



HANGAR NEWS

NEWSLETTER FOR THE FIRST WEEDWACKER
AEROSQUADRON
AMA CHARTER # 1651
September 2018

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Bruce Allan, Larry Bagalini and Keith Miller

HANGAR NEWS is printed for the members of the FIRST WEED WACKER AEROSQUADRON and its contents do not necessarily reflect the policies of the club. Editorial deadline is the 15th of each month. Articles, news items and classified ads should be sent to Don Westergren, 3942 Calavo Dr., La Mesa, CA 91941.

Articles originally published in this newsletter may be reprinted and published by modelers and club newsletters. We ask that credit to the author and this newsletter be acknowledged in the reprint. We will do the same.

CLUB FIELD: Cactus Park (East), Ashwood St. (1/4 mile N-E of El Capitan High School) in Lakeside, CA. Please be sure the last flyer to leave locks the pin box and the gate..

R/C Schedule 2018

Oct 6-7 Sat-Sun Maker Fair, San Diego

Oct 6 Sat Ramona Air Fair, Ramona Airport

Nov 2-4 AMA Expo West, Fairplex, Pomona

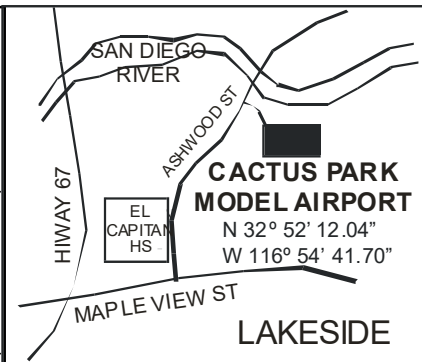
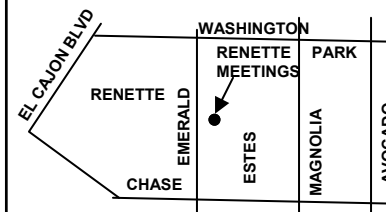
Lots Going On—Read the President's Message

The next month or two, the club has a lot to do. First the club has the future finances to consider—whether to raise the dues and initiation fee to pay for future runway maintenance and club activities. Then the nomination and election of club officers will begin in October. Our September meeting will include a presentation by Cedric Martin of his new invention and product to mount electric motors with adjustable thrust angles.

We recently had a crash and burn of a model at Cactus Park. There were significant things learned during that event—some good and some things that need improving. Safety and Fires are extremely important with our hobby and activities at Cactus Park.

On the very good side, read about the very successful handling of estate models and equipment sales at the National Model Aviation Day at Cactus Park.

NEXT MEETING:
Tues. Sept 7, 7:00
Renette Park





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Meeting Minutes August 7th, 2018

Bruce Allen

The meeting on August 7th, 2018, was called to order by the club President, Keith Miller at 7:00 PM and the membership recited the Pledge of Allegiance in the direction of the flag provided. In attendance were 14, including board member Vice President Jeff Coskey, Treasurer Scott Graupmann & Secretary Bruce Allen.

Opening Comments

(Be sure to add your attendance raffle ticket to the tub)

Keith outlined the project for our Silent Auction & Fun Fly (See further info from Keith in this Hanger News)

Approval of previous Minutes

Proposed: Ron Keith Second: Bobby Rink Unanimous.

Treasurers Report

Opening Balance:	\$2,360.29
Income:	\$315
Expenses:	\$(490.27)
Ending Balance:	\$2,185.02

(Taken from Scotts Spreadsheet)

Proposed: Bill Simmons Second: Ken Lawrence Unanimous.

As per Keith we are hoping to realize a decent profit from the Silent Auction. (See Presidents Message in this Hanger News)

Approval of Treasures Report

Proposed: Bill Simmons Second: Ron Keith Unanimous.

Safety Report

Socks demo at August Meeting on our president! (See Video on Facebook) You can earn your own Purple Heart!

Upcoming Events

Calendar of events are on our Website <http://www.weedwackers.org/ww/events/>

See Presidents Message in this edition of the Hanger News for more details of events!

11th August National Model Aviation day – BBQ Fun-Fly

For BBQ Bobby Rink needs \$120 for the comestibles:

Proposed: Ron Keith Second: Bill Simmons Unanimous.

Bruce will provide 20Ibs bag of ice on the day. Annie will provide baked goods! There will be a \$5 charge for food.

18th August Saturday SDAM Swap Meet at CVMRCC

6th & 7th October Maker Faire (San Diego)

6th October Ramona Air Fare & Fly-in (Missing the Gillespie show? Not as big but still worth going!)

2nd through 4th November AMA Expo West at the Fairplex in Pomona CA

Old Business

Handicap Signs – in further process...

