

WOODLAND/DAVIS AEROMODELERS



Apr Newsletter 2022

Prez Sez: Welcome to spring! The shades are up, the field is mowed and green, and we have some great events coming up in the next few weeks to kick off the season.

First up is the Jet event that is coming back after a brief hiatus, in a **low key, non-event, non-award, everyone have a good time** format. Hoping to have a good turnout. Rumor is that Dan Avilla is coming out to join us from Arizona. Longtime, and life time member, Dan is a big part of the history of this club, and gave much of his time and resources to the club when he was living in the area full time.

The Open House/ Swap Meet on April 23 is coming up fast. We had a great success last year with the spring clean; I expect the same again this year. We have a number of donations that have been received, picked up and collected when some of our members have been contacted. These donations are collected, cleaned up or sold as-is at our swap meet with proceeds going to the club to help cover our overhead and maintenance costs for the year. If you can help out with the club table, please let us know!

Scale Helicopters and Pylon Racing in May! Gonzalo and the scale helicopter guys come out from a winter of tinkering and building the most scale, technically demanding models you'll see. Come on out, and remember that this event has benefited Autism Speaks for the past 10 years and has made substantial contributions to this outstanding charity. Way to go Gonzalo! And now to Mike Okane for championing this

Prez Sez

Jeff Lovitt

Meetings Minutes

Mike O'Kane & Jeff Lovitt

Modeler's Corner

Rich Geertson

WDA 2022 Event Schedule

Upcoming event flyers

The March General meeting will be at the FIELD @ 10am Saturday April 9th. Check the website for any changes.

wdarc.org

event! On the pylon side, our own Robert Holik, **'Mr. APC,'** and one of the top pylon racers in the country, will invite a field of world-class competitors back to WDA for the Fred Burgdorf Memorial Pylon Race. Fred was also an incredible benefactor to the club, a driven business owner and innovator in the model hobby. Fred's efforts have continued on and the pylon race is part of that legacy. This is probably the most labor intensive event for the club to put together and Robert Holik will need several extra hands to make this work. Its a money-maker for the club, and a chance for you to save on those points. Come on out one or both days to watch some incredible 200 mph pylon racing and see how they get it done. Or don't get it done. Sometimes there's carnage!



President's Projects: This month, I'm nearing completion of a return to flight project. This is a Godfrey Ultimate 30% as used at the TOC in Las Vegas back in the 90's. This has a 70" span, weighs 20 pounds and was built by Ken Gregory from the bay area. It belonged to Fred Weaver last and when Fred passed away last year, I obtained the bare airframe which had sat for probably 20 years in a barn. Some elbow grease and Monokote repairs, some modern MKS servos and a new VVRC 70 twin gas engine have this one ready to fly. Something super cool about the look of an Ultimate bi-

plane, I couldn't pass it up. It has functional flying wires well.

That's all for now... Happy landings. Jeff



Board Members Meeting

March 7, 2022

ZOOM meeting

Board Members present: Jeff Lovitt, Forrest Barton, John Eaton, Doug Barton, Bill McGaughey, Keith Young, Mike O'Kane, Chris Dellinger and Danny Winter.

Meeting was conducted via ZOOM on March 7 at 7pm

Meeting called to order.

Discussion

- ♦ 2022 Membership is at 61.
- ♦ Tileston Home: Water in the pool is being circulated regularly with an external pump, pool pump/plumbing condition unknown. Central heating/air-conditioning in good shape, home is being occupied full time.
- ♦ Item open.
- ♦ Water drainage/seepage holes have developed around the Field and in close proximity of the runway from the heavy rain earlier this winter. Action to fill these holes is in work, Contact Art Williams, Bill McGaughey or the Board if interested to help. Item Open
- ♦ Annual operating budget. Income and annual expenses are being evaluated for upcoming discussion. Item open.
- ♦ Open House and swap meet currently scheduled for April 23-24, swap meet is Saturday the 23rdth only, Field is open to all AMA members Saturday and Sunday (23rd and 24th) Contact Mike O'Kane or other Board members if you have donation items for the club table at the swap meet. John E. will put together a flyer and reach out to Lou Fox.
- ♦ Field cutting will most likely not happen this year
- ♦ Robert Holick needs volunteers for May 21-22 event.
- ♦ Water from the cow field has been terminated. John will reach out the Orchard South of the field to see if any water may be available. No water from YCFC this year
- ♦ Saturday the 19th work party to hang the shade material (moved due to weather)
- ♦ Events: Jet Fly April 1 and 2 (Fri- Sat).
- ♦ General Members Meeting site remains uncertain due to the Covid-19 rules, based on this a General Members meeting is either going to be a ZOOM meeting or on site at the Field, weather permitting. Final meeting place will be announced. Meeting date is Monday April 11th IF the Leake Room at the Woodland Library is open or at the WDA Field April 9 at 10:00am (date is not firm)
- ♦ Next Board Meeting via ZOOM is set for 7pm Thursday April 7^h

