



AMOS July 2021 Newsletter

Board Meeting was canceled due to Hot weather at the field.

General Meeting Recap – Denneys -7PM 7/6 /2021

New Business;

The 4 Attending Board Members reviewed the continued development of the AMOS Website. The newly developed website has been well received. There may be a few additions for improvement, but all in all, the website is functioning very well.

The War Birds over Roseville Event was a big success. Excellent turn out, spectacular jets and flights by participating pilots. The event did show a profit for AMOS. The food was great, Thanks to Basil and his team.

A discussion followed relative to requesting volunteers to assist with the set up and clean up for upcoming events. A lot of work goes in to conducting a successful event. We will ask for volunteers at the next Members meeting as well as an email message to the club in early August.

Dave Long Reviewed the ongoing projects for field improvement. The shade covers should be completed by the end of July. Additional AB rock is needed to complete the parking lot development. Dave Long will provide 2/3's of the cost and AMOS will pay 1/3 of the cost.

About 60 units will be required.

A suggestion was made to have Safety Reminder Sheets posted in the pit area, reminding pilots (new and regular members) relative to: - Call-Outs when entering and exiting the Runway - Taxing in the Pit - Low Pass Restrictions Safety will always be our number one priority.

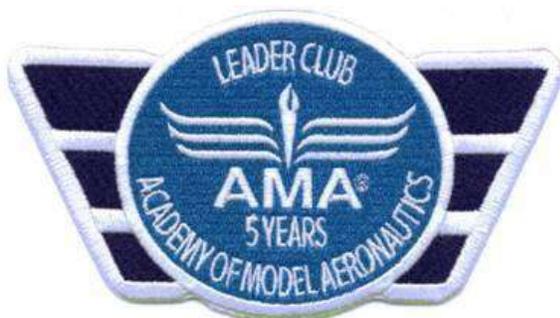
There was a short discussion on what contest / events we should have at the upcoming Electric Fun Fly (August 8th). Possibly, Combat Flying with streamers, Limbo contest, Distressed Pilot contest, Balloon Pop, and landing on the X.

Next General Meeting: Saturday, July 10th after the Swap Meet at the AMOS Field Board Reports Treasure's Report: Balance as of 6/30/21 = \$48,918

AMA HONORS AMOS FOR FIVE YEARS AS LEADER CLUB

In recognition of five years as a leader club, AMA has awarded AMOS the plaque shown above and enough of the patches shown above for every member.

To get your patch, contact Jody at amossecty@gmail.com



Academy of Model Aeronautics

5121 East Memorial Drive
Muncie, Indiana 47302
(765) 287-1256 - Business
(765) 287-4243 - Fax
(800) 434-2682 - Membership Services
<http://www.modelaercraft.org>



May 14, 2021

Associated Modelers of Sacramento (AMOS)
Joel Kaham
4374 Newland Heights Dr.
Rocklin, CA 95765-5067

Dear Associated Modelers of Sacramento,

CONGRATULATIONS! Associated Modelers of Sacramento has been an AMA Leader Club for the past five years.

Enclosed is a patch for each club member and a mounted certificate to recognize your clubs accomplishments. This is our way of saying THANK YOU for the dedication given to the hobby we all love and enjoy.

If you have any questions or need more patches, please contact me at 765-287-1256, ext. 291.

Again, the Academy of Model Aeronautics appreciates your efforts!

Sincerely,

Lois Mock | Charter Club Coordinator
loism@modelaercraft.org
(765) 287-1256 Ext. 291

AMOS RC CLUB					
TREASURER'S REPORT					
DATE : 07/31/2021					
	Current Month	Same Month Last Year	Year To Date	Last Year To Date	Budget (Full Year)
INCOME					
Membership Dues	445	430	12,035	9,150	25,440
Field Improvement Fees	150	450	3,300	2,720	3,750
Late Fees	20		160		-
Event Revenue	1,130		4,985		3,500
Donations, Cash			287	1,153	500
Interest Earned			1		
Other	60		85	70	-
Total Income	1,805	880	20,853	13,093	33,190
EXPENSE					
Field Lease	623	1,241	4,363	4,447	7,592
Porta-Potty	142	134	1,015	935	1,602
Event Costs	35		2,368		400
Field Maintenance		383	239	1,136	3,000
Supplies					1,000
Website Maintenance			330	206	770
County Taxes					255
Training Costs					200
Recognition Awards			143		400
Filing Fees					45
AMA Charter (Including Insurance Certificate			120	120	120
Equipment Purchase			217	670	-
Field Improvements			2,413		5,000
Charitable Contributions			100		-
Postage			110		
Miscellaneous			25	370	
Other			64		-
Total Expense	800	1,757	11,507	7,883	20,384
CASH RECONCILIATION					
Beginning Cash Checking	3,377	33,572	23,312	27,484	23,312
Beginning Cash PayPal	1,275				
Beginning Cash Undeposited					
Beginning Cash Savings	37,001	-	10,000		10,000
Total Beginning Cash	41,653	33,572	33,312	27,484	33,312
Cash received	1,805	880	20,853	13,093	33,190
Cash Disbursed	(800)	(1,757)	(11,507)	(7,883)	(20,384)
Net Cash In (Out)	1,005	(877)	9,346	5,210	12,806
Ending Cash Checking	2,692	32,694	2,692	32,694	36,118
Ending Cash Paypal	2,370		2,370		
Ending Cash Undeposited	595		595		
Ending Cash Savings	37,001		37,001		12,800
Total Cash	42,658	32,694	42,658	32,694	48,918
Operating Cash	29,858	32,694	29,858	32,694	36,118
Field Relocation Reserve	12,800		12,800	-	12,800
Total Cash	42,658	32,694	42,658	32,694	48,918
Field Improvements Authorized, not yet paid			1,000		

