



AMOS November 2019 Newsletter

AMOS Board Meeting 11/5/19 @ 7:00PM – recap

Reports:

Treasurer: Gloria I. presented the Treasurer’s report as follows:

AMOS Treasurer’s Report October 2019		
Checking Account Beginning Balance 10/1/2019		\$14,052.67
2020 Membership Renewals	2,480.00	
Field Improvement Fees	75.00	
Event Revenue: Jet Event	260.00	
Event Revenue: Giant Scale	603.00	
Sale of Donated Planes & Equip-Marvin Bennett	40.00	
Sale of Donated Planes & Equip-Mike Clearly	354	
		3,812.00
Disbursements:		
EFT Porta Potty	267.00	
EFT Harland Clarke-Check Reorder	23.70	
CK#272 Gloria Pilotti-Office Supplies-Membership (Envelopes & tape)	27.96	
CK#273 Jim Ireys-Misc Exp \$100 to Ken Hisey for Cards & \$7.17 Gas	107.17	
CK#274 Tom Aschwanden-Field Maint-Wasp Control	25.27	
CK#275 Gloria Pilotti-Office Supplies-Membership (Stamps)	110.00	
CK#276 Gloria Pilotti-Office Supplies-Membership(labels,pouches,cards)	84.15	
Total Disbursements		\$645.25
Checking Account Ending Balance 10/31/2019		\$17,219.42

Note: Lease Payment for October was reported on September Treasurer’s Report.

Note: Invoice for Jet Event Shirts & Merchandise not yet submitted by Jim Hill. Outstanding unpaid bill of about \$450.

Tables for Heli Area: Geordan W and Basil Y proposed putting wood tops on the steel tables we already have. They asked for funding for lumber and screws. A Motion was made by Doug K and seconded by Tom A to allow up to \$300 for complete refurbishing of the helicopter tables.

Motion passed.

Drone Pilot Training: Scott Monroe made a presentation to the Board on behalf of his company seeking permission to use our site to train thirteen pilots to operate certain highly advanced fixed wing drones which will be used initially for emergency response, fighting fires, wildlife management and other activities benefitting the public. (If successful, they may be used for commercial purposes eventually.) The aircraft weigh about 40 pounds, have a 3 meter wingspan, take off and land vertically, and are completely self-guiding. The pilots will go through a 3 day ground school and then have four days of field training making 3 or 4 flights each day. All pilots will be qualified under FAA Rule Part 107, and all operations will be within line of sight and under 400 feet. John S said that he had discussed this proposal with AMA officials, and they saw no problem as long as all participants belong to AMA. John asked Scott whether his project had enough room in its budget for each participant to join AMOS and Scott said this was no problem. After general discussion Tom A made a Motion, seconded by Les K, that if all participants are AMA members and join AMOS the activities discussed above will be allowed. The motion Passed unanimously.

Fast Track Banner: Gloria I presented a prototype (below) of the banner she designed in accordance with discussion at the previous Board meeting:



The banner features a blue background. On the left, there is a logo for 'ASSOCIATED MODELERS AMOS OF SACRAMENTO, INC.' with a stylized yellow and blue graphic. On the right, there is a photograph of a blue and yellow RC airplane in flight. The text 'Free RC Flying Lessons' is prominently displayed at the top left. Contact information for Jim is provided on the right side of the banner.

Free RC Flying Lessons

Contact Jim at 916-212-9397
www.amosrc.com
4015 East Catlett Road, Lincoln CA

There was general discussion including a recommendation that the website address could be made more prominent. A Motion was made and seconded for Gloria to make adjustments as recommended and go ahead with the project.

Upcoming Election: John S asked Jody K to send out the proxy ballot one more time.

Dues for 2020: Motion by Doug K seconded by Tom A: Recommend to the members at the November General Meeting that the dues for 2020 remain the same as this year. Motion passed.

Budget Committee: For 2020 will be Karen C, Gloria I, John S.

Audit Committee: The 2019 audit will be done in January.

Officer Plaques: Les K brought up a suggestion that outgoing officers get a plaque when they complete their term of office. Tom A made a Motion that we do this from now on. The motion was seconded by Les K and passed.

