



AMOS June 2016 Newsletter

AMOS Board Meeting 6/6/16 @ 7:00PM - recap

Unfinished Business:

Rotors Over Roseville: President Mike Haston expressed satisfaction. Basil said the event made sixty or seventy dollars, had eight fliers.

AMOS Float Fly: John Sorenson reported the event made about \$300 and had food and drinks left over for the next event. Smaller turn out than last year.

New Business:

Rules for Cars- Discussion of Rule 25 of rules of Field Operations, which states that the rules of the Remote Operated Automobile Racer Association (ROAR) are to be applicable to model car operations at the field. Conclusion: we don't need rules for car operations, and the ROAR rules only apply to racing anyway. After discussion the following **MOTION** was made, seconded, and passed:

Reference to the rules of the Remote Operated Automobile Racer Association (ROAR) in the rules of Field Operations shall be deleted.

This motion will be presented for vote at the next General Meeting.

Controlled Burn- President Mike Haston stated the field will be closed Friday June 10 while the Fire department conducts a controlled burn. The controlled burn will continue on Saturday June 11, but the Warbird Event will go on as planned.

Estate Sales- Various items have been turned over to John Sorenson for sale. John will sell them at our next regular Swap Meet (Saturday, June 18.) Some of the sales proceeds will benefit the club.

Castle Event. President Mike Haston expressed his thanks to the members who came out to the event.

Lawn Mower Issues - President Mike Haston expressed concern with continuing reliability problems with the club's lawn mowers. He suggests possibly asking members for donations to purchase two new lawn mowers at a cost of approximately \$1,500 for a 42 inch or \$2,100 for a 54 inch. Extensive discussion of various alternatives. Agreed that more investigation is necessary, but in the meantime the following **MOTION** was made, seconded, and passed:

The president will bring up the question at the next general meeting to see if the members are interested in donating for the purchase of new lawn mowers.

Board Reports:

President Mike Haston - Requests that the small flag pole be up for the War Bird event.

Vice President Randy Sizemore. Will propose to members at next general meeting that the Christmas dinner be held at Turkey Creek again with the club picking up one half of the cost so that each guest pays only \$14 instead of \$28. Would be on condition that members RSVP ahead of time and commit their fees.

Secretary Jody Kahan - Will not be present at next general meeting. John Sorenson will take the minutes.

Treasurer Gloria Irely - May expenses were normal. Picked up some new members and two membership renewals. Cash on hand \$4,554 in checking, \$208 in savings. Does not include net of approximately \$800 from the Float Fly. Outstanding loans \$18,000 principal plus \$655 accrued interest. Can afford \$2,000 payment on outstanding loan. After discussion the following **MOTION** was made, seconded, and passed:

The club will pay \$2,000 on outstanding loan from cash currently on hand.

Safety/Training Marvin Bennet. Passed out copies of hand-outs for student pilots.

Contest Coordinator/Public Relations Hilton Sorkazian - Suggests club adopt jazzier logo. Will work on design to propose.

AMOS General Meeting 6/14/16 @ 7:00PM - recap

Unfinished Business

Rotors over Roseville : Good event considering that event had to move it's date.

AMOS Float Fly: John S. reporting. Very windy. Kept attendance down. Only 29 pilots. Need a volunteer for next year to camp out and help with event. Motion by John S seconded by Jim H to have event next year. Passed

Christmas Party - Randy S. reporting, After investigating other options he is recommending that we return to Turkey Creek. He suggested that the Club pay half the

cost of dinner for the member and his guest. He is also suggesting that we could have door prizes that will be raffled off using tickets obtained for free at the event.

Activities will make the night more enjoyable. New club officers will be installed at the Christmas dinner which will be the Dec. general meeting.

Motion by John S. seconded by Chuck Blackwelder to accept Randy's suggestion for the Christmas dinner. Long discussion follow. Jim I. And John H. brought up that they had checked out other restaurants. Jim suggested Out Back John suggested the New China Buffet.

Either would be under \$20. Motion was tabled until next month.

Jim I move and John H. Seconded that the Club pay half of Christmas dinner no matter where we choose go for Christmas dinner. Motion failed.

Warbirds over Roseville: Mike H. reporting, 17 pilots. Lots of wind. Lincoln Air Fest cut into participation.

Lincoln Air Fest: John S - Static portion went well. Flying was a disaster. Event director changed time and location of flights repeatedly resulting in Randy S crashing and a very poor showing of our models.

