

# WOODLAND / DAVIS AEROMODELERS



Welcome April

As a member of a group of hobbyists that have come together for a common interest, I try to keep the Prez Sez article in a positive construct. I will try to do so again, now. With the recent pandemic and its associated recommendations, we need to discuss where that puts WDA and it's field. We are NOT closing the field, however, we will be observing the NO SOCIAL GATHERING, SOCIAL DISTANCING, and PERSONAL HYGENE recommendations. Obviously, if you are ordered or self-quarantined, please do NOT do so at the field. We (WDA) are asking that you increase the social distancing from the recommended 6' to 15', and in doing so that we only occupy every other table for assembly. It is suggested that you wipe the table before and after use. Please be conscious of the little things, like wiping the lock before operating the tumblers, or gloves if possible. When at the field flying, please, quad pilot and helo pilots, use the areas set aside for you to help leave room for fixed wing needing a runway. The Helos to the north, quads to the south. And last, but not least, be respectful of others, we are all adults in a difficult social situation. If you see the field is looking crowded when you arrive, please don't force it!

Fly Safe!!!

Doug Vice

[Dougv69@gmail.com](mailto:Dougv69@gmail.com)

**WDA Club Meetings are postponed until we get past this "shelter in place" period**

**Prez Sez**

**Doug Vice**

**Meetings Minutes**

**Mike O'Kane**

**Modeler's Corner**

**Rich Geertson**

**WDA Events Calendar**

**Other events**

## **Woodland Davis Aeromodelers March General Meeting**

Meeting called to order by Doug Vice.

Members present: Doug Vice, Randy Sizemore, John Eaton, Mike O’Kane, Jeff Lovitt, Dan Winters, Doug Barton, Keith Young, Chris Dellinger

Last month’s minutes reviewed, motion for approval, 2<sup>nd</sup>, and passed with one objection.  
11 General members are present.

Recognition of guests and new members, none present

### **Officer reports**

- ◆ President: Doug commented how nice the Field is looking with the clean up taking place.
- ◆ Vice President: No comments
- ◆ Treasurer: John reports income of \$2,612.00, expenses of \$70.00 with a checking account balance of \$8,611.00, the year to date comparison is about \$1,000.00 less in checking than this time last year.
- ◆ Secretary: No comments.
- ◆ Chair Reports:
- ◆ Membership: John reports there are approximately 77 memberships issued to date.
- ◆ Safety Chair:
- ◆ Field Chair: Art Williams is present, and is working up a “to do” list for
- ◆ News Letter: Rich Geertson is not present, as usual any article you care to see published please send to Rich’s attention for inclusion in the NEWS Letter.
- ◆ Points Chair: John Stein has the point tally current as of this meeting.
- ◆ WEB Page: Kerry has the WEB current

**Events Reports:** Monte reported that the Annual Giant Scale event in Atwater (Castle AFB) has been cancelled due to loss of the flying site to development.

Monte motioned to host the Giant Scale event at WDA as a fun Fly on May 20<sup>th</sup> through the 25<sup>th</sup>, Field to remain open. Motion received a second and was unanimously approved.

### **Old Business:**

Snack Shack shade structure rework proposal submitted. Proposal submitted was for the metal required to complete the rework to be donated by a club member and the welding cost would be picked up by the Club. The Board requested a welding estimate. Follow-up of the welding estimate was for \$1,400.00, this info was sent via e-mail thread to the Board, replies were received with the majority of the members approving the welding cost. Project is moving forward.

Item is open.

### **Water Project.**

3” PVC pipe for the suction section has been purchased by a Club Member and will be installed after the winter flow in the ditch subsides and summer tail water flow returns.

Item is open

### **Woodland Christian after school STEP program.**

This project has been postponed until fall

Item open

**Pick-up truck**

Truck has been removed

Item closed

**Salvaged Sun room parts**

Item has been scheduled or disposal

Item is open

**Copious model plans (container/plans)**

John Eaton commented the plans currently stored in the Conex containers were from a private collection and the owner was trying to preserve early vintage model plans. The Club intent is to categorize the plans and preserve the vintage model plans.

Item is open

**Fencing**

Monte Welch retracted his previous motion to remove the fence and submitted a modified motion that called for North and South portions of the pilot fence be removed leaving 40' of the current fence in the center of the Pilot line. If pilots so choose they could utilize the small portable barriers. This motion received a 2<sup>nd</sup> and discussion began.

Numerous comments from the membership were voiced, ADA concerns were brought up as well as interference of the transmitter signal.

There was not enough information provided that substantiated signal interference. Safety interference concerns were discussed that included lowering the fence down to the ADA height of 34" which would put the transmitters above the fence top and mitigate interference concern to an acceptable level.

Comments regarding pilots flying from the taxi way were brought up, some of these pilots preferred to be closer to the runway than the pilot line and blocked the visibility of other pilots. In addition if a pilot wanted to fly without a fence in front of themselves they could stand North or South of the taxi way but would need to stay behind (East) of the designated pilot line.

Monte withdrew his motion to modify the existing Pilot fence.

A new motion was made that for Safety concerns, the existing Pilot fence be lowered to ADA standards of 34", the motion received a 2<sup>nd</sup>. Discussion was tabled until the next meeting.

Item is open.

**Tables**

Picnic tables have been reworked and painted.

Pit tables: Discussion took place that will rework the existing tables to ensure the tables are structurally sound and new tops and edging will be installed. One table is to be reworked and cost determined

Item is open.