Board Reports

President John Sorenson: John reported that this year's west coast AMA expo was the last ever. In the future, vendors will be invited set up booths at the District X fly in. Regarding proposed drone regulations, the FAA did not follow the wishes of Congress to leave AMA regulated model flying alone. District X V.P. Lawrence Tougas recommends not signing any letters of agreement with local airports. We have to continue to fight for the rights of model airplane flyers. John recommends letters and calls to legislators. Every call is recorded and is a permanent record.

Vice President Doug Keller: The Lincoln News Messenger has a free event calendar. All we have to do is get our event notice in a week in advance.

Secretary Jody Kahan: Will send the proxy ballot out again.

Membership Jim Irej: 225 members.

Contest Coordinator Geordan White: Giant scale event was a huge success. There were 21 pilots. The event made about \$600. He and Basil will work as a team. Planning to make next year's events bigger and better.

Field Marshal Tom Aschwanden: Lots of wasps in the metal container and the storage shed, despite repeated efforts to get rid of them; also, voles which he has tried to get rid of. Lawn mower fuel is disappearing from the locked container.

AMOS General Meeting 11/12/19 @ 7:00PM – recap

Election of 2020 Officers and 2019 Modeler of the Year:

Nomination of Officers:

The President stated that **Doug Reid** had been nominated for the office of President and called for further nominations, if any. There were no additional nominations, and, on motion duly made and seconded, further nominations for the office of President were voted closed.

The President stated that **Doug Keller** had been nominated for the office of Vice-President and called for further nominations, if any. There were no additional nominations, and, on motion duly made and seconded, further nominations for the office of Vice-President were voted closed.

The President stated that **Jody Kahan** had been nominated for the office of Secretary and called for further nominations, if any. There were no additional nominations, and, on motion duly made and seconded, further nominations for the office of Secretary were voted closed.

The President stated that **Gloria Irely** had been nominated for the office of Treasurer and called for further nominations, if any. There were no additional nominations, and, on motion duly made and seconded, further nominations for the office of Treasurer were voted closed.

The President stated that **Jim Irely** had been nominated for the office of Membership Chairman and called for further nominations, if any. There were no additional nominations, and, on motion duly made and seconded, further nominations for the office of Membership Chairman were voted closed.

The President stated that **Les Klear** had been nominated for the office of Safety Officer and called for further nominations, if any. There were no additional nominations, and, on motion duly made and seconded, further nominations for the office of Safety Officer were voted closed.

The President stated that **Dave Correll** had been nominated for the office of Field Marshal and called for further nominations, if any. There were no additional nominations, and, on motion duly made and seconded, further nominations for the office of Field Marshal were voted closed.

The President stated that **Karen Correll**, **Randy Sizemore**, and **Geordan White** had been nominated for the office of Contest Coordinator/Public Relations and called for further nominations, if any. There were no additional nominations, and, on motion duly made and seconded, further nominations for the office of Contest Coordinator/Public Relations were voted closed.

The President stated that **Basil Yousif** had been nominated for the office of Newsletter Editor and called for further nominations, if any. There were no additional nominations, and, on motion duly made and seconded, further nominations for the office of Newsletter Editor were voted closed.

Modeler of the Year: The President stated that all members were free to write in anyone of their choice for Modeler of the year but called for nominations, if any. Geordan White nominated Basil Yousif, and Jim Irey nominated Tom Aschwanden.

Proxy Ballots: The Secretary verified that all proxy forms to be voted at the meeting were completed and signed on the appropriate form and were registered with the Club Secretary prior to the call for the vote. The Secretary collected all ballots being cast by proxy.

Regular Ballots: Members who had brought in filled in Ballots were not required to fill in a new ballot. The Secretary provided a new ballot to all other members present at the meeting. After all members had filled in their ballots, the Vice President collected the ballots and handed them to Ron Brugh and Mike Rutledge for counting. The meeting went on to other matters while the ballots were being counted.

Other Business:

Dues for 2020: The President stated that the Board recommended keeping 2020 dues the same as 2019. A Motion was duly made and seconded to keep 2020 dues the same as 2019, and the Motion Passed.

Budget Committee: The President stated that the Board had appointed him, Gloria Irey, and Karen Correll to the Committee to recommend a 2020 budget. Doug Reid agreed to also serve on the committee.

