



## **AMOS August 2019 Newsletter**

### **AMOS Board Meeting 8/6/19 @ 7:00PM – recap**

**Lease Extension:** John S: Proposal to extend our lease for an additional five years is on the agenda for the August 8 meeting of the Board of Directors of Western Placer Waste Management Authority.

**Field Maintenance:** Tom A: Mowed today, 6:30-10:30. Everything mowed. Thanks to Bob Deatherage for bringing his mower. Will blow the runway Thursday.

**Membership for Former Officer:** John S: A former officer is requesting a year of free membership, but he did not complete his full term of office.

Discussion followed, but it was not known whether the former officer wanted a flying or non-flying membership. Matter was tabled until we know whether he wants to fly.

### **Board Reports**

**Vice President:** Motion to give a thank you card and make a \$50 gift to Marvin B.'s widow in appreciation of planes and equipment donated to the club. Motion passed.

**Membership:** 217 members.

**Field Marshal:** Bob Deatherage reimbursed for blown spindle on his mower.

### **AMOS General Meeting 8/17/19 @ 7:00PM – recap**

**President's Fun Fly:** John S: Nathan was the winner of the Pilot In Distress competition and won a \$20 gift certificate to Fast Track Hobby. Ethan was second and won a cash award. In the balloon-pop competition, Lucas won and received a \$20 gift certificate to Fast Track Hobby. A delicious Lunch, prepared by Basil Y., was free for members and immediate family. The club observed National Model Aviation Day.

**Electric Fun Fly (August 10):** John H. reported the event cleared \$52 with food left over for the President's fun fly. Lucas won the limbo competition.

**National Model Aviation Day:** Jody K: AMA clubs that participate in National Model Aviation raise funds for the charity of their choice. AMOS chose to raise money for Disabled American Veterans Charitable Service Trust. Members and guests were asked to contribute.

**Field Maintenance (Mowing):** Tom A: Thanks to all who helped. There was a good turnout for the last mow.

**Board Reports**

**Treasurer:** On motion made and seconded the following Treasurer’s report, prepared by Gloria I., was approved.

**AMOS  
Treasurer's Report  
July 2019**

Checking Account Beginning Balance 7/1/2019		\$14,788.29
No Deposits		
Disbursements:		
EFT    Land Lease	\$597.37	
EFT    Porta Potty	123.93	
CK#263    Placer County Tax Collector	253.52	
CK#264    Gloria Ireys-Field Maintenance (Sign Reinforcement Materials)	<u>21.74</u>	
Total Disbursements		\$996.56
Checking Account Ending Balance 7/31/2019		<u>\$13,791.73</u>
Note:		
Deposit Made on August 1		
New Members (\$360) & Field Improvement (\$225)		\$615.00
& Sale of Donated Monocoat (\$30)		
Total Cash Available as of August 1, 2019		\$14,406.73

**Secretary:** On motion made and seconded the Minutes of the July General Meeting, prepared by Doug K., were approved.

**Safety/Training Officer Les Klear:** The training program is making money now.

**Membership:** Currently 221 members.

**AMOS Field lease Negotiation Update:**

***President John Sorenson: The lease for our field has been extended for another 5 years through August of 2025. With \$14,000 in the bank and no debt, the club is money ahead for the first time in our history. It is time to start thinking about next year’s officers.***

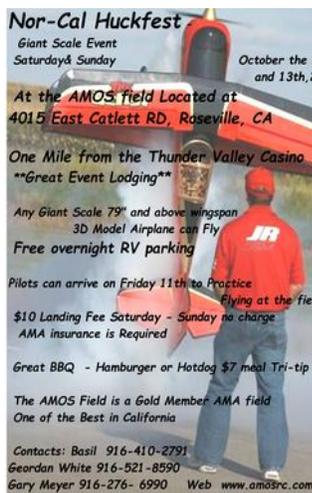
***John will appoint a nominating committee next month.***

## **2019 Event Schedule at the AMOS Field:**

**Jet Event:** Jim Hill will run the event. He will need help including policing the pits and directing parking. Dates will be September 20-22. ***Jet Event Flyer to be posted and sent out Soon!***

