

**Club Meetings**: We've tried different things these past two years to offer a meeting time and place that is interesting. We've tried meeting at the club on Saturday, meeting at the field on Monday evening in our normal time, and we've tried Zoom. With attendance flagging, we are going to try going back to Round Table in Woodland on Monday evenings. So, how does an air conditioning, out of the sun, and the chance to have some pizza and the beverage of your choice while we chat about the club and our model interests sound? I think it sounds pretty good, so we are going to give that a try. Come on out, bring a show and tell. We'll have their large back room to ourselves. Let's have some constructive discussion about the club, what we can do to maintain and improve it and see what you've been working on. Round Table wants a modest amount guaranteed for the use of the room, so Forrest and I thought that we would sponsor that for this month and have some pizzas during the meeting and see how that goes.

**Field Maintenance**: You are seeing our site being maintained by an ever-shrinking group of the most dedicated volunteers you will meet. They do this because others came before and gave their time to ensure that we have a great facility to fly and share modeling with the community. I know that everyone has varying amounts of time to give to the club at different points in our lives. Sometimes we have more time, and others the challenges of parenthood and kids activities take a hold. I get that. However, what we have happening is going to become untenable if we don't have more willingness to help with physical tasks, or we face having to subcontract out tasks which will come at a price. Please recognize, that as we look at the rising costs of doing business as a club with increased costs for materials, PG&E, and fuel as

Prez Sez

General Meeting Minutes

**Board Meeting Minutes** 

Modeler's Corner

Jeff Lovitt

Mike O'Kane

Mike O'Kane

Ed Morgan and

Rich Geertson

**Upcoming Events and CLASSIFIEDS** 

The WDA General meeting will be Monday August 8th @ 7pm at the Round Table Pizza Party room, 421 Pioneer Ave, Woodland. Check the website for any changes.

wdarc.org

examples, we also face the rising cost of labor. So, as we analyze the club budget, spending patterns and the need to budget dollars for equipment investments (i.e. tractor/mower replacement etc), we have to look at how our dues structures and points systems cover these costs. The more help we get out there, the more points you are earning by helping make events happen (events make money, so that is good!), maintaining the field (we can't use a field that is not in good shape), and how we look to improve the field and provide something that attracts people to come from an hour or more away are very important to our future. It's also important that we provide a resource to our community and the University. Young and old should have the opportunity to come out, close to home and be able to enjoy model aviation and I've seen a number of university-related research projects recently and over the years that are making steps toward developing the aviation systems of the future, in model scale. It doesn't happen without physical effort and know-how. If we have to begin farming out services, we will incur a cost that will increase dues. I know many of you out there have thought about this; a number of you have chatted with me about it. Come to a meeting, let the club know how you feel about this. If you object or think there's a better way, be prepared to offer the better way and get involved with it.

**Tileston House**: As you all know, I have been asking for folks to come out and commit to helping with some work that will help us get the Tileston house sold and bring this benefit to the club's bank account. For those that don't know, Eut Tileston was a LONG-TIME member of the club, a VERY prolific modeler of free flight, and RC assist models and when he passed away, his will dictated that his residence be put into trust to benefit the Woodland Davis Aeromodelers. The home is in Carmichael and is not exactly in tip-top shape, but its worth a lot, and we've been trying to put sweat equity in to get it ready to sell. A few members have put in a lot of time there, and we have had a couple of work parties that have done a lot to make the back yard presentable. To those of you who have helped, my sincerest thanks. It's been a lot of work.

So, if we are going to have the property sold, what will become of the proceeds? That's where the club needs to come together to assess priorities and to decide on how to improve the field, and to decide if we are in a position to purchase the property. What do you want to see? The meeting would be a great place to share those thoughts!

#### So here's a few ideas...

The goal for the past 10 plus years has been to purchase a property since our lease was not renewed at the old site. After investing countless hours and dollars to build the city what amounted to a park, we were shown the door. Since then, the board has identified a goal through fundraising to set aside the cash to be able to purchase property. Ideally it would be the property that we are on, and that could be, one day. We are pushing to resolve the sale of the home so that we can come to the owners with our newly full bank account and see what we can do.