Drone Training under FAA Rules Part 107: The President reported that he had been approached by Scott Monroe with a request to use our field to conduct training for employees of his company in flying certain self guided drones professionally. He said he had discussed this request with AMA president Rich Hanson and that Mr. Hanson had informed him that so long as the pilots were AMA members and were operating under Part 107, our insurance would be in effect and the AMA had no objection. In later discussions with Scott, it was agreed that all pilots would join AMOS. This arrangement was approved by the Board at its November Meeting. A general discussion and questions and answers followed. More details on this subject are in the minutes of the November Board Meeting.

Fast Track Hobbies Banner: Jim Irey reported that Gloria is using someone with the necessary skills to construct the banner and Fast Track is paying for it.

Election Results: Ron and Mike finished counting the ballots and handed their results to the Secretary. The Secretary announced that all the unopposed candidates had been duly elected to office and that for the one contested position, Contest Coordinator/Public Relations, Karen Correll had received a majority of both the proxy votes and the regular votes. Accordingly, the Officers for 2020 are as follows:

President: Doug Reid **Vice President:** Doug Keller **Secretary:** Jody Kahan **Treasurer:** Gloria Irey

Membership: Jim Irey **Safety/Training:** Les Klear **Contest Coordinator/Public Relations:** Karen Correll

Newsletter: Basil Yousif **Field Marshal:** Dave Correll **Past President:** John Sorenson

The winner of Modeler of the Year will be announced at the El Tapatio Christmas Dinner.

Board Reports

Treasurer Gloria Irey and Doug K presented the treasurer's report as set forth below. On Motion made and seconded the Treasurer's report was approved as read.

Safety Officer Les Klear: There were 30 trainees last month

Secretary Jody Kahan: MOTION made: To approve minutes of previous meeting as published. Motion seconded and PASSED.

Field Marshal Tom Aschwanden: Picked up more wasp spray. John S said he was in the shed and no wasps were present.

Contest Coordinator/Public Relations Geordan White: We had very good events this year.

Membership Jim Irey: 226 members.

President John Sorenson: The AMA Expo this month was the last ever. In its place, vendors will be invited to set up booths at the District X fun fly. AMA is now recommending that clubs should not sign letters of agreement with air traffic control because the FAA is not following Congress's directive to work with the AMA.

AMOS Remaining Event for 2019

AMOS Christmas Dinner: El Tapatio Mexican Restaurant -

Thursday, December 19 - 5:00 PM drinks, 6:00 PM Dinner.

Same place the Christmas dinner was held last year - Across from the Sunrise Mall.

Attendees pay for there own Dinner and drinks, so you can order what you like.

Average price for dinner and 2 drinks is around \$50 per person. \$20-\$30 for dinner.

Address: 5637 Sunrise Blvd, Citrus Heights, CA 95610

- **Phone: (916) 967-2900**

Local Club Event News

Woodland Davis Warbird Funfly - December 7th - I Was Looking forward to this Local Club event but the good weather in October and November didn't last into December and this event was probably not held due to High winds and Rain.



R/C Airplane Engine Mounting Made Easy

I always dreaded mounting a fuel powered engine on a R/C airplane when I got to that step in the assembly.

The problem is that the ARF manufacturers Firewall mounting marks are a good reference to start with but with so many different engine types and sizes you can easily do a bad engine mounting job if you just use the markings alone.

Getting that wrap around muffler and Cylinder Head to be perfectly aligned inside the cowl openings can go very wrong if the engine isn't mounted correctly. This can cause a badly fitted cowl and reduce the streamline airflow over the front of the plane when you have to angle the cowl to fit it in. Sometimes you even have to get a new cowl one and start over.

For this Top Flight Giant P-51 ARF I came up with an engine mounting system that worked really good for me. This Model was originally designed to use a US .41cc engine and the mounting holes are setup for the .41 which throws you off a bit.

First use any cross markings or measurements for marking cross markings on the Firewall that the manufacturer has given or made on the plane. Usually it will consist of a center point and some cross lines. For almost any engine you want to mark lines at a 45 degree angle from the center to get your mounting holes. You can start from a regular cross pattern from center for ease.