Meeting adjourned

WDA General Meeting March 12, 2022 10 am WDA Mavis Henson Field.

Meeting called to order at 10:10.

Officers Present: Lovitt, Eaton, Dellinger, Mcghaughey, Young, D Barton, Winters, meeting minutes as published in the newsletter for February 2022 were approved by motion, second and vote. Motion and Second were not recorded by president.

New Members/Guests:

We were joined by a drone pilot and prospective member. He is a commercial drone operator and had heard about WDA because it comes up on Google search as the first club in his searches.

Officer reports:

- **President:** Jeff reported the events of the board meeting on March 10, and that we are investigating getting the use of the Leake Room at the Woodland Library again and returning to our normal schedule of meetings on the second Monday of the month. This is still to be determined, watch for club email and website for announcements.
- **Vice President:** Forrest Barton was not present due to family obligation.
- **Secretary:** Mike O'kane was not present due to family obligation. Meeting minutes to be furnished by Jeff Lovitt
- **Treasurer/Membership:** John Eaton reported 53 cards sent out and another 8 or so that were being processed. Membership is due at this time, and late fees apply. Please renew ASAP. Members will need to refer to the new code on the back of their card effective after the meeting today. The gate code will be changed at that time.

Field Report: The field is in good shape, with mowing and weed abatement under full swing. We are also still chasing down some moles along the edge of the runway. Chris Dellinger heads up that effort. Traps should be left alone, they are buried under a plywood square set flush to the adjacent dirt. Work Party set for March 19 to put up the tarps and clean up the pits. Please come out at 8 am if you can help.

Web Site: Kerry Roberson continues to take care of the website for the club, and can receive content that you send him. Want your model featured on a major model aircraft web page? send Kerry a pic.

Newsletter: Rich Geertson was present and talked a little bit more about the process of media blasting model engines to restore their finish and luster. The process is not difficult, and equipment can be purchased for modeling/hobby purposes. He reports that the glass media can get into any orifices. Rich's efforts are shared for our benefit, good and bad, and always interesting. In fact, Rich's Skyrocket was noted by Doug Barton as having been featured in Model Aviation this past month. Way to go Rich.

Events:

- WDA Afterburner Jets: April 1,2, and 3. Dan Avilla is rumored to be attending this year after many years away in Arizona. Some jet activity is expected to begin early that week. The field will have open flying Sunday April 3, and some of our guests may still be flying jets.
- WDA Heli Scale Masters is again a go and is set up for May 12-14. If you can help out Gonzalo and Mike would welcome the help. Open flying on MAY 15 SUNDAY.
- WDA Fred Burgdorf Pylon Race is also a go and is set for May 19-20. Help is needed and encouraged. A great way to earn points!!! Let Robert Holik know if you can help? Not sure where to find him, contact him at APC props!
- Float Fly: the float fly is again on at Lake Minden and is being run by Randy Sizemore. There will be camping, rv'ing, eating, and some flying, come on out.
- Memorial Day Weekend; Reedley giant scale event.
- June: WDA Dawn Patrol WWI and golden age event with Mike Radu as our event host.

Show and Tell:

Rich Geertson showed off his dawn patrol effort, a newly completed Fokker Triplane from the top flite arf that has been discontinued for several years. A Saito gas single cylinder four stroke was used for power. Rich demonstrated with its first flight after the meeting. An uneventful takeoff and a brief time of flight were broke by a sudden absence of noise, power and thrust. With the engine off, it glided to a landing in the grass that was a little abrupt and tweaked the landing gear just a little. Nice work Rich.