Brilliant new sign showing boundaries Including field Rules provided by Larry Kosta Jr! Many thanks Larry!

Keith looking at including review of it for new members.

Raising Dues

A lot of discussions ensued (See Presidents Message)

Drawing for Free Membership – Larry Hopkins

New Business



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Page Carter & Kyle contacted Keith regarding their father passing & they have to move out of their house soon & asked if we would be interested in the models. Keith sent out a list of the planes which & if you are interested contact them directly

Helicopter pad – They have a 6’ x 6’ which they currently fly from. They have test flown & it seems to be OK with communication with the Chopper pilots & slot 1 plane flying. Working on wooden stand. Jeff asked for comments?

There will be a document produced that will describe the process & operation of the Heli-Pad with a view to amend the Field Rules to cover it.

AMA Safety Handbook - On AMA website.

Mark Huyser – Donated some signs, some of which were maybe politically incorrect?

Show & Tell

Ken Lawrence – showed his beautiful *Pietenpol* 1 model that he had scaled up. Excellent model. Video on Facebook Weedwackers page.

Raffle

- | | |
|------------------|--|
| Keith Miller | Book x2, Plans |
| Bruce Allen | Prop Balancer kit, Mag Glasses
Grab Bag |
| Don Westergren | Book |
| Hank Leichner | Books, Test Stand |
| Mark Huyser- | Nitro Fuel |
| Ron Keith | Ammo Can |
| Jeff Coskey | Grab bag, Wood, Magazine |
| Arnold Lipschutz | Book, Fit Training(?) Quarterly
Review |
| Bill Simmons | Propellers & Stuff. |

Proposed: Close Meeting at 20:23



President's Message Sep 2018

Club Officer Nominations

We're approaching yet another electoral cycle! Nominations for the club officer positions will be accepted between now and the October meeting with a vote at the November meeting. Officer positions include President, Vice President, Treasurer and Secretary. All other positions are by appointment. Self-nominations will be accepted! If you're interested or wish to nominate a fellow member, please speak up!

C. Elections:

(1) Officer Qualifications

a. All officers shall be a Regular Member

B A candidate for President must be a member in good standing for a least one year. Candidates for the other offices must have been a member in good standing for a minimum of six months prior to the election.

c. An officer may serve more than one year consecutively in one office.

d. A member may be nominated for only one office since a single secret ballot will be cast for all offices simultaneously.

Brand New GMS 2000 .47 glow engine with muffler

For the raffle at this upcoming September meeting we'll include this brand new engine that was part of the recent estates. If our raffle ticket sales exceed \$80, we'll include the engine. If not, we'll save it for another meeting or the January banquet. Come on out!



Why we have fire extinguishers

A couple of weeks ago (8/11), we witnessed a small fire when an E-flite T28 lost reception and impacted the dirt field just west of the



runway.

There were some lessons learned:

Positive: Four people responded, but response wasn't immediate. We were fortunate that the field had been very well cleared of brush!

Negative: Extinguisher/shovel weren't in route until smoke was visible.

Negative: **The Safety Cabinet wasn't open!**

This is a failure to follow club rules procedures.

Negative: The north gate was locked which delayed the incipient response. We may likely require the gate be unlocked with the Safety Cabinet before flying commences. I had a report that the fire extinguisher failed and only sputtered. Bring two!

The Fire Department wasn't called which was a borderline decision. Flames were at least 4 feet tall, however it was known to be in dirt.

Positive: Within an hour of the incident, the poor owner purchased a new T28 from the



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Estate Sale in progress at the time!
Since that day, there was at least *one more* hard impact of an electric model into the ground to which no one was prepared to respond until I shouted out that a shovel needed to be brought out.

Please! If you know of or see an electric plane crash anywhere other than the immediate vicinity of the runway, say something and get a shovel and extinguisher on the way!

I can't emphasize this enough.

NMAD Silent Auction (and subsequent Chula Vista Swap Meet)

The National Model Aviation Day was a partial success. I say partial only in that there was very little interest in the Fun Fly which was subsequently cancelled. For Glen Merritt, thanks for being fully prepared to execute! I think you're right - the Fun Fly was foreshadowed by the estate sale and I apologize for that. I truly appreciate your willingness to run the event!

Bobby Rink, as is the norm, did a great job at the grill and we had many snacks for lunch. I'd like to also thank a small group of people who helped pick up the estate items, move them to storage, then move it out to the field for the event: Hank Keas, Mark Huysen, Bruce Allen, Bill Simmons, Ron Keith and Jeremy Miller. Let me also thank our VP Jeff who contributed a significant effort in cleaning, sorting and selling the items. Glen Merritt and Scott Graupmann took care of collecting and transporting the Lew Prince Estate items which were a significant contribution to the event.