Using the markings as a reference get your engine into position so the center of your engine aligns with the center mark and the 45 deg lines, If your engine mount is perfectly square to the center this is very easy. In my case the mounting legs on the DLE 61cc engine are in a off pattern - like most gasser engines. do a visual estimation. and mark ----

"One Mounting Hole"!!



This is what my one hole looked like after full adjustment!!

Drill through the firewall for that spot. Do not drill anymore mounting holes.

Mount your engine with only one bolt. Tighten enough to hold the engine in Place. The engine shouldn't shift or move for you to get a good spot for marking!!



Align the engine to where you think it should mount while tightening the one bolt.



Now Fit the cowl on the plane. The Fuselage to Cowl markings should align. As you can see the engine is not centered. Keep in mind that there might be a engine offset built into the firewall that might change things. Also if you have to fit a tight muffler and don't want to cut the cowl too much on the side you can adjust the engine location. Don't stray too far from the manufacturers center point. I ended up a slight bit over the center point to fit the engine and clear a wrap around Pitts muffler that will sit inside the cowl.

With a Dremel tool -w-small long grinding bit I changed the one hole location until the engine aligned properly with the cowl. Each time I took the Cowl and engine off the plane and reinstalled. Blue tape works good to hold the cowl in position.



Final Fit - Centered!

Measuring helps - Take into account any engine offsets!

Now mark the other 3 holes and drill them. For Gasoline engines make a mark around the standoff mounts then remove the engine. Mark the center of the circle and drill. Add any spacers you need to extend the engine out to the measurement the Manufacturer gives - from firewall to prop washer. I made the Spacers before mounting the engine.

For Nitro engine mounts use a long drill bit and drill straight through the mount hole and through the firewall while the engine is fixed on with the single bolt or screw. Usually the path is clear if the long drill bit goes past the engine. HF sells 2 foot drill bits.

You will still be able to fine tune the cowl location again when you mount it permanently with screws using the propeller and nose cone temporarily installed. You will have a great head start and you won't find you have to move the cowl so far out of position that the plane looks ugly and isn't as streamline. Been there- done that!



Engine fully mounted with Spacers

Cowl cut for cylinder head and muffler

Filling in the larger initial hole - A large fender washer behind the firewall to hold the bolt in place should be good enough but for a stronger mount you can fix the larger hole you made when adjusting the engine.

Push a straw or plastic or metal tube that's the same size as the bolt hole into the spot your going to use in the firewall hole that's over-sized.

Get the plane standing up vertical on the firewall and from the inside of the fuselage fill around the straw with some filler like Epoxy with cut up fiberglass cloth. Pour the mix into the areas around the straw up to the firewall thickness. After the epoxy dries cut the straw or tube and clear out the hole with a drill as needed.

With my Hardwood spacers glued into the firewall I didn't need to fill in the larger hole.

Techniques can change with different engines and mounts but the idea is still the same. Some planes are very simple in that case your first hole won't need to be altered.

Remember to coat bolts with Vaseline when using the bolts to hold the engine and mounts in place while gluing in a firewall blocks or spacers. They won't come out otherwise.

Football Jokes:

Q: What do the Atlanta Falcons and possums have in common?

A: Both play dead at home and get killed on the road!

Q: How do you keep the Detroit Lions out of your front yard?

A: Put up goal posts.

Q: What does a Minnesota Vikings Fan do when the team wins the super Bowl?

A: Turns off the PlayStation

Q: How many Miami Dolphins Players does it take to change a tire?

A: One - unless its a Blowout, in which case they all show up.

Horse Accident:

A Seattle Seahawks football fan was almost killed in a tragic horse accident.

He fell from the horse and was nearly trampled to death.

Thank God the manager of the K-Mart came out and unplugged it.

Baby Bear

So mama bear and papa bear had a divorce and the judge asked the baby bear if he would like to live with his mother he replied "no she beats me".

Then he said "does this mean you want to live with your father"? baby bear replied "no he beats me even more". The judge confused asked" then who do you want to live with".

The baby bear replied my aunt she lives in Chicago.

The judge asked how do you know she will treat you good and not beat you".

Baby bear said" don't worry the Chicago bears don't beat anybody!



Happy Holidays!