Jeff Lovitt showed off the Proctor Nieuport 28 that was in the newsletter a few months ago. This was its first trip to the field. The model is finished with Solartex, Randolph dope, power by laser 200 v four stroke engine turning a 18x6 prop. Jeff did an initial engine run after the meeting and we found out that having a helper and the run up stand are both good things when the engine started at full throttle. The carb barrels face into the fuselage and it looks like Jeff guessed wrong. The engine quieted down, and some adjustments made to the throttle linkage and the needles and the Nieuport appears ready for a test flight soon.

Meeting adjourned at 11:05 am. Jeff



Modeler's Corner

By now you have noticed a recurring theme in most of my columns... usually a new airplane or a build, and nearly always an engine or two.

This month I can report that I did MAIDEN my Great Planes Fokker DR1 .60 ARF. The airplane is/was powered (briefly) by a used Saito FG-14B gas four stroke. Mind you, I had run this engine on the test bench and it ran well...not spectacularly well, but perfectly flyable.

Once installed in the plane, it also ran fine, though a bit more finicky as far as its willingness to throttle up cleanly. I attributed this to its INVERTED installation in the plane and different gas tank height vs. TEST BENCH.

At the field, it started easily and did throttle up OK. I am pretty picky about the way my engines perform and I had no hesitation about maidenizing the DR1 with this Saito.

Very shortly after taking off it was evident the airplane was tail heavy. While Baron vonRichthofen famously declared of the Fokker Triplane - ***"It climbed like a monkey and turned like the devil!"*** - THIS DR1 was climbing like a monkey wearing a flaming diaper! Before I could feed in sufficient down trim, the engine quit.

Dead sticking the DR1, I was surprised at its glide speed.. much faster than I would have expected of a "draggy" THREE WINGER. Upon setting it down, I tweaked the landing gear. Rather than straighten the gear and fuss with the engine at the field, I elected to take the plane back home.

Back at the shop the engine refused to go to full power and would intermittently quit. It seemed the more I messed with it, the worse it ran. I finally decided to remove the engine from the plane and mount it on my test stand where service would be considerably easier.

Fresh fuel mix, different tank and lines, carburetor disassembly and cleaning, return to factory needle settings, different ignition... Long story short, NOTHING I did would improve the engine's performance. It idled well, but transition to full power continued to deteriorate. I finally concluded that the carburetor pump diaphragm MUST be bad.

These Saito GAS carburetors DO have a pump diaphragm, albeit somewhat different than a typical Walbro pumper carburetor, and certainly NOT as powerful. The Saito parts showing available from Horizon did not list anything other than a complete replacement carburetor.

My most baffling engine problem to date had been a Fox .29RC with its cylinder sleeve installed 180 degrees wrong... and I DID manage to resolve that one. After a FULL DAY of troubleshooting this FG-14B, I elected to box it up and ship it to Horizon for service. THIS SAITO had kicked my ass!

Well, well... turns out mine wasn't the only tail-end this Saito spanked! The Horizon technician phoned and told me the very first thing he did was replace the entire carburetor just to rule out everything having to do with the original carburetor. NO CHANGE. He then swapped the entire ignition. The engine ran better, but still would not transition well to full power, missing and stumbling. He confirmed the valves were adjusted correctly and the piston and rings were sealing well.