**Work Party 3/28/2020.** With the Coronavirus concerns we all need to consider our own and family health, the near term events (Jet and Helicopter Scale Masters) are cancelled or postponed. Look to the WDA WEB page for status of the Work Party.

New Business: RC aircraft flying over the U-control area.

Meeting adjourned.

## Woodland /Davis Aeromodelers March Board Meeting 2020

March 9, 2020

Members present: Doug Vice, Randy Sizemore, John Eaton, Mike O’Kane, Jeff Lovitt, Chris Dellinger, Dan Winters, Doug Barton, and Keith Young.

### **Officer Reports:**

- President: Doug commented how good the field is looking as the cleanup progresses.
- Vice-President: No comments
- Treasurer: John reports \$2,612.00 of income and \$70.00 of expenses for a net income of \$2,542.00. Checking account balance is \$8,611.41.
- Secretary: No comments
- Chair reports: Art continues to work on his “to do” list. Tuesday and Thursday are the normal work days for Art and other to be at the Field. Thursday is the normal mowing day with the runway shut down while mowing near is in that area. If you would be interested in mowing or would care to work off some points Tuesday or Thursday please contact Art Williams.
- Membership: John has issued 77 cards to date.
- News Letter: Rich is always looking for content, please reach out to him if you have an article of interest you would like to see published.
- Web Page: Kerry has the page up to date with points tally.
- Safety Chair: John commented on the Boards responsibility to ensure the Field is operated as safe as possible.

Work Party: Saturday 3/28/2020

Membership letter sent.

### **Old Business:**

**Water:** Art has priced 3” PVC pipe to replace the 6” suction line and will pick the pipe up before the next meeting. Cost of the pipe was covered by a club member donation.

**Shade Structure:** A proposal was presented to the Board that provides the steel pipe being donated by a club member with the cost of welding and concrete being funded by the Club.

The Board asked for a cost estimate of the welding which will be provided via e-mail, the concern is to have the Shade structure rebuilt in time for the first event of the season. The e-mail information will expedite the decision process rather than wait for the April meeting.

**Fence:** Discussion will continue at the General Meeting. ADA height was mentioned and deferred to the General Meeting.

**Truck:** Arrangements have been made to have the truck towed away which is anticipated to take place before the April meeting.

**Sun room:** Disposal of the sunroom that was salvaged is scheduled.

Model plans in Conex(s): Doug B. will begin to organize.

Work Party: 3/28/2020

**Events:** Wings of Victory June 27-28 ( date change for wings).

Add December 6, Pearl Harbor fun fly day (open to all AMA members). Date changes were motioned, 2<sup>nd</sup> received and motion passed unanimously.



# Modeler's Corner

With all of us covering, er, uh, sheltering in place, I assumed I would be DELUGED with BUILD ARTICLES from all the modelers who have been waiting for this opportunity to live at their building boards! Well, not so much...

So, I continue to progress on my Bates Bearcat project, although admittedly, progress feels slow as I get into the nitty-gritty of engineering everything to work in harmony BEFORE I move onto glassing and finishing. Translation? Install, test, tweak, remove—REPEAT MANY MORE TIMES.

LOTS still left to do on this bird, but my strategy is to just keep biting off bits and pieces to avoid becoming overwhelmed...

I did reach a milestone recently by finally programming and operating the retracts and gear doors with everything installed in the airframe. I can't include the video I took of a couple of gear cycles. I can say that I REALLY LIKE this Robart rechargeable electric air pump.

Don't you just love the internet? I found an informative video on how to program my Futaba 18SZ for retract and gear door sequencing. WORKS GREAT!

The magnificent Sierra gear are air-operated, but the gear doors and retractable tailwheel are servo operated. The madness behind my method is to limit the number of air-operated gadgets on board, thus, limiting the number of air connections as well as the demand for air, all in an effort to limit the number of possible gear failure points. Only time and flying will tell if my strategy pays off.

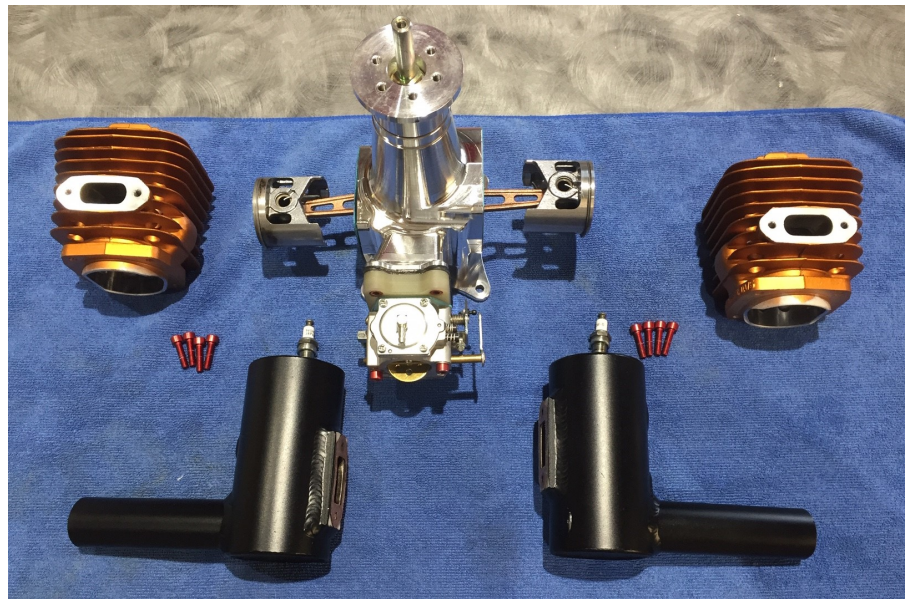
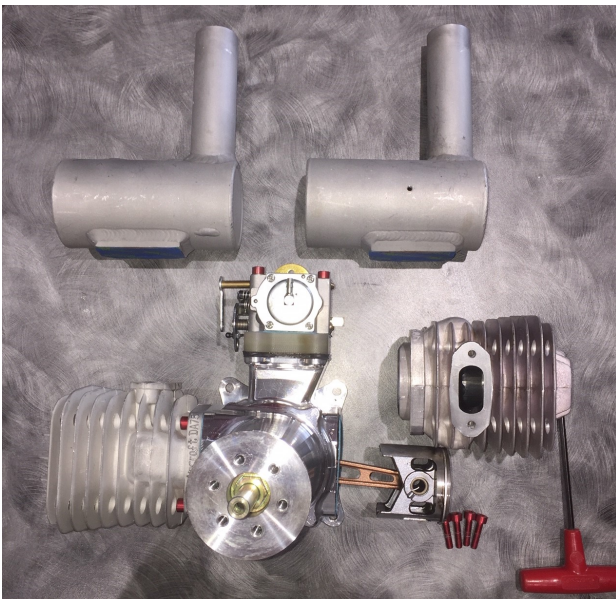
My other modeling passion is ENGINES. Got a hankering for running some of my engines lately, which is usually accompanied by cleaning and detailing them as well.