AMOS 2021 Event Schedule:

Electric Fun Fly: August 7 coming up!!

Presidents Fun Fly , General Meeting and Swap meet - August 14
Free Hamburgers and Hotdog lunch for AMOS Members and there Families!!

Jet Rally: (David Long) - September 9,10 and 11th

Buddy Box training on Turbine Jets – Thursday the 9th

Thunder in the Valley
JET RALLY 2021
 A Benefit for Wounded Warriors
 Sept. 9-10-11

Thunder in the Valley
Jet Rally

A Benefit for
WOUNDED WARRIOR PROJECT

An Event for
RC Pilots

PROPRIETARY MODELS
AMOS
 OF ROSEVILLE, CA

Let's more info online!
www.amosrc.com/events

AMOSrc.com Amos Field 4015 E Catlett Rd Lincoln, CA 95648

Why Attend Thunder in the Valley Jet Rally? A Benefit for Wounded Warriors

Over 25 Good Reasons:

- This will be the premier RC Jet event in NorCal- don't be sorry you missed it. This is more than just a "fly in"- it will be an EVENT!
- We have a 3/25" long runway with 100' plus grassed runouts on each end!
- We have over 100 acres of emergency landing area, just in case- no rock, trees, shrubs or obstacles.
- We expect 30 pilots and over 100 planes from the Central Valley, Bay Area, Nevada and SoCal
- There are Top High quality acrobatic aerobics up for grabs and plenty of crowd participation for the People's Choice award.
- On Saturday of more operators will vote for the People's Choice Award to bring your best jets.
- After the People's Choice Voting we will have a smoker 3D show, held exhibition and extreme jets (for spectators benefit)
- We welcome RC Jets of all kinds- from large turbine powered monsters to small foam EPS.
- We will have a professional announcer and better sound system that covers the entire pits and spectator's areas
- We are promoting through social media, email and local TV stations so there will be TONS of spectators
- We offer 15'x20' and 10'x25' Shade test rentals. Please see the AMOS web site for details (AMOSRC.com)
- We have some EZ fly space available close to the pits, "Bird cover- Bird sun" Please see the AMOS web site for details (AMOSRC.com)
- With fly-over space of over 125 acres there is plenty of room to fly.
- Easy RV access (in and out) and lots of space for free overnight parking- starting Monday, September 6th
- Three Professional Photographers will be on-site for both "radio control" action flyers- We will hand out 8x10" photos of our best planes/pilots
- We will offer a "Carriage Service" to fetch whatever you need off site during the event. Just place your request at the Registration Desk
- We will have a "Bad- ass" fireworks demonstration Friday night (after night flying). Don't miss this!
- We will have a static show of event activities after dinner along with the awards presentation on Saturday night
- We will be selling high quality Polo Shirts (with the Thunder in the Valley Logo) in addition to Event T-Shirts
- Smarter Images will be selling RC Apparel and can customize your garments during the event
- We are preparing for warm weather with over 1000 sq. ft. of shade, 4 large 60oz-Coolers and Electrical outlets throughout the pits.
- We will have an Air-Cooled Aircraft Throttle test room 22ft.
- We will have high quality "on-site" prepared meals and catered Dinner on Saturday night
- We have a renowned food concession stand (The Corral) where you will find BBQ Tri-Tip, Chicken Skewers, Burgers and a lot more.
- We will provide Free Coffee and Doughnuts Thursday, Friday and Saturday morning
- We will have an Ice Cream Bar and Beverage Stand
- Call Thursday we will give away free flying for AMA members that would like to safety fly a turbine powered jet!
- There are several high quality and inexpensive hotels within 5 miles of the field
- We will have hand washing stations, hand sanitizer and all the stuff to stay safe.
- Spectators FREE
- Parking: FREE
- RV Overnight Parking: FREE