New Business

Remove (R.O.A.R) from field operations (to be voted on July general meeting) Motion by John S seconded by Doug K to amend the Constitution and ByLaws by removing all references to R.O.A.R from them. Passed

Controlled Burn Mike explained that it took 2 days. The unburned area between mowed area and burned area was not burned because they didn't have permission to burn it from the County. Now that it's burned, watch out for snakes.

Estate Sale John S. will be selling airplanes and "stuff" from at least 2 estates. Come for some good deals.

New Lawnmowers (Donation) Mike H recommended that we get donations to buy a new, larger lawnmower. Discussion followed with John S and Marvin B speaking against it. No action was taken.

Board Reports

President – Mike Haston Club will be registered for National Aviation Day on the same day as the Electric Fun Fly.

Vice President – Randy Sizemore Looking for members to donate hobby items to use as raffle prizes at the Christmas Dinner.

Membership - Jim Irely Now at 209 members. Jim moved to refund half of Quincy's dues as his family is moving to Georgia. Seconded by John S. Passed.

Jim Asked if Red Barons had responded to rule change on flying as guest. They have not. If Red Baron members show up at the field inform them of the rule change. They can no longer fly as guest.

Field Marshall – Glen Gibson Needs help putting up rope on last 4 shade structures.

AMOS 2016 EVENT CALENDAR

August 27 Electric - John Hainlen

September 10 - President's Fun Fly Mike Haston

Sept 24 - Giant Scale - Gary Meyers and Basil Yousif

October 7-8 - AmoBro Profile Model Fun Fly - Randy Allen

December (TBD) - Christmas Party - Randy Sizemore

AMOS Event News

June 11th - Warbirds Over Roseville - Mike Haston Host:

Mike - 17 pilots. Lots of wind. Lincoln Air Fest cut into participation.
Basil - Wish we had some pictures of the event for the newsletter.

Lincoln Air Fest - June 11th

The reports of the AMOS members flying at the event was that it was a disaster. The ferocious winds were 15-25mph on the runway we were flying from. Sure a nice jet was wrecked and I crashed a Helicopter after the engine quit but I think the AMOS presence at the airport was great and many spectators enjoyed seeing the R/C models.

The FAA shut down our R/C Aircraft show because we were overshooting the flight area. There wasn't any flight area specified before we started they just said fly to the North of the runway after we got up in the air. They may have not realized how far our models fly.

I had a great time chatting with all the spectators who were checking out the R/C models. The Full scale planes being displayed and flown made for a good entertainment also.



Static R/C Model Display



Beautiful Full Scale Planes



AMOS Members Staging for Flight



Mike taxiing his Jet around was fun to watch



P51 Flight Demonstration



This Event was Packed!!

June 24 – 26 Jet Fly - Jet Fly - Randy Sizemore Host:



The Event was almost all Electric Jets. There was one Turbine Jet that flew but crashed creating a very scale looking smoke plume! The Food Sales Made \$171. I enjoyed cooking at the event!

Keep it cool: 10 steps to control air flow by Model Airplane News



When working with an internal combustion engine, we always have to deal with the heat that is created by this process. In many cases, the opening in the cowl will allow enough air to flow over the engine to maintain a cool temperature. But when performing extended 3D maneuvers, we have only the air produced by our prop to keep the engine cool, and sometimes this may not be enough. That is when we want to direct the air to flow over the main engine component that is creating the most heat-the engine head. Extra airflow over the engine can be accomplished by manufacturing ducting inside the cowl to direct the air where you want it to go. Here are three very important facts about air:

- Air will always flow in the path of least resistance.
- Air pressure will form a wall that will prevent any airflow from coming into the cowl if it is allowed to build up. That is why the exit hole is always recommended to be three times larger than the entry hole.
- By funneling air, it will increase in speed.

If we make a ducting system at the opening of our cowl, it leads only to the engine head(s). It will become the path of least resistance that will force the cooling air to travel over cylinder head(s). I used materials common to most model airplane enthusiasts. The cowl ducting can be made from a variety of materials including fiberglass, tin, plywood and balsa wood. Let's take a look at what we need for the project.



1 The materials I used include (left to right) 3/32 balsa wood for the ducting or baffles, hobby blade, 5-minute epoxy (or 30-minute epoxy), microballoons, pattern transfer gauge, felt-tipped pen and a Dremel tool with drum sander bit.



2 My first step is to increase the airflow coming into the cowl by enlarging this front opening. By increasing the opening size in a downward direction, I also center my cowl entry hole to the engine's cylinder head.