First, I was bench testing a DA150 for a buddy. I have never used air cleaners on my engines and have never (knowingly) experienced any damage from not filtering incoming air. Well, there's always a first...

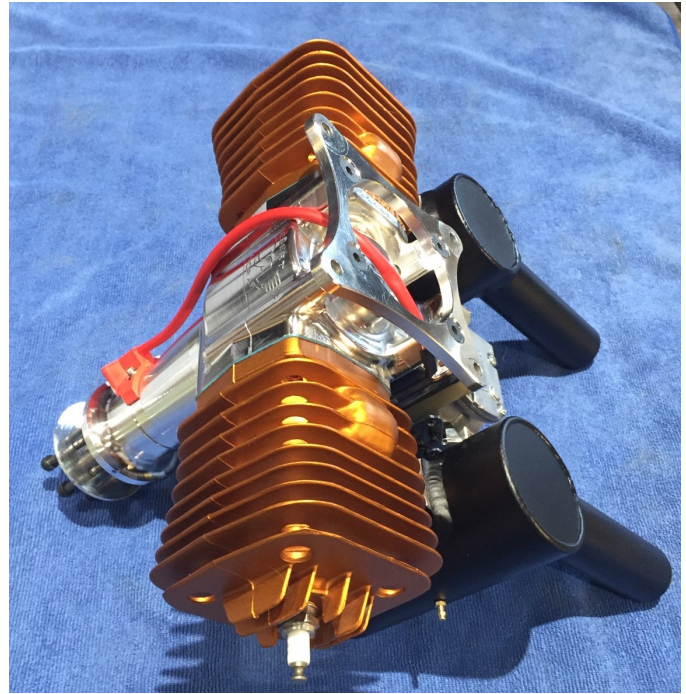
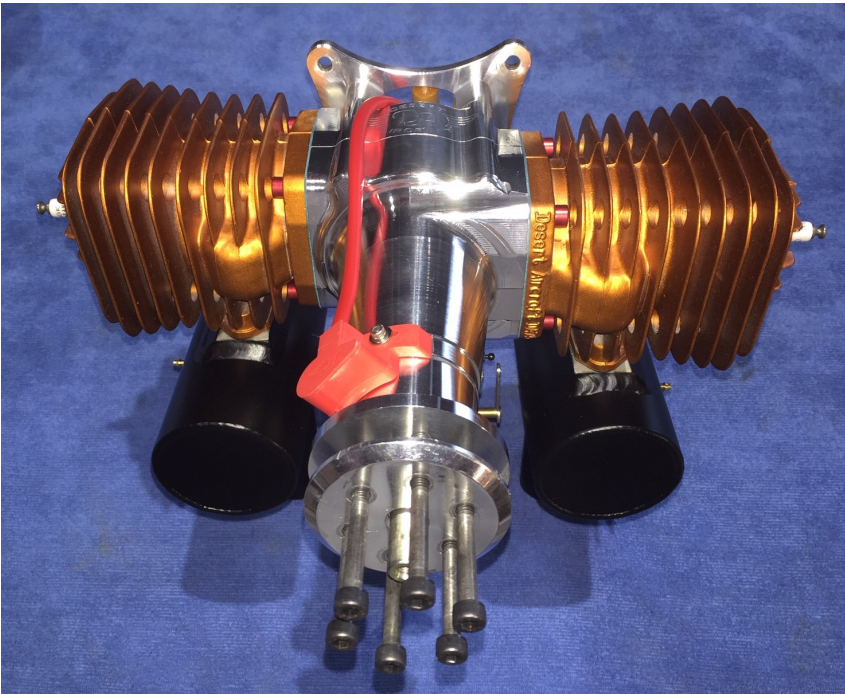