Questions?
 Contact: Dave Long 916-801-7764
 Visit the facebook event page at AMOSRC
 Visit our web site at www.amosrc.com

JET RALLY 2021
Thunder in the Valley

Registration: Visit AMOSRC.com to Register Online or to print the Registration Form

AMOS Flying Field: 4015 E Catlett Rd Lincoln, CA
 at the corner of E. Catlett Rd & Fiddymont Road,
 two miles West of Thunder Valley Casino

Helicopters: September 25 (Basil Y, Geordan W)

Profile Event October 2nd (Randy Allen)

Giant Scale Event

Saturday & Sunday
 October the 16th
 and 17th 2021

At the AMOS-field Located at
 4015 East Catlett RD, Roseville, CA

One Mile from the Thunder Valley Casino
****Great Event Lodging****

Any Giant Scale 79" and above wingspan
 3D Model Airplane can Fly

Free overnight RV parking

Pilots can arrive on Friday 15th to Practice
 Flying at the field.

\$10 Landing Fee Saturday - Sunday no charge.
 AMA insurance is Required

BBQ available for purchase!

The AMOS Field is a Gold Member AMA field
 One of the Best in California

Hosts Dave Sullivan and
 Gary Meyer 916-276- 6990 See: www.amosrc.com

Rotors Over Roseville 2021
 Model R/C Helicopter Event
 Saturday September 25th 2021
 starts at
 9:00AM

Location: AMOS Flying Field 4015 E Catlett Rd,
 Lincoln, CA 95648

On The Corner of E Catlett and Fiddymont Roads
 One Mile East from the Thunder Valley Casino in Lincoln CA

Flying fee \$10 BBQ available for purchase!

3D Stunt and FC3 Scale flying styles
 3 flying areas within the field

Free Overnight R/V parking, Pilots can arrive on
 Friday September 24th to practice

Contact: Basil 916-410-2791 or Geordan White
 916-521-8590

See: www.amosrc.com for more information

Soldering Connections for R/C Applications

Soldering your own connections for R/C modeling is a great hobby in itself. Buying the connectors and making up your own harnesses for batteries, ESC's and Chargers is really very easy. Most experienced modelers are experts at it.

You can save quite a bit of money from not having to buy these already assembled.

Most Batteries come with a connector installed that you might not use because it doesn't match the type of connectors your using on all your Batteries.

With connectors it's important to stick with the same type (Like a Deans Plug) on all your model connections. Aftermarket Deans style plugs are dirt cheap in quantity and are pretty good quality. The X60 and X90 yellow connectors are excellent also, some say the best!

Huge Money saver – If you find yourself switching to another type of power plug like Deans to the X60 or X90 or a mix of both you can make up some adapters. That way you can use your charging leads to charge a battery with the alternate plug. If you look specifically at the Deans and X plugs they can easily be soldered together using no wire, to make adapters.

Making adapters with other types of connectors is still easy – if they don't mate you can use some wire in between the connectors to make the adapter. Get the polarity correct when making the adapters. Add a good amount of solder in between the connections for high amps to pass through.



Tools and Accessories you will need:

A good Soldering Station like the WC100 - \$50 by Weller is a great Hobby Soldering Iron with regulator stand and lasts many years. Also the tips are easy to get and will be available for a long time because of the popularity of this iron. I have used one of these for 20 years with no problems.

There are after market soldering stations for as cheap as \$10-\$20 if you just want to experiment.

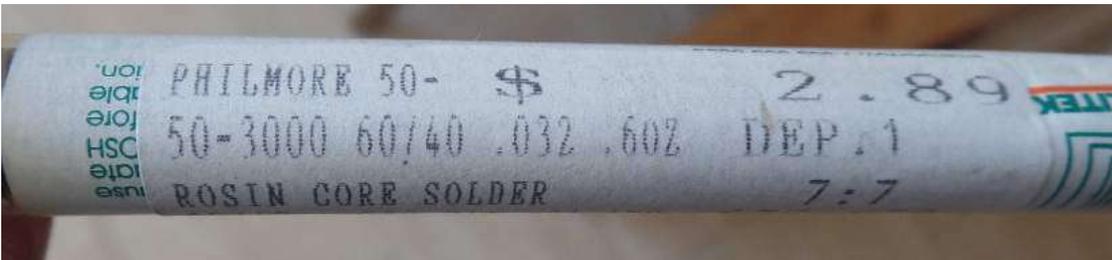
Most of these tools and soldering accessories are available at either Harbor Freight or any electronics store. Between the two stores you'll get all the stuff you need. The best price on R/C specific connectors and wiring is at Hobby King or Ebay. If you mail order R/C specific items you have to know what your ordering. Check - dimensions, gauge of the wire and amp capacity of connectors. Harbor Freight and Hobby King have standard shrink tubing, solder and wiring.