3 The cowl on this TOC Katana comes in two parts and allows me to work on the lower part while it is still attached to the aircraft. This makes my job of fitting the duct work much easier. I begin by enlarging the entry hole using the sanding drum on my Dremel tool. My Shop-Vac sucks up any dust created from the sanding drum and keeps the area clean.



4 I start by using a pattern duplicating tool to make a rough outline of my engine head. I then transfer this outline to the 3/32 balsa wood. This pattern does not have to be exact and can also be created from cardboard or any other material you want to use.



5 With the outline transferred to my balsa wood, I begin cutting out the major portions with my hobby blade. Then, I trim up the edges and do any final modifications with my Dremel tool. By using balsa wood, this is a quick and relatively easy process. Consider your first piece a pattern piece that may need extra work, or you may need to make an entirely new piece to get it just right.



6 Here is my first piece with some scribe lines that show additional material that needs to be removed. Again, I use the Dremel tool for all the detailed removal. I cut out two pieces, one from the bottom of the opening and the other for the top; in most cases, they will be very close to the same size.

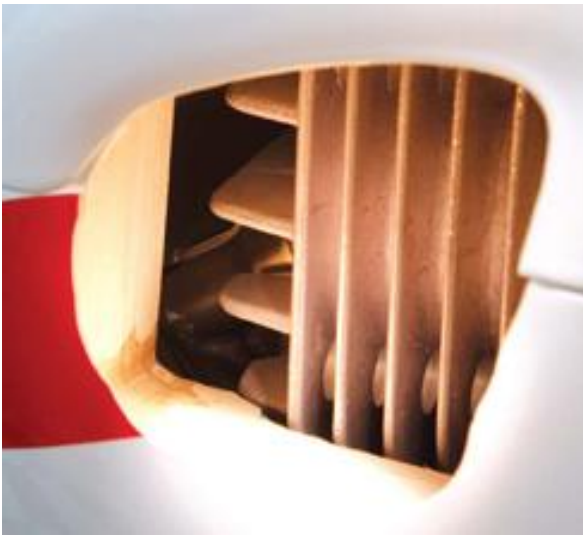
7 I now take both pieces and tack-glue them into place using BSI thick CA glue and placing two to three drops around the edge where the ducting contacts the cowl. Then I hit it with a quick spray of CA accelerator to hold my piece firmly in place. I repeat this process on the upper duct, or baffle, so it is also tacked in securely.



8 I now work on my side baffling. This does not have to be cut with precision; I am only concerned with directing the airflow to the top and bottom of the cylinder head. After cutting my pieces to the correct length and angle, I again tack them in with two drops of thick CA and accelerator. After repeated fittings with my upper cowl and using my Dremel tool with the sanding drum, I finally get a perfect fit. Now, when my upper cowl is attached, there is a 1/16-inch gap between the side baffles and the upper baffle. I want to make sure that everything fits correctly before I final-glu the baffles. To this end, I bolt on the upper and lower cowl, along with the side screws, to ensure I have a proper fit.



9 All that is left to do is to mix up some epoxy and microballoons and apply it to all of the corners of my ducting/baffles. I added some triangle balsa to the bottom of the ducting where it attached to the cowl for added support. Make sure you work with fresh epoxy; if it starts to cure, mix a new batch. Fresh epoxy will flow into the wood fibers and make for a stronger bond. I only mixed up enough epoxy for each corner; I ended up mixing about 12 small portions of epoxy for this side alone.



10 As you can see from this view, I now have a larger opening for air to flow in and help cool the motor. All air that now flows in through the cowl opening has to go over the engine cylinder head on its path through the engine compartment. That makes efficient use of all cooling air, resulting in a much lower overall engine temperature. This is a simple addition to any engine compartment that will always improve your engine's performance and efficiency. Try it and enjoy!

Jokes:

The Bridge

A priest and pastor from the local parishes are standing by the side of the road holding up a sign that reads, "The End is Near! Turn yourself around now before it's too late!" They planned to hold up the sign to each passing car.

"Leave us alone you religious nuts!" yelled the first driver as he sped by.

From around the curve they heard screeching tires and a big splash.

"Do you think," said one clergy to the other,

"we should just put up a sign that says 'Bridge Out' instead?"

Sue me!!

Noticing a mistake in St. Peter's roster, God calls Satan; "It seems you accidentally received some of my professionals down there: a teacher, a doctor and a farmer."

"Yeah," Satan replies. "All the more for me!"

God replies, "You better send them up here immediately."

Satan says, "No way. I'm keeping them."

God says, "Send them up here, or I'll sue the horns right off you."

Satan laughs uproariously, "Yeah, right. And just where are YOU going to get a lawyer?"

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."

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