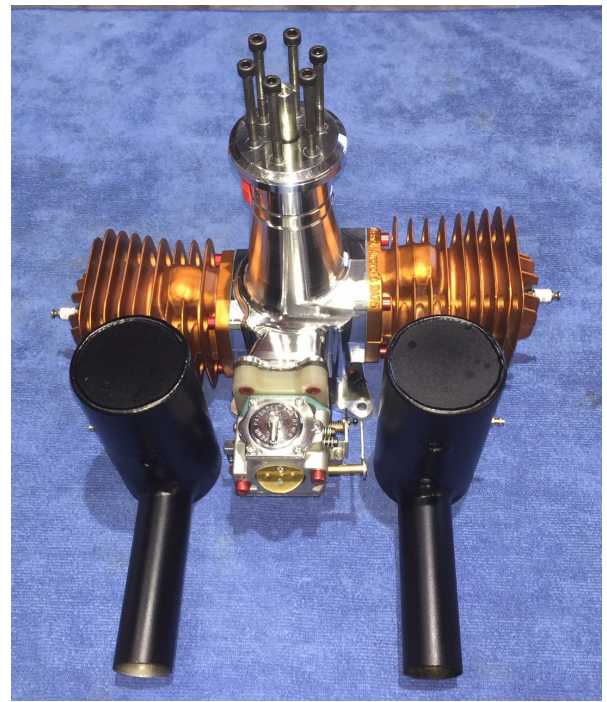
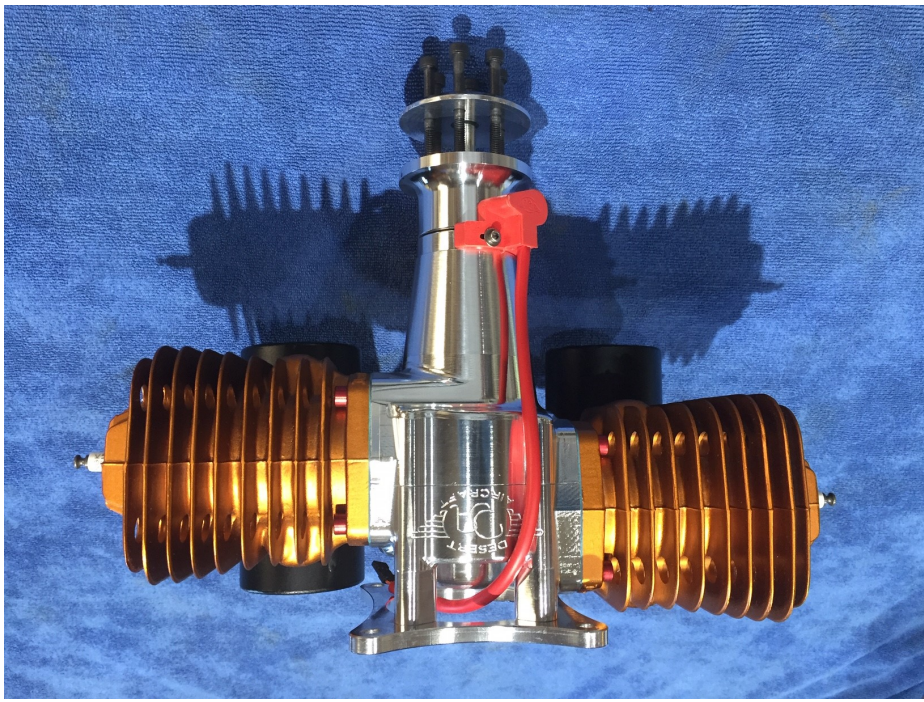
So I finish testing this DA150 (which runs absolutely AWESOME!) and am removing the mufflers, I notice some serious grooves in one piston! The piston also feels 'loose.'