**Profile Event:** **October 5 Host Randy Allen**

**Giant Scale Event: October 12:** **Gary Meyer, Geordan White, Basil and Chance to host the event. Last years Giant Scale event had a great AMOS Members turnout. Hope to see more members at the event this year!**



**Nor-Cal Huckfest**  
Giant Scale Event  
Saturday/Sunday  
October the 12th and 13th, 2019

At the AMOS field Located at  
4015 East Catlett RD, Rdseville, 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

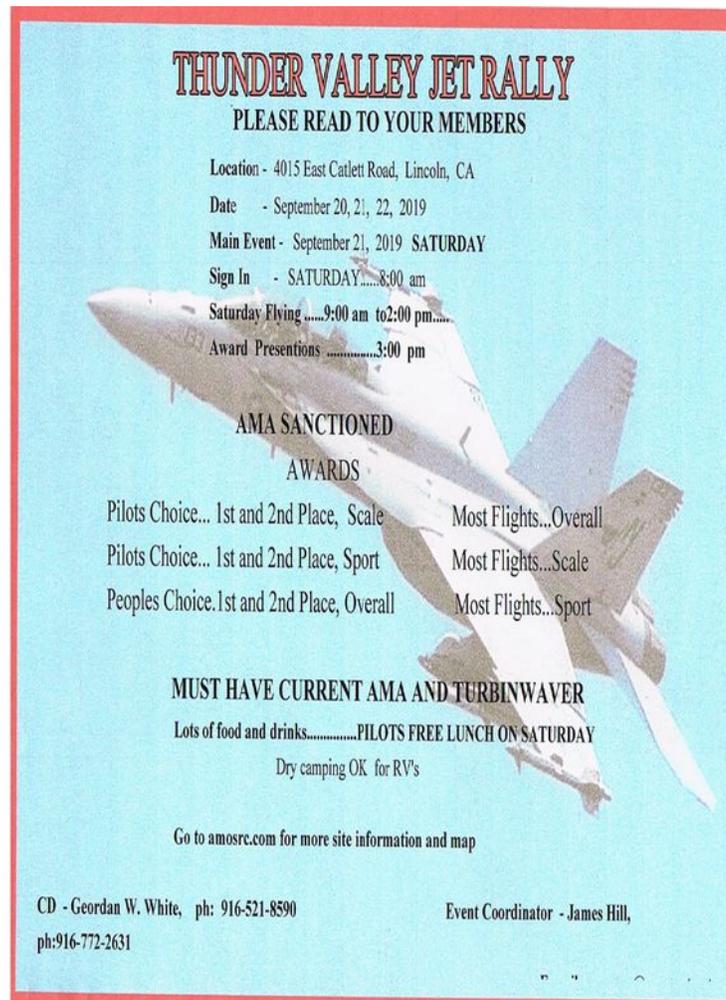
Pilots can arrive on Friday 11th to Practice  
Flying at the field

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

Great BBQ - Hamburger or Hotdog \$7 meal Tri-tip

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

Contacts: Basil 916-410-2791  
Geordan White 916-521-8590  
Gary Meyer 916-276-6990 Web www.amosrc.com



**THUNDER VALLEY JET RALLY**  
PLEASE READ TO YOUR MEMBERS

Location - 4015 East Catlett Road, Lincoln, CA  
Date - September 20, 21, 22, 2019  
Main Event - September 21, 2019 SATURDAY  
Sign In - SATURDAY.....8:00 am  
Saturday Flying .....9:00 am to 2:00 pm.....  
Award Presentations .....3:00 pm

AMA SANCTIONED  
AWARDS

Pilots Choice... 1st and 2nd Place, Scale	Most Flights...Overall
Pilots Choice... 1st and 2nd Place, Sport	Most Flights...Scale
Peoples Choice. 1st and 2nd Place, Overall	Most Flights...Sport

**MUST HAVE CURRENT AMA AND TURBINWAVER**  
Lots of food and drinks.....PILOTS FREE LUNCH ON SATURDAY  
Dry camping OK for RV's

Go to [amosrc.com](http://amosrc.com) for more site information and map

CD - Geordan W. White, ph: 916-521-8590  
ph:916-772-2631

Event Coordinator - James Hill,

**Christmas Dinner: El Tapatio - Thursday, December 19 at 5:00 PM.**

## 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.

Batteries always come new with a connector installed that you aren't going to use. 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.