The last several years have seen the field get dryer and dryer, and despite efforts to irrigate we look pretty darn dry out there right now. We've taken our cues from the beavers who keep building dams in the bypass that runs along the north edge of our access road. By inserting a temporary dam in the canal, we have been able to retain a larger body of water and we have been able to start running the pump that brings water into our side from this body of water. We've only just been able to get back to this, but we hope to be able to get water onto the CL area which is largely unusable for Control Line models right now due to ruts. We are also trying to get water around the runway, primarily to close up ruts that are causing potential for injury (turned ankles and potential falls), not to mention damage to landing gear. There's been talk over the years of having a well, and that would be great. That said, there's a gamble in getting a well permit, having the site for a long enough time period to offset the cost of the well, and determining how much cost will be incurred once you start drilling to figure out how deep we need to go. I've been looking for Astroturf or artificial field turf that gets removed from sports fields after its outlived its normal 'sporting' life. Many clubs have adapted it for use for models. My thought would be to possibly do two things. First and most obvious is create a small grass runway on the far side of the existing mat runway for models that benefit from grass surfaces. Second, if we could put a border of artificial turf around the perimeter of the mat runway, and also into areas we currently mow in front of and behind the pilot stations we could improve overall appearance, prevent gaps/ruts that are causing injury and model damage and perhaps most importantly, save valuable field resources time in maintaining the field.

Well, last month I couldn't think of much to say. This time, I'm probably leaving Rich with how to figure out where to put all of this. (no problem Jeff!:) It's all food for thought. This is your club, so you surely have sense of what could be better or improved. Get involved, speak up. I want to hear from you! See you at the field...

Jeff

## General Members Meeting July 11, 2022 Meeting location WDARC Flying Field

Board Members present: Jeff Lovitt, Forrest Barton, John Eaton, Mike O'Kane, Chris Dellinger, Dan Winters.

Meeting called to order by Jeff Lovitt. 2 general members present.

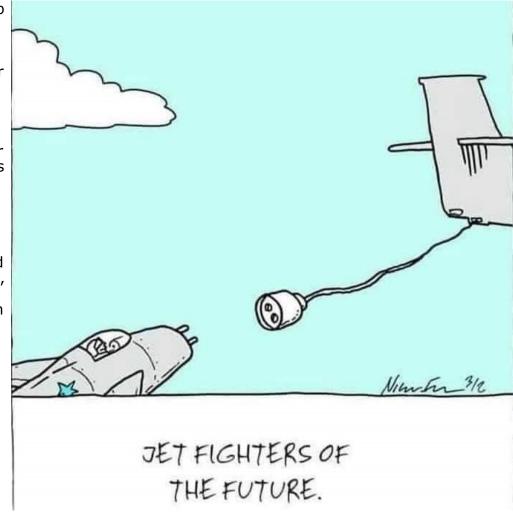
- Comments were made about the current events schedule, the calendar of events was reviewed
- ♦ Membership is at 92.
- ♦ Annual taxes and filing fee/ prep cost has been paid @ \$550.00
- Art Williams unable to continue as Field Maintenance coordinator due to health reasons.
- Pumping water from the slough has been a chore, pump is not currently providing a consistent water flow for irrigating the control line/runway grass.
- ♦ Tileston House workday is planned for July 23<sup>rd</sup> with a follow-up date of August 20<sup>th</sup>. Cleanup on the 23<sup>rd</sup> went well with about ½ of the back yard cleared out.
- Artificial turf was discussed as a possible option for a grass runway running the full length of the matted runway and 30' wide. Cost study is underway to understand the expense of a project this size.
- ♦ Thanks to Bill MaGaughey for organizing and coordinating the mowing of the WDA Field, a rental tractor and with rotary mower was used. The place looks great with some minor cutting still re-

maining. The project was funded by donations from Club members. Thanks to all who donated and helped mow, the Star Thistle was wicked and tough in the South East corner of the field, elapsed time to mow was about 9 hrs!