Rather than delve into it myself, I shipped the engine to DA for their inspection. NOTHING internally was found to be wrong... no shattered piston clip, no flaked bearings, nothing out of the ordinary, but INDEED, the engine had ingested something through the carburetor which trashed a piston and cylinder!

After receiving the repaired engine back from DA, I elected to "cherry it out," per se...







I test the engine yesterday and can say it runs as good as it looks, even picking up 150 rpm on the top end!

I've also been running some my model diesels, which required that I mix my own diesel fuel (model diesel is no longer commercially available). My "brew" consists of 42% kerosene, 35% ether (acquired from a can of John Deer starting fluid), 23% SIG castor oil, 2% diesel cetane booster (available at auto parts stores). If you have never run a model diesel, be advised that they are quite different (from a glow) in operation. I have run MANY types of model diesels over the years. I find them more difficult to set up properly, and do not believe most of the hype about their "advantages" over comparable glow engines. Also, diesel exhaust has a distinctive smell. Some love it, some hate it. I fall partially into the former category, but at some point, even I get tired of smelling it on everything... and believe me, the smell gets into EVERYTHING, so whatever clothes you wear while bench testing, and any rags you used to clean up the diesel slop, WILL FOREVER smell of diesel.

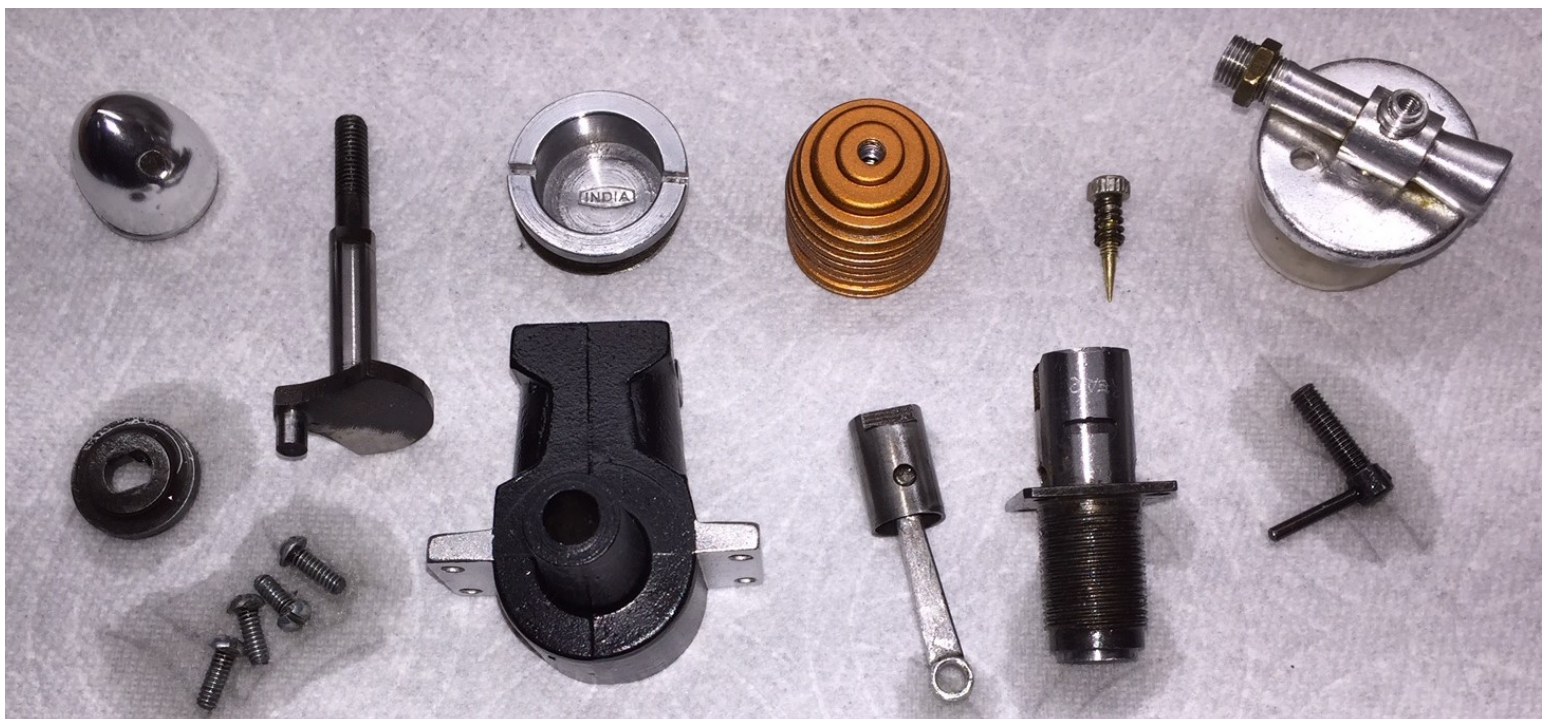
One of the diesels I tested is an Indian made Mills copy, known as a "K-Mills" – this one a 1.3cc version. It started readily enough (I always try to avoid resorting to an electric starter), but I could not get it to run "under compressed." When tuning a model diesel, the trick is to find the optimal compression, based on