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

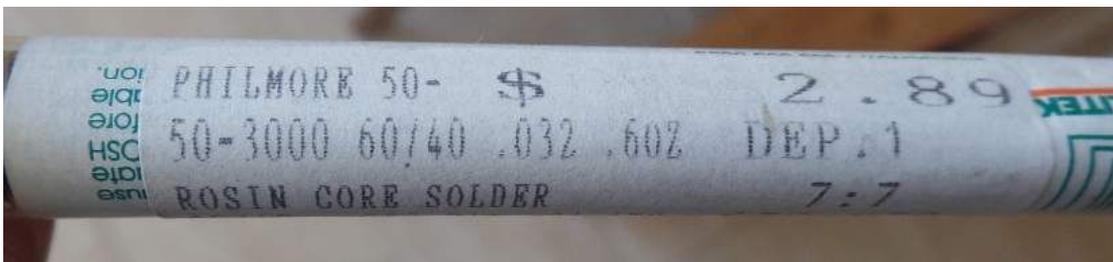
Most of these tools and soldering accessories are available at either Harbor Freight or Fry's electronics. Between the two stores you'll get all the stuff you need. The best price on R/C specific connectors and wiring is at HobbyKing. If you mail order R/C specific items you have to know what your ordering. Check - dimensions, gauge of the wire and amp capacity of connectors. Fry's and Harbor Freight 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 Fry's. 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 1/4 " 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 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**

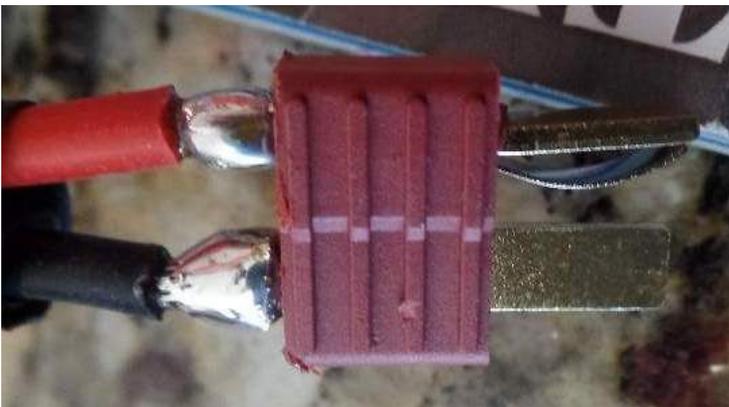
**Connect and insulate before making the other connection**

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 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 ouch 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.

Jokes:

1) *How do you tell if a blonde is using a computer?  
There's liquid paper all over the screen!*

2) *Why did the computer get cold?  
Because it forgot to close windows.*

3) *Why was the computer tired when he got home?  
Because he had a hard drive.*

4) *What's the difference between a computer salesman and a used-car salesman?  
The used-car salesman KNOWS when he's lying.*

5) *How do two programmers make money?  
- One writes viruses, the other anti-viruses*

Cookies!

*In a Catholic school cafeteria, a nun places a note in front of a pile of apples, "Only take one. God is watching." Further down the line is a pile of cookies. A little boy makes his own note, "Take all you want. God is watching the apples."*

Brave Man

*Satan appeared before a small town congregation.*

*Everyone started screaming and running for the front church door, trampling each other in a frantic effort to get away.*

*Soon everyone was gone except for an elderly gentleman who sat calmly.*

*Satan walked up to him and said, "Don't you know who I am?"*

*The man replied, "Yep, sure do."*

*Satan asked, "Aren't you going to run?"*

*"Nope, sure ain't," said the man.*

*Satan asked, "Why aren't you afraid of me?"*

*The man replied, "Been married to your sister for over 48 years."*