- A motion was made and a 2<sup>nd</sup> was provided by Danny Winter to accept the tractor donations from Bruce Watts.
- Motion carried
- Next General meeting date is August 8, 2022 at the Round Table Pizza Party room located at 421 Pioneer Ave, Woodland, CA 95776. Meeting time is 7pm. This restaurant has been a previous meeting place for the Club.

The next Board Meeting will be via ZOOM on August the 4<sup>th</sup> at 7pm.

Meeting adjourned.



## July 7, 2022 ZOOM meeting

Board Members present: Jeff Lovitt, John Eaton, Keith Young, Mike O'Kane, Chris Dellinger and Danny Winter

Meeting was conducted via ZOOM on July 7 at 7pm

Meeting called to order at 7:11pm

#### **Discussion**

2022 Membership is at 92

John reports annual tax filing is complete, fee was \$500.00.

Income for June was \$695.72, net income for the month after expenses is (\$191.60).

A water pipe to tap some of the water in the slough will be installed and a small tarp dam constructed at the pickup point. As of 7-21 the water draw has been intermittent, work on the pump continues.

Tileston Home Pool will need considerable repairs to make it a usable pool. Central heating/air-conditioning in good shape, home is being occupied full time. Consideration given to selling the house, due to the high cost of renovating to make it rentable. Work party is being organized for 7-23-22 at the house to continue clean-up, members are urged to pitch in. Follow-up work day is scheduled for Saturday August, 20<sup>th</sup>. Item open.

8-8-22 Annual operating budget. Income and annual expenses are being evaluated for upcoming discussion. A Motion for developing new annual membership dues equitable to all members based on the annual operating cost of the field. 2<sup>nd</sup> by John. Item discussed and tabled until the next meeting. Open item.

7-7-22 After discussion a motion was made and second to maintain the current dues schedule for 2023, Motion to maintain current dues structure passed 4 to three. Item closed

Bruce Watts donating small farm type tractor to the club.

Art Williams has stepped down from the Field coordinator position due to his health, anyone interested in taking on this position please contact any Board member.

As of Tuesday 7-19 the Field has been mowed, this effort was coordinated and organized by Bill McGaughey. Cost was covered by member donations.

The Geomat in the Pit area is degrading from gasoline spills, mainly from the tank venting when topped off. Please develop a method similar to the turbine aircraft and use an overfill recovery bottle, minimally catch the fuel before it hits the mat with a pan.

Next General Meeting will be on Monday, August 8<sup>th</sup> at 7pm. Meeting is at the Round Table Pizza party room.

The next Board meeting is scheduled via ZOOM on August the 4<sup>th</sup> 7pm.

Meeting adjourned @ 8:32p



# Modelers Corner

## Fly Baby Park Flier Project — Part 1 by Ed Morgan

I recently started a new modeling project. I was looking for an electric-powered sport

model big enough to fly well outdoors at slower speeds, but small enough to be flown in a soccer field or local park. I think (hope) I found it in this Fly Baby model designed by Ted Davey. This model was originally published in R/C Modeler magazine in October 1988 (RCM plan #1028). A kit of this model was later produced by Davey Systems.





I bought my kit online at eBay.com.

This model can be built with either 3-channel control (Rudder, Elevator, Throttle) or 4channels (with Ailerons). I opted to use 3channels (as originally designed) to speed construction and keep weight to a minimum. I did beef-up the wing structure by replacing the balsa wood mainspars and leading-edge with basswood. Spruce wood would also be a suitable substitute.

The 1/8" sheet balsa wingtips seemed a little too fragile to me, so I added diagonal 1/8"x1/4" balsa tip braces. (Caution: too much "beefing-up" the structure will increase weight and ruin the model's flight performance. Keep structural additions to a minimum.)