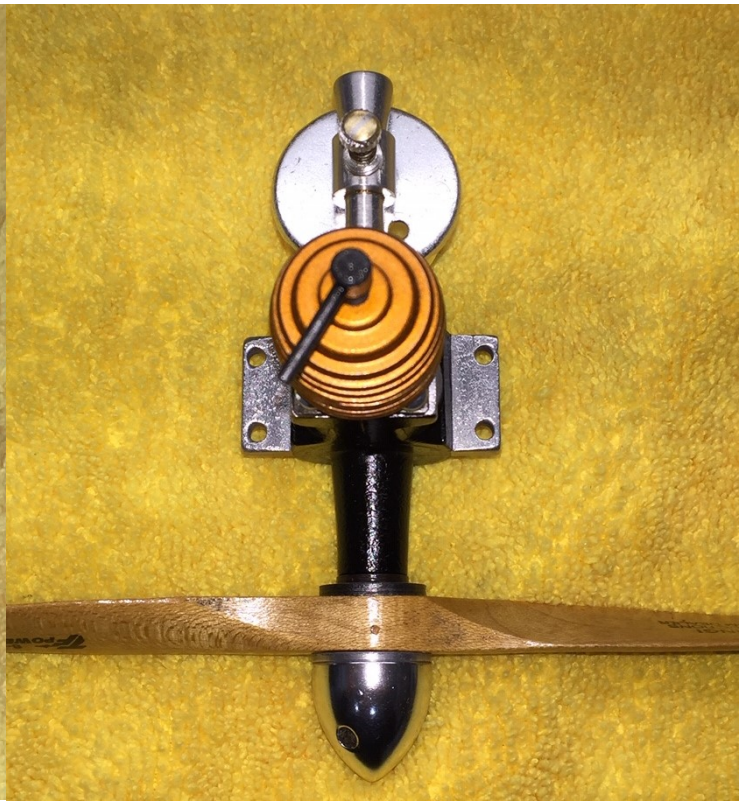
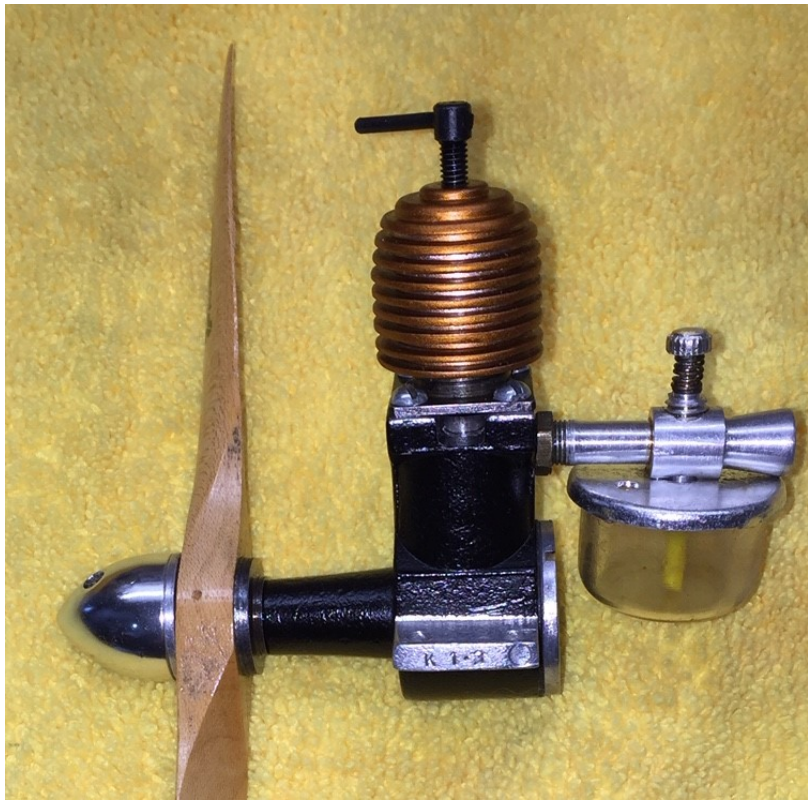
the prop and fuel being used. To do that, you must “sneak up” on the proper compression by first backing off on compression until the engine is ‘missing,’ then increasing compression just until the engine runs smoothly. At the same time, tuning the mixture is also necessary as the two are inter-active. This K-Mills would start, run up, then slow down and quit. Despite backing off on the compression adjuster, I could not achieve an under-compressed ‘miss,’ and concluded the engine had a stuck contra-piston. In disassembling the engine to free the stuck contra-piston, I inadvertently broke the NEEDLE valve. Finding my only choice was to purchase a replacement from England for about 4 bucks, PLUS \$16 to ship it, I elected to make my own replacement.

After determining the needle was the equivalent of a 4-48 bolt, I then went on a search (through my stash of hardware) for a suitable replacement “blank.” 4-40? Got TONS of those. 3-48? Yup, got those too. But 4-48?? Well, after much searching I DID find one and began the tedious process of transforming it into a needle valve. Again, the pictures tell the story. Just lots of filing and turning, by hand... I silver soldered a small knurled top to the bolt and I think the finished product is about at the same standard as the rest of this crudely built little engine. ;-)

While I was freeing the stuck contra-piston, I cleaned, painted and polished the engine. Haven’t run it again... paint has to cure for 7 days.







I also spent considerable time cleaning an old O.S. Max H.60 goldhead and Davis Soundmaster muffler. My problem with so many of these engine projects is that they are SPUR OF THE MOMENT, so I usually do not take a BEFORE picture to compare to the AFTER pictures, but believe me, both the O.S. and muffler were worn and dirty, with baked on crud that required LOTS of elbow grease to remove. This poor O.S. "goldhead" exhibits virtually NO GOLD, probably due to a life of abuse and over-heating. BUT I ran this vintage .60 with the Davis muffler, and it performed beautifully. It's unfortunate Davis Diesel Development went out of business - it's owner, Bob Davis, passed away - as his diesel heads and Soundmaster mufflers truly are excellent products. He was one of the last to offer diesel fuels. Here is the detailed O.S. and Soundmaster muffler (VERY effective).







A far less successful engine test was of an old Fox .29RC. All Fox engines are test run before they leave the factory, so it would be inaccurate to refer to any Fox engine as "never run," but this one probably was never started since leaving the factory some 40+ years ago... and now I know why... the \$&\*#^%\$)#&!! thing won't start! I tried everything and all I could manage was a top rpm of about 2,500, briefly, before the engine would starve for fuel and die. One GLARING problem was a complete absence of fuel draw. It should be possible to choke ANY engine by covering the carburetor opening and turning it over. This effectively "chokes" the engine, drawing fuel into the fuel line and into the carburetor. NOT SO with this frustrating Fox. I could pressurize the tank

and PUSH fuel into the carburetor, start the engine, and watch it blubber and spit, wide open throttle at a blazing 2,500 rpm, before slowing and dying. IF I reduced the throttle, it would run slower and bit longer owing to the reduced demand for fuel, but in every case once it burned what I had pumped into the crankcase, it would die.