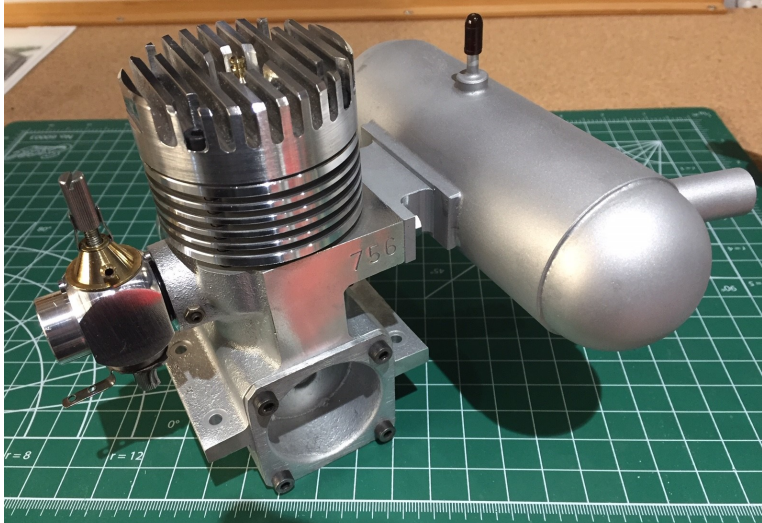
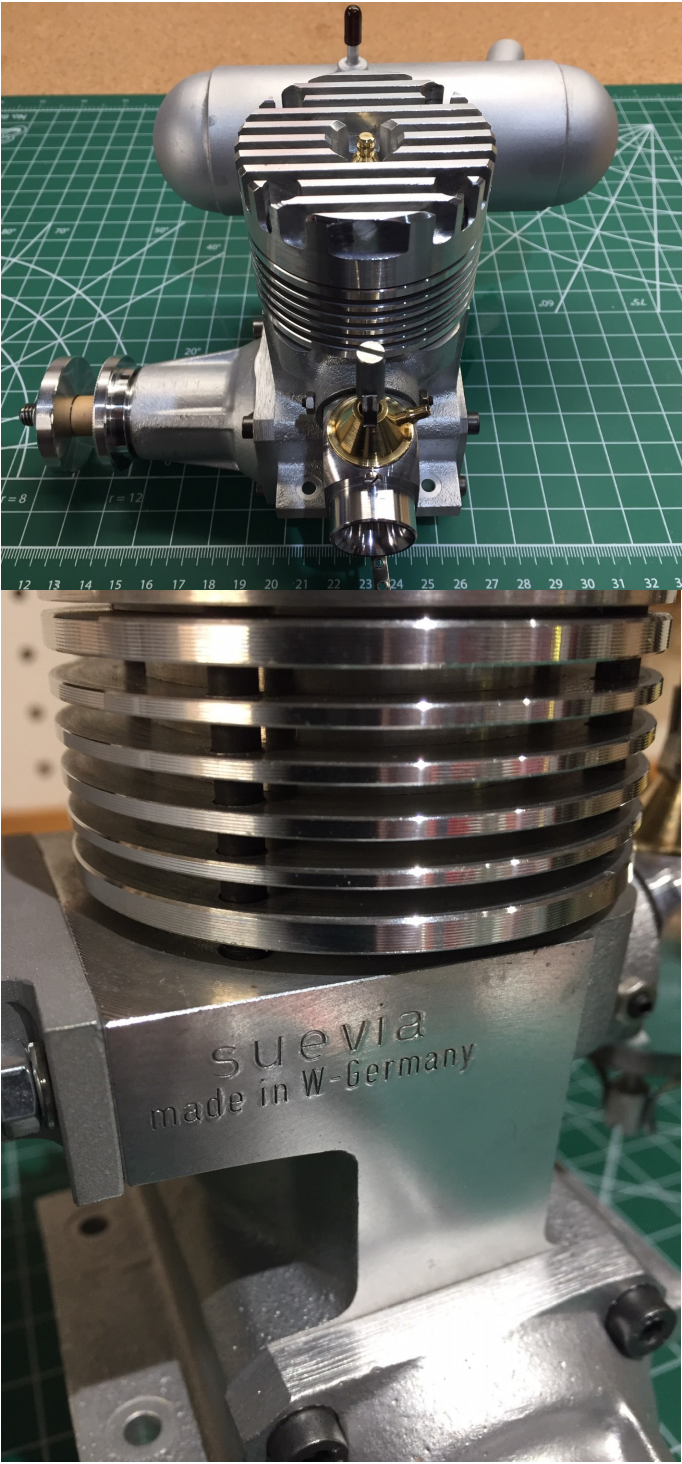
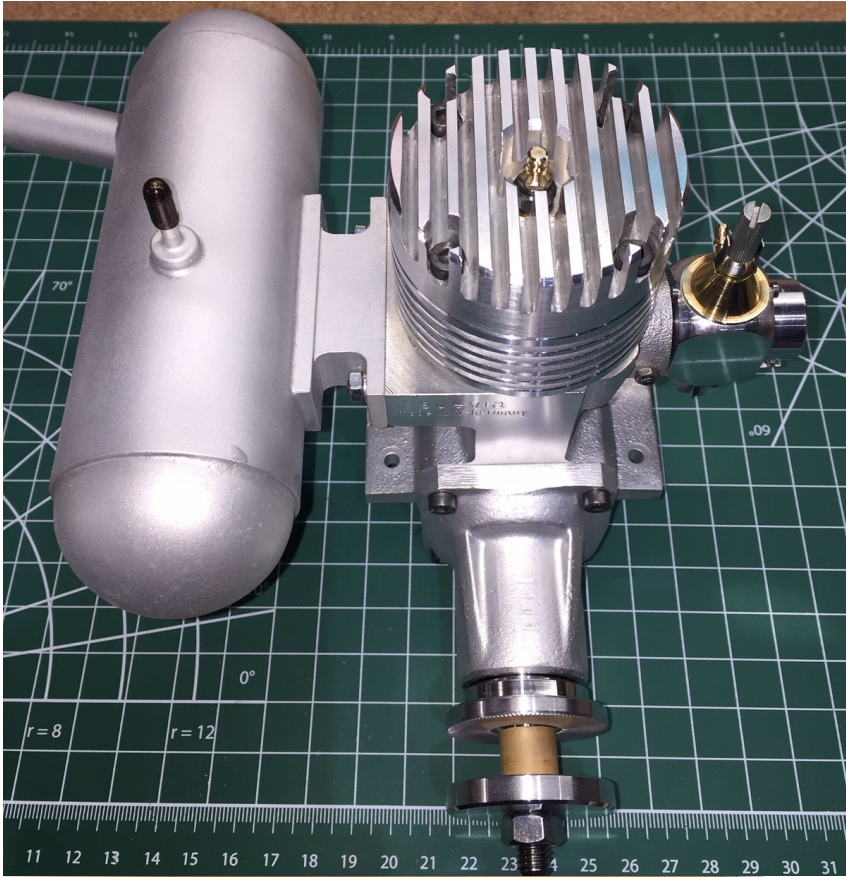
With Saito's move from the B motors to the C motors, the ignitions are now completely different. The old ignitions are no longer sold and, as the technician stated, their "known good shop ignition" used for troubleshooting 'B' motors, was tried and it did not resolve this issue.