Basic Soldering Tools and insulators



common R/C connectors



Solder 50-3000 60/40 .032 round available at HK. Great stuff!!

You'll need some basic tools like - Wire Strippers, Pliers, Dikes and Scissors.

Soldering Accessories - Shrink tubing - different sizes and Electrical tape.

R/C Specific Items – Deans, X60-90 or other types of Connectors (High Amperage) for Lipo, Life and Lion Batteries. Banana Connectors (Low amp), usually for low capacity battery charging leads. Servo Lead wire. Charging harness parts, Glow plug driver parts and charger wiring will all be in your bag of parts after you become expert at soldering.

Making your Connections -

In this example I am installing a Deans connector onto the ESC battery input wires for a Electric Powered helicopter. All other connections use the same procedure whatever your soldering.

The Soldering station has a heat level control. This should not be turned all the way up. Start somewhere in the middle and turn up if you need more heat. Or a lower setting if your getting enough heat to do the job. All the way up will ruin your tips fast and can ruin parts.

1) Cut your wires Red (+) and Black (-) to equal lengths with some Dikes, and strip 1/8 " insulation off the tip with some wire strippers.

2) When the soldering iron heats up add a small amount of solder to the iron's tip and turn it in the wet sponge in the Iron stand to tin the tip. The tip should now be silver. Repeat this over and over as you work. Keep that tip silver!! Also Tin after you finish soldering.

3) Tin the tips of the Wires and the Connector lugs before connecting them. Heat the contact point for a few seconds then add some solder.

You should have a shiny silver pad on the connector lug and the wire should be completely saturated from all angles with solder. This will take some practice!!

Watch the heat - this is time sensitive, too much heat can cause damage to the parts but too little won't let the solder flow correctly. Find that balance for the size of wire your working with.



Tinning the wire tips for the connector Tinning the connector lugs

A Tip for your Tip!! - When tinning thick wire don't put the Iron on the side of the bare wire while feeding in the solder from the other side, set the hot tip flat on the end of the wire. Feed the solder in from the side near the tip.

Solder will flow easier through the wire strands (similar to electrical current) while applying heat to the end of the wire instead of the side.

This makes the job much easier especially when your soldering heavy gauge wire.



Tin from the end

Setup your shrink tubing

Setup your shrink tubing before soldering the connector. While soldering push the tubing back so it doesn't shrink while your connecting the wires.



Apply heat to the connector lug for a few seconds then drop the wire on. Add enough solder and heat to make a good solid connection.

Tip: The Helping hand's alligator clip can be used to clip the wire on the lug while feeding in solder.

This makes the job much easier especially for thicker wire. You can go back and heat it up after taking off the clip - real quick, to get a nice solid silver ball.

Practice on junk electronics parts to get the hang of this.

Use a Blow Dryer or Covering heat gun to shrink the insulating shrink tubing on the lugs after you have made the connections.



Completed connection (Male Deans)

Clipping the wire while soldering

Keep the Plus and Minus orientation on your connectors, batteries and charging wires the same.

Look at your charger wires to get the correct + , - wire orientation.
Soldering Connectors to Batteries



Deans Female

Connect and insulate before making the other connection

For the Battery connector the female side of the plug is used. This side of the plug has no extending connecting leads that can be easily shorted out. This applies to any type of new style Lipo/ Lion or Life battery connector.

The operation of soldering the wires to the connector is the same as on the ESC side but you have to be aware of the loaded voltage from the battery. Shorting out a large Lipo battery while soldering the terminals could cause a fire.

Isolate one of the Leads by taping it back so it can't touch the other lead. Solder and insulate one lead to the connector. Take the tape off and solder and insulate the other connection. Be careful with clips, iron tips and other tools you can still cause a short if they are cross the battery terminals.

Here's what the connections should look like after you solder.



Perfect solder joints



The cheap Helping Hand Tool

Small Problem while soldering:

The wires get really hot and you have to hold them in place for a few seconds before the solder solidifies. You'll scream out a few times!!

There are some heat proof gloves that can help. Holding the wire with hemostats or pliers can help but make exact placement of the wire a little harder.

New Improved Helping Hand tool available at Hobby King , Ebay and Amazon:



This Helping hand Setup even has a USB powered Fan to cool off your connection joints after soldering. Say goodbye to burning your fingers!
It has so many hands Medusa would be jealous!

Jokes;

The Monastery

A guy joins a monastery and takes a vow of silence: he's allowed to say two words every seven years.

After the first seven years, the elders bring him in and ask for his two words.
"Cold floors," he says.

They nod and send him away. Seven more years pass. They bring him back in and ask for his two words. He clears his throats and says,
"Bad food." They nod and send him away.

Seven more years pass. They bring him in for his two words. "I quit," he says.
"That's not surprising," the elders say.

"You've done nothing but complain since you got here."