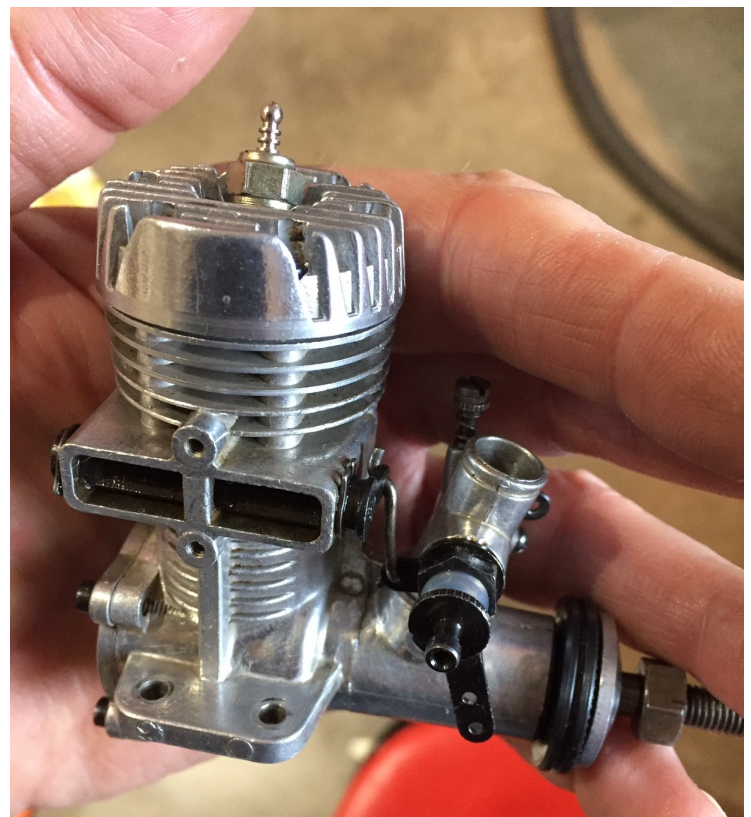
I disassembled the carburetor, confirming that both the low and high speed orifices (in the center barrel portion) were open and clear. I sealed the poor carb to crankcase fit. I sealed the back plate. I replaced the low and high speed needle springs with fuel tubing to help seal the poor needle to carburetor fits. I verified head bolts were tight. I tried a new glow plug. Close examination of the engine case does not reveal any cracks, but the lack of fuel draw usually always points to a lack of vacuum.

NOTHING WORKED. This engine WILL NOT DRAW FUEL. It is THE most bizarre problem I have ever seen with a simple glow engine.

Just to be sure I wasn't overlooking something, I removed the Fox from my test stand and, changing nothing else, proceeded to run a Testors McCoy .29RC, McCoy .19RC, and K&B .28 Sportster, ALL with zero issues.

I have owned and flown many Foxes over the years. While almost all of them exhibited shortcomings of one type or another, this .29 takes the cake. **Any ideas?** (It does make a unique paper weight)...

**Rich Geertson**





## WDA 2020 EVENTS

<u>Date</u>	<u>Event</u>	<u>CD</u>
4-Apr	Norcal Afterburner	<b>POSTPONED</b>
April 24-26	Spring Float Fly	Randy Sizemore
May 7-9	Heli Scale Masters	Mike O'Kane
May 16-17	Fred Burgdorf Race	Robert H.
1-Aug	Old School RC Jamboree	Rich Geertson
Aug 29-30	Goyet U/C	Walt G.
Sept. 12-13	Pattern Spectacular	Laurence Tougas
Sept. 26-27	Meet n' Meat U/C	Jim A.
Oct. 10-11	Fall Float Fly	Randy Sizemore
Oct. 10	Golden Age Fly In	Rich Geertson
Dec. 6	Pearl Harbor Day	
Jan. 1 2021	Chilly n' Chili	Forrest Barton

To all WDA members....

I started the fence issue again this year because the current fence was not being utilized by many of the active pilots. I thought that the safety fence should be one that the pilots wanted to use, but for whatever reasons they did not want to use the current fence, so I proposed a different system at the recent March meeting. There was a lot of discussion, which led to another motion being made by another member, that the current fence be lowered. It seems that the club members at the meeting was agreeable to that idea. This motion on the fence being lowered will be voted on at the April meeting. I am sure that it will pass. After this fence is lowered and the majority of the pilots utilize this lowered fence, I will be happy with the fact that my original goal for safety for the active pilots will have been achieved. **MISSION ACCOMPLISHED!!!**

I want to Thank many members of the WDA club who supported me in my effort to bring safety back for the active pilots, that appeared to be lacking with the current fence as it is.

See you active pilots at the field.... And please make an effort to utilize the new lowered fence.

Monty Welch

**5TH ANNUAL**

# ROTOR RALLY

**HOSTED BY TURLOCK R/C CLUB**



**SWITCHBLADES**

**APRIL 24<sup>TH</sup> - 26<sup>TH</sup>**

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yakyak55@charter.net  
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# ***Rotors Over Roseville 2020***