Under the circumstances, Horizon offered to send me a BRAND NEW Saito FG-14C engine for the cost of just the carburetor parts used on the old engine. When he asked if that would be a satisfactory solution, I couldn't say "YES" fast enough!

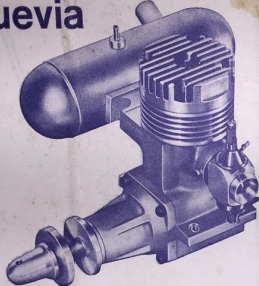
This is now my second unsolvable problem with an older Saito gasser and the second time Horizon Hobbies has gone WAY ABOVE AND BEYOND to provide OUTSTANDING customer service. I remain a Saito enthusiast and enthusiastic supporter of HORIZON HOBBIES. KUDOS!

Next, we have another 'missing link' in the early 1980's quest for reliable Giant Scale RC Power. Prior to the Quadra 35 gasser, a few manufacturers were producing large glow engines. While most provided sufficient power for realistic, controlled flight of the emerging wave of giant scale kits, it came at a price. Whether burning two ounces a minute with a .60 sized prop drive on a tuned pipe OR feeding a 1.5 cu. in. glow engine, the cost in fuel as well as the result-

ing MESS, was an unsatisfactory trade-off for many modelers. But until reliable GAS engines were widely available for modeling use, large glow engines or prop drivers were the only practical means of hauling a giant scale model skyward. The Suevia 1.5 was one such engine. Made in *West Germany*, the Suevia was capable of flying aircraft such as the Bud Nosen 8 foot Gere Sport biplane or 9 foot Aeronca Champ. The cast crankcase appears somewhat crude by what we have come to expect from 'high German standards.' However, the engine seems VERY robustly built. The recommended prop is rather **smallish** 14" x 7.5" and a maximum 3 HP resulted at 11,000 rpm. It is Schnuerle ported and was designed (like many European glow engines) to run on NO nitro fuel. Originally sold/distributed by Model Rectifier Corp (MRC), the example I acquired appears never to have been run. I did treat it to my usual TLC and have added it to my engine collection.



suevia



Aircraft model engine type 252

Efficient glow plug engine with approx. 25 ccm (1.5 cub inch) and Schnuerle scavenging porting.

This reliable engine in light metal construction with light metal piston and special piston-ring has a precision-machined and accurate power stock unit. The crankshaft is supported by roller- and ball bearings.

The engine attains a power of approx. 3 HP at 11,000 r.p.m.

Owing to the SUEVIA-silencer, which is equipped with a pressure-device, best noise damping and at the same time highest output is warranted.