More recently, Jeff and I took the remainder of the estate items to the Chula Vista Swap Meet and parted with all but some boxes of pieces, parts and supplies. All in all I can

guarantee that no less than 60 man-hours between all workers went into these events and I'm very glad to report that the club's **proceeds are in excess of \$3400!**

Dues Increase - Proposed Bylaws Change

We've (OK, I've) been talking about an increase in dues to balance the budget against recurring annual expenses. My motion was spawned in light of the cost to properly maintain the runway at roughly \$5,000 every two to three years with a seal coat. This year we invested over \$6,000 to include the pit area. Painting lines will run us about \$500 each sealing phase.

The proposed revision is presented below specific to bylaw Article 5, and will be voted upon at the October meeting (per the revision clause). **Please read below and be prepared to vote in October.**

The changes are shown with original text in strikethrough, and the revised text in bold.

Article 5. FINANCES

B. Initiation Fee

(1) Each new Regular Member is assessed a one-time initiation fee in the amount of ~~\$40~~ **\$50**.

C. Dues

(1) Regular Membership dues are ~~\$60~~ **\$75** per year.

The following discussion is the basis for the motion and proposed increase in dues, much of it a repeat of what I put out in the June Hangar News.

Our current dues are \$60/year - that's \$5 per month. That covers, for the most part, trash services, port-a-potty, newsletter postage, web site hosting fees, field maintenance and support, first aid supplies and more. Our dues also cover the few raffles that we hold (annual banquet and the scale event). We also subsidize a portion of the annual banquet food



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price which is about \$1100. Some will argue that we should simply abolish the banquet (or at least the subsidy) and put those funds into the field. I contend that celebratory gatherings are a key aspect of building comradery within an organization.

Our budget has been fairly well balanced over the past decade. But prices are creeping up and we've historically done a poor job of proper runway maintenance (until our big investment two years ago).

If we increase our annual income by just a couple thousand dollars each year, would could easily cover the sealing of the runway on a regular basis and better stay ahead of the game.

By raising dues from \$5/mo to \$6.25/mo, our 100 members (which exclude Juniors and Life members) would provide an increase in funds by \$1500/year. Over a 2-year period, that nearly covers cost of seal-coat for the runway (not the pits). That works out to \$75/year for each of us - in increase of a mere \$1.25 per month. I throw that much loose change in my coin jar ever few days.

A comparison of local club annual dues:

SEFSD (Mission Bay) - \$50/yr, 300+ members, no paved field, electric only

MRCF (Miramar) - \$60, nice paved runway; restricted to military members with special procedures for civilian access

CVMRCC (Chula Vista) - \$60/yr, (complicated dues schedule); paved runway; located at the border.

Palomar RC flyers - \$200/yr, nice paved runway; located at the I-15 and the 76

Chollas Park RC Flyers - \$80/yr, paved runway just north of I-94 near College Grove

Random examples across the state and country:

RC Model Aircraft Lincoln Rocklin Roseville Sacramento - \$110/yr + \$150 one-time entry

Eldorado Silent Fliers, Long Beach CA - \$30/yr (electric only, fly off grass with no runway)

Victor Valley RC Flyers, Hesperia, CA - \$75/yr + \$25 one-time entry

Stone Mountain R/C Flyers, GA - \$75/yr

Arizona Model Pilots Society - \$75/yr + \$100 one-time entry.

The Lewes R/C Club, Millsboro, Delaware - \$50/yr + \$20 one-time entry

Oregon Miniature Aircraft Squadron, Forest Grove, OR - \$75/yr

Battery Disposal Cans, Chairs

Thanks to Mark Huyser, we have a collection (four) of **disposal cans** dedicate to lithium polymer batteries. These are a significant improvement over the plastic pails which often become brittle and fall apart. Please keep in mind - these aren't trash cans. Mark provided them for the purpose of disposing of potentially damaged for failed LiPo batteries that might have a penchant for lighting off. They're a temporary holding station until you're flying day is done and you take your cooled batteries home for proper disposal. The club doesn't (at least at the moment) have a battery recycling program. Meaning, please take care of your own waste batteries once they've cooled off.

While I'm in the thanking phase, how about those **wooden chairs**! I don't know who the



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generous member is, but they're solid, colorful, comfortable and much appreciated! Thanks guys!!!



Presentation for September Meeting: Cedric Martin on his Adjustable Offset Mount

The following is an excerpt of an article that Cedric provided. He'll show us his invention at our upcoming September 4th club meeting!

"About 3 or 4 years ago, while converting an older Dave Platt, RC Standoff Scale Spitfire to electric power, I was having trouble determining what my motor offset angles should be.