## ***Model R/C Helicopter Event***

***Saturday May 16th 2020 starts at 9 :00AM***

***Location: AMOS Flying Field***

***4015 E Catlett Rd,  
Lincoln, CA 95648***

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

***Flying fee \$7 and BBQ Hamburger or Hotdog Lunch \$7  
Tri-tip sandwich Lunch \$10***

***Pilots must have Valid AMA insurance  
Helicopter and Multi Rotor Help Desk for Beginners***

***3D Stunt and***

***FC3 Scale flying styles***

***3 flying areas within the field***

***Free Overnight R/V  
Friday May 15th***

***parking, Pilots can arrive on***

***If it Rains on May 16th the Event wil be held on the  
Next Saturday - the 23rd***

***Contact: Basil 916-410-2791 or Geordan White***

***916-521-8590***

***See: [www.amosrc.com](http://www.amosrc.com) for more information***

# Woodland Davis Aeromodelers

is celebrating the

## 25th WINGS OF VICTORY

### June 26-28 2020



**TBF AVENGER**  
Torpedo Bomber  
(Kellogg Kit)

Aircraft must be in appropriate warbird colors

Open flying after Noon Sunday

60 x 600' petro-mat runway with 25 x 600' grass runway alongside

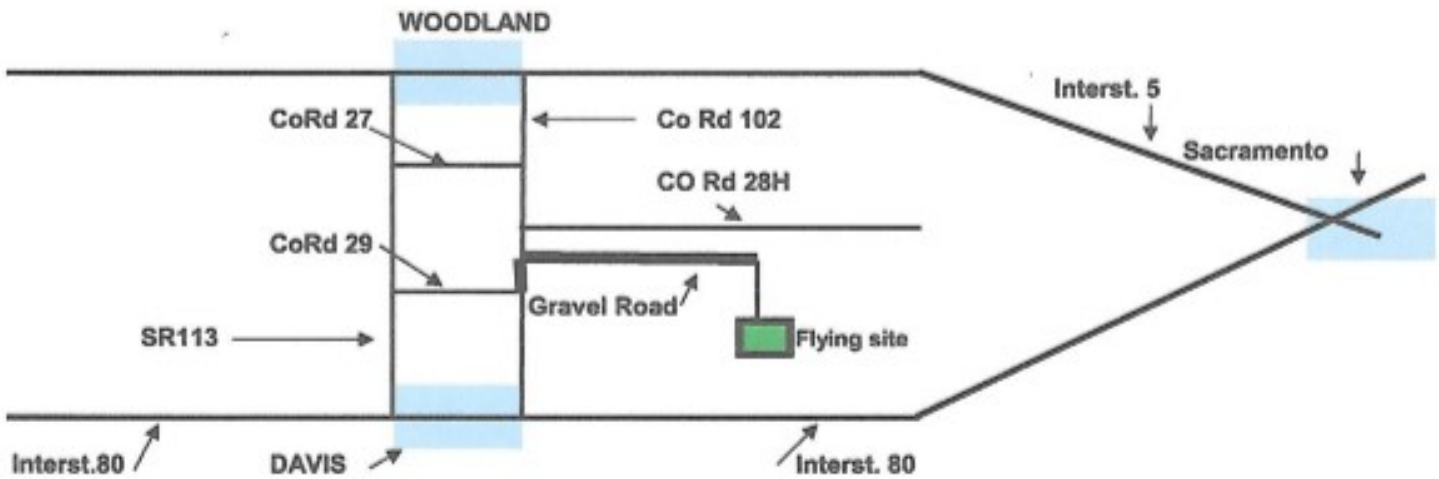
Camping and RVs allowed... No Hook-ups  
Restrooms and Snack shack on site

Registration for the 3 day event is \$25  
includes free Hamburger or Hot Dog

**Electric A/C OK**  
**Must be ROG capable**

CD for the event: Monty Welch  
cell phone 707-365-8878

No raffle-No trophies  
Just come and fly



For more info:  
Email Monty Welch at [Loon12@aol.com](mailto:Loon12@aol.com)

WDA website: [www.wdarc.org](http://www.wdarc.org)



# **Nor-Cal Huckfest -**

**Giant Scale Event  
Saturday & Sunday**

**October the 17th  
and 18th, 2020**

**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 16th 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 \$10**

**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](http://www.amosrc.com)**



# WDA Officers and Board

**President** Doug Vice  
(916) 949-8323 [doug69@gmail.com](mailto:doug69@gmail.com)

**Vice President** Randy Sizemore

**Treasurer** John Eaton  
(530) 681-5316 [johneaton@sbcglobal.net](mailto:johneaton@sbcglobal.net)

**Secretary** Mike O'Kane  
(530) 796-4377 [micharlokane@gmail.com](mailto:micharlokane@gmail.com)

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[controlinedoug@aol.com](mailto:controlinedoug@aol.com)

Chris Dellinger (707) 446-9647  
[cdellin@sbcglobal.net](mailto:cdellin@sbcglobal.net)

Keith Young (530) 848-3666  
[k\\_young52@yahoo.com](mailto:k_young52@yahoo.com)

Jeff Lovitt (530) 304-9502  
[jlovitt@sbcglobal.net](mailto:jlovitt@sbcglobal.net)

Danny Winters (916) 342-0679  
[win51@comcast.net](mailto:win51@comcast.net)

**WDA website**  
[www.wdarc.org](http://www.wdarc.org)

Woodland Davis Aeromodelers  
42875 County Rd. 29  
Davis, CA



# WDA Cabinet

**Membership**  
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**Field Maintenance**  
Art Williams

**Points**  
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**Club Advocacy**  
Lou Fox (530) 753-9331 [louifax@yahoo.com](mailto:louifax@yahoo.com)

**SNACK SHACK**  
Mike O'Kane (530) 796-4377 [micharlokane@gmail.com](mailto:micharlokane@gmail.com)

# Flight Instruction

### Flight instructors:

⇒ John Eaton (530) 681-5316  
[johneaton@sbcglobal.net](mailto:johneaton@sbcglobal.net)

⇒ Carlos Reyes (650) 243-8894  
[carsii@hotmail.com](mailto:carsii@hotmail.com)

### Jet Turbine Instructors

⇒ OPEN

### Multi-rotor Drones

⇒ Keith Young (530) 848-3666

### Helicopter Instructor (Only):

⇒ OPEN



# Next Club Meeting: POSTPONED

Woodland Public Library "Leake" Rm., 250 1st St, Woodland, CA



WOODLAND/DAVIS AEROMODELERS  
C/O RICHARD GEERTSON  
800 COLLIER DR.  
DIXON, CA 95620