The engine has a particularly quiet running-behaviour, as well during running idle at about 1,700 r.p.m., as with full open throttle.

The special carburetor causes a maximum of power output with economical consumption.

In this connection, we recommend:
Use of the usual fuel – the engine is also ready-to-use without Nitro-addition in the fuel.

Glow plug
propeller 36 x 18 cm or similar (14" x 7.5")

Accessories:
Spinner
silencer-knee
silencer manifold extension
resonance tube
engine mount
propeller 36 x 18 cm (14" x 7.5")
starter with gear
tank building set for 1,000 ml

Technical data:
Capacity 25 ccm (1.5 cub inches)
Bore 34 mm (1.3 cub inches)
Stroke 27 mm (1.1 cub inches)
Shaft thread M8
Weight approx. 1100 g
Power approx. 3 HP at 11,000 r.p.m.
direction of rotation clock- or counterclockwise

"Made in W. Germany"

Distributed by:
MODEL RECTIFIER CORPORATION
2506 Woodbridge Avenue
Edison, N. J. 08817, U.S.A.

Woodland Davis Aeromodelers Events for 2022

Apr 1-3

WDA Jet Fly

Apr 23-24

WDA Open House

Apr 29-1 May

Float Fly

May 12-14

Helicopter Scale Masters

May 21-22

Fred Burgdorf Memorial

Pylon Race

June 11

WWI R/C Dawn Patrol and

Golden Age Fly-In

Aug 27-28

Goyet Control Line Stunt

Classic

Sept 2-4

Wings of Victory

Sept 24-25

Meet n' meet Control Line

Competition

Sept 24-25

Pattern Contest

Sept 30-2 Oct

Float Fly

******* 2022 Non WDA Events *******

Mar 12

Livermore Flying Electronics Swap Meet

Woodland-Davis **AFTER BURNER**

Woodland Davis Aeromodelers April 1,2,3 2022

Radio Controlled jet aircraft at WDA featuring electric ducted fan and turbine powered jets. A low-key, gathering of jet modelers and aircraft. The theme is to have fun and show off some great models and flying. Camping is available all weekend with no hookups. WDA has a 600'x55' mat runway, forgiving over runs and generous overfly areas. All AMA operation and safety regulations are in effect. Landing Fee \$30.00.

Contact: Jeff Lovitt 530-304-4780 jlovitt@sbcglobal.net



Map to Woodland Davis Aeromodelers Field

42875 County Road 29 Davis CA



TRAVIS AIR FORCE BASE WINGS OVER SOLANO

STEM

Science • Technology • Engineering • Math

OPEN HOUSE AND SCIENCE FAIR

Sponsored by Phoenix Spark

Travis Air Force Base Wings Over Solano Airshow 2022

Saturday May 14 - Sunday May 15, 2022

10:00am - 4:00pm

Hangar 14

503 Hangar Ave, Travis AFB, CA 94535

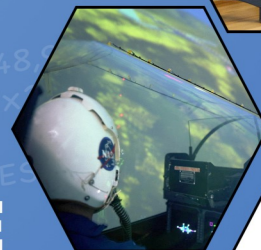


EVERYONE IS WELCOME

- Fly in a Boeing KC-46 simulator
- Experience NASA's altitude pressure chamber
- Innovate with Phoenix Spark's 3D printing and Virtual Reality systems

All while enjoying a front-row view of the Airshow's incredible flyovers and aerobatic performances!

For more information contact Aaron Oats, Stem Coordinator, at ironoats@gmail.com



2nd Annual 24th/7th
West Coast Festival at Reedley
Giant Scale Fly-In
The Legacy of Castle Continues
Reedley Municipal Airport
Hosted by: Clovis Area Modelers RC Club
AMA CLUB 5405
May 26-29, 2022
Reedley Municipal Airport, Fresno County off of
Frankwood Ave, east of Hwy 99

Landing Fee - \$40.00
RV Camping \$40.00 for Front Row (Limited) -
\$60.00
No Hook ups
Pilot Auto Parking - \$5.00 for the entire event
No charge for Airplane Trailers, Tow Vehicles
Vendors, Food

