Funny stuff!

Assertiveness:

A mild-mannered man was tired of being bossed around by his wife so he went to a psychiatrist. The psychiatrist said he needed to build his self-esteem, and so gave him a book on assertiveness, which he read on the way home. He had finished the book by the time he reached his house.

The man stormed into the house and walked up to his wife. Pointing a finger in her face, he said, "From now on, I want you to know that I am the man of this house, and my word is law! I want you to prepare me a gourmet meal tonight, and when I'm finished eating my meal, I expect a sumptuous dessert afterward. Then, after dinner, you're going to draw me my bath so I can relax. And when I'm finished with my bath, guess who's going to dress me and comb my hair?"

"The funeral director," said his wife.

The Frog:

A frog goes to a fortune teller and asks if he is going meet a young girl.

The psychic tells him, "Yes, you are."

The frog replies, "Where? In a bar or at a party?"

The psychic says, "In biology class."

*What happened when the R/C guy got mad and hit his friend over the head with a model:
He was sued for Assault and Batteries!!*

What type of 3d model do Pilots like to talk about:

YAK!!