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Flight Feathers

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MEETINGS

FIRST SATURDAY OF THE MONTH AT 11AM

NO MEETINGS JULY/AUGUST

NEXT MEETING: JUNE 5th



352-485-5111

2021 WISE OWLS

RON SANDERS PRESIDENT & TREASURER

GEORGE FAVOR VICE PRESIDENT

GILBERT PRIEUS SECRETARY

ART SCHEURER SAFETY COORDINATOR &FIELD MARSHALL

BRET MARTIN FERNANDO MESA AMA INTRO PILOT INSTRUCTORS **Picture from the May meeting**



<u>Bret Martin returns</u>

Bret Martin is done with his cancer treatments. We're delighted to see him back at OWLS and flying extremely well. We asked Bret to demo his new model and he graciously agreed.



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Rare "DEEZIL" RC Engine

George Favor is sharing pictures of this rare engine with us. The brand is Deezil and it's a diesel RC engine. The engine is circa 1940's and the retail price at that time was under \$4.





Battery Eliminator Circuit (BEC) from Carl Wagner

Instead of using a 4.8V NiMH battery, you can use a voltage regulator to reduce a 2s lipo to 5V. Here a LM340T5 voltage regulator is powering a micro receiver with a 2s lipo. This voltage regulator sells for less than \$2. Thanks to Carl Wagner for the advice.



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Scratch Built RJ5 Glider

David Alchin is scratch building a RJ5 glider. A designer drew the plans for him. Here's a sneak peak of the cockpit area. We will post more images and information throughout the year.



Free Flight Models

Mike Elmore stopped by the meeting this month. He's been working on his free flight models. The ones to the right of the boat are rubber band powered and the two on the left are diesel powered.



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War of the Daisies – News from the Front!

From Charles Montford: The Evil Zero Turn Engine Coils that were causing unhappiness in the land of the One Wing Low Squadron have been defeated in combat with George, the Squadron White Knight. The defeated and humiliated coils are on display on the Club bulletin board for all to see.



<u> The Twin Radian – David Alchin</u>

The evolution of the Twin Radian was a pure accident which began with the news that Horizon Hobby were discontinuing the production of the Night Radian. My affection for the Radian began with the Multiplex Easy Glider. I believe the Radian is a rip off of the Easy Glider and I have had a Radian in my stable since its inception.

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Upon checking my Radian spare parts I found I could almost make three complete Radians. I had the electronics, the motors, three fuselages, two sets of good wings and a rough pair of wings. I was short two stabilizers, but I managed to locate those on RC Groups. Laying my parts on the garage floor, by chance, two fuselages were side by side. I placed a wing in the center and mused over the possibility of a twin.

The Build -- Assembly of a twin didn't take a degree in aeronautical engineering. I removed the tip section of both wings where the wing joiner ended, and epoxied both sections together giving me a 24" center panel. The use of both wing panel root sections gave me the wing joiner plastic retainers, however I thought the wing dowel supplied with the Radian would not be strong enough and I needed to address that issue. Using a standard wing Radian wing joiner in the outer panel and through the fuselage, I left 5-1/4" as a stub joiner. As the wing joiners are tubes, the center section tube was cut to 13-1/2". I added 24" of piano wire, the ends of which joined the stub wing joiner tubes thus spreading the load. Binding both models' radios was just the same as one.

Flying -- I asked Art Scheurer if he would help me in the assembly of the Twin Radian and subsequent launch. I really was confident this model was going to fly. With Art, holding the model high above his head with both hands, *I asked "Ok!" Ya*. I fired up both motors, Art gave a gentle launch and "*Up Up and Away*" as the song goes. There were no problems and a pretty good rate of climb. Landing was pretty predictable and smooth. I only had two flights since my battery in one Radian had low capacity and ran out of juice quickly.

Overall assessment – The project was satisfying but not worth the purchase of three models just to see if it would work. Oh! I still have two complete models. but I do need two wing rods if any one has spares.



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