“IMAA” Legal Turbines Welcome
Helicopters Welcome
Open Flying after 5:00pm daily

(Event Director) Erik LaCour - eriklacour@sbcglobal.net (559) 307-4253

Rick Maida, (CD & Reg.) – mrcorsair@usa.net (408) 460-1526

2nd Annual 24th/7th
West Coast Festival at Reedley
Giant Scale Fly-In
The Legacy of Castle Continues
Reedley Municipal Airport
May 26-29, 2022
Hosted by: Clovis Area Modelers RC Club
PRE-REGISTRATION FORM

We are planning an outstanding “*Giant Scale Fly-In*” and look forward to sharing a great 4 days of flying with you. So don't delay, send this form today, with a check or money order made out to: **Clovis Area Modelers RC Club – AMA Club #5405**

Mail to: **Rick Maida, 2171 Teakwood Ct., Hollister, CA 95023**

For more information (email preferred) – mrcorsair@usa.net, (408) 460-1526

Erik LaCour - eriklacour@sbcglobal.net (559) 307-4253

Name _____ AMA # _____

Address _____ FAA # _____

City _____ State _____ Zip _____

Phone (____) _____ Cell Phone (____) _____ E-Mail _____

Landing Fee (unlimited number of airplanes) **\$40.00** \$ _____

72 MHz R.C. Channels you will be using _____ 2.4 GHz _____

Recreational Vehicle parking for the entire event \$40.00 \$ _____

(No charge for tow vehicles or dinghy's or cargo/airplane trailers)

***Preferred (Front Row) \$20.00 extra**
(if space is available and with Event Director approval) \$ _____

****Groups – one check or money order with # of people to grant spot – by May 1st (non-refundable)**

Automobile parking for entire event \$5.00 \$ _____

***To fly during this event, you must have a valid AMA/FAA (UAS) Registration Number & Labeled Aircraft**



Join us for the
10th Annual



Central Coast Giant Scale Fly-In

July 27th - 31st 2022

Hosted by the Tri-Valley RC Modelers of Santa Maria, Ca.
AMA Gold Leader Club #170

The facts:

- ♦ Landing Fee: Only \$30. Includes 5 days of flying, lunch on Saturday, & raffle ticket;
- ♦ Dry camping for \$10/night, first come, first served;
- ♦ Only Giant Scale planes until 5pm; (Mono 80", Biplanes 60");
- ♦ Proof of current AMA required;
- ♦ Epic Pilot's Raffle on Saturday.

The fun stuff:

- ♦ World Famous Santa Maria Style BBQ dinner on Saturday night;
- ♦ Beautiful Santa Maria weather;
- ♦ Hotels available nearby;
- ♦ 500' asphalt runway and expanded shade cover,
- ♦ Open flying after 5pm;
- ♦ Camping's open July 26 - Aug. 1st

Please call **Chuck Barnes** at (805)886-7921 or email him
at **CDBarnes10@comcast.net** to preregister for this event.

2021 Pilots



www.trivalleyrcmodelers.com



10th Annual
Central Coast



Giant Scale Fly-In

July 27th - July 31st 2022

Hosted by the Tri-Valley RC Modelers of Santa Maria

PRE-REGISTRATION FORM

Your pre-registration will reserve your spot should high demand cause us to limit the number of pilots.

Name AMA #

Address City St

Cell Phone Email

Dry Camping ☐ Yes ☐ No

This form is a fillable PDF. Click on the blank and you can enter your info. When complete save it on your computer and email it to Chuck Barnes at Cdbarnes10@comcast.net.

If you'd prefer you may mail the completed form to:
3834 Mono Place, Santa Maria CA 93455

If you have any additional questions about the event email Chuck.

We look forward to seeing you this Summer!

WDA Officers and Board

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(530) 304-4780 jlovitt@sbcglobal.net

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Art Williams

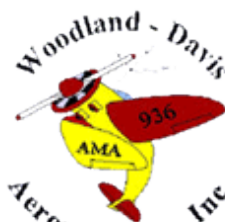
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Flight Instruction

Flight instructors:

⇒ John Eaton (530) 681-5316
johneaton@sbcglobal.net

⇒ Carlos Reyes (650) 243-8894
carsi@hotmail.com

Jet Turbine Instructors

⇒ OPEN

Multi-rotor Drones

⇒ Keith Young (530) 848-3666

Helicopter Instructor (Only):

⇒ OPEN



Next Club Meeting: Saturday 10am April 9th at the field.



WOODLAND/DAVIS AEROMODELERS
C/O RICHARD GEERTSON
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DIXON, CA 95620