The plans called for 0° offset in both

horizontal and vertical directions, however since I had made a number of changes to the model in addition to changing the power system, I decided that it would be a good idea to have the option of dialing in some offset, should I need it. I wanted to be able to easily change the offset angles, without the trouble of having to take the motor out of the airplane repeatedly.

Surprisingly, the answer came to me quite quickly, but it took another six months to come up with a rough working model and another two years to develop it to a point where it could be easily manufactured.

It was at this point that the decision was made to patent the idea, so it took another six months or so to provide a patent attorney with enough written information, along with drawings, etc., to go forward with the application.

A Provisional Patent (Patent Applied For), was issued to me on August 16th, 2017 and the application for a Full US Patent is currently being prepared by my patent attorney and will be filed prior to August 16th, 2018.

And so, the AOM (Adjustable Offset Mount), is born.

Bolt your motor to the AOM. Bolt the AOM and motor to the fire wall directly on the centerline of the airplane, both horizontally and vertically.

Now you can dial in whatever thrust angles you want, both horizontally and vertically and the center point of the spinner back plate will never leave the centerline of the airplane.

At the September Club Meeting I will be explaining briefly how the AOM system works. I will hand out literature explaining in detail about the AOM and we will take a look at the



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trials and tribulations of some of our fellow RC fanatics, as they try to unravel the mysteries of thrust angles and the associated offset of the motor, or engine, relative to the centerline of the airplane.

I will also pass out to each member present, a sheet of paper that will have a number of question relative to the AOM and our hobby in general.

Obviously, answering these questions is not obligatory, but I would appreciate as much information back as possible. This information will help me in determining the viability of my invention and go towards an even larger study that will help determine the ultimate success, or otherwise, of the AOM as an acceptable product within our hobby.

The sheet will include my email address and my telephone number. Once you have answered the numbered questions on the sheet, I would ask you, if you would, to email your answers to me so that I might tabulate them. The telephone number is in case you wish more information, or have any questions.

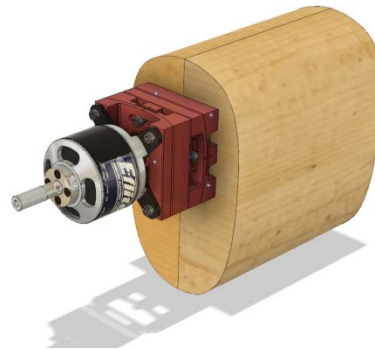
Again there is no obligation on anyone's part to answer any of the questions on the sheet.

If you do, however, you will be helping me tremendously and I thank you in advance.

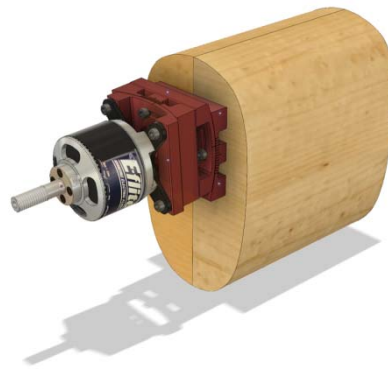
I want you to know, that apart from a handful of people, no one else has ever seen the AOM.

Outside of my family, only two people have ever seen this motor mount and one of those is my Patent Attorney.

Other than those people, YOU ARE THE FIRST!



This view shows the AOM and motor bolted to the centerline of the airplane with no adjustment made. Notice the protractor scales graduated in 1° increments.



This view shows the AOM and motor bolted to the centerline of the airplane, but now with both horizontal and vertical offset angles dialed in.

With interpolation, it is possible to adjust your offset angles to within 1/4°, or less. The accuracy is only limited by the naked eye!"

Whew - I'm out of breath! Well, at least my fingertips are sore from typing

Keith

Ramona 2018 AIR FAIR & FLY-IN

SATURDAY, OCTOBER 6
9AM-3PM

FOOD TRUCKS
LIVE BAND



RAMONA AIRPORT, 2926 MONTECITO RD, RAMONA, CA 92065



  **FREE ADMISSION AND PARKING**  

FEATURING

- Special Guests Red Eagles Formation Team, Ramona Rattlers & March Aero Club
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- Smokey Bear
- Local Fire & Sheriff's Departments
- Local Businesses & Flight Schools
- Aviation Organizations
- Classic Rotors Museum Tours
- Control Tower Tours
- Free Tethered Rides in RE/MAX Hot Air Balloon
- Free Young Eagle Flights for Kids Ages 8-17
- Airplane Rides
- Classic Cars
- Live Country Music with Southbound Jonny Band
- KSON Promo Team & DJ
- Craft Beer Garden
- Food Trucks
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