The fuselage is started by building 3/16" square framework sides directly over the plans. After the glue dries, these side frameworks are lifted and glued to pre-shaped 1/16" sheet balsa sides.

Next, the fuselage sides are joined together with light-plywood and balsa bulkheads and 3/16" square balsa crosspieces.

(TO BE CONTINUED . . . )

## Converting Robart Pneumatic retracts to ELECTRIC

My Grumman Skyrocket uses Robart #151 retracts. With the exception of the maiden flight, in which the air supply tank spun around inside the fuselage (due to vibration) kinking and cutting off the air supply line, the gear have worked FLAWLESSLY (knock on wood!)

That said, my logical side advises me that when it comes to air-operated retracts, 'it isn't a matter of IF, but WHEN they are going to fail!' Don't get me wrong, as my own limited experiences with air retracts have been predominately positive... but how many of us have watched beautiful models belliedin, or landed with only one gear down and locked, resulting in mild to major damage? Air retracts are perfectly reliable, UNTIL THEY AREN'T. To me, that is an unacceptable level of risk, considering the time and money most of us have invested in our models. Consider too, most aircraft with retractable gear are SCALE models...and since full scale air-

craft gear retract rather slowly and often at different



rates, replicating the scale operation with pneumatic retracts requires restrictors or complex valving, which can inhibit reliable operation and add weight and complexity. Think of all the things that must be 100% air-tight to assure reliable operation: Gear cylinders, door cylinders, T fittings, Retract control valve, Air filler (inlet), air pressure indicator, and all hoses. To combat these potential sources of leaks, we often add some sort of FAIL-SAFE device, which ALSO requires an air connection! ADD them up and you will find one heck of a lot of potential air leaks!! Of course, plenty of talented (and lucky) modelers have had GREAT SUCCESS with Air Retracts, for YEARS! But like anything else, might there be a better way?

There is a reason all those nifty scale ARFs now come with ELECTRIC retracts.

I am aware of the problems inherent in electric retracts, at least the Robart design, which uses current draw for End Points. IF the retracts encounter excess resistance, they may stop driving, which COULD result in the gear failing to retract or extend.

Well, for now, continuing to talk about the "advantages" of large electric retracts is sheer SPECULATION on my part... so let's see what is required to motivate the with electrons instead of air molecules!







(left) Robart's "Generation 2" control unit. The conversion kit is relatively simple and complete, even including a bottle of Medium Loctite.

I began by disassembling the individual gear. This was an extra step not described in the instructions, which merely show how to replace the Air Cylinder with the electric "jack screw" drive mechanism. However, I wanted to clean the gear inside and out and assure all pivot points were properly lubricated. I also wanted to paint the individual gear sections.

The conversion is quite simple, with the most challenging part installing some of the 'E' clips back onto their respective pivot pins. The instructions are clear about how to configure the DIP switches and connect the

power. The retract drive unit (and retracts) can be powered by the Receiver battery OR powered by a separate battery; a jumper dictates the configuration. The SPEED of the retracts is a function of the voltage of the battery used; they will operate on 4.8v to 9v.

A 2S LiFE (6.6v) pack provided scale-like retract speeds. A really cool feature is the ability to set up asynchronous retraction, such that one gear starts moving before the other...this adds to the scale illusion :-)

The completed gear are shown at right. You can see the air cylinders have been replaced by the electric drive units. The controller is designed to operate 3 gear and can be set for low current applications (smaller gear) and high current applications (giant scale gear). On the bench, they work AWESOME! The proof will be how they work in the real world of FLIGHT. These are destined for my NEXT Skyrocket build.... But I may just have to install them in my current F5F and see IF they actually work as designed?!

Rich Geertson



## Woodland Davis Aeromodelers Events for 2022

Aug 6th

WWI R/C Dawn Patrol and Golden Age Fly-In

• Aug 27-28

**Goyet Control Line Stunt Classic** 

• Sept 2-4

• Sept 24-25

Sept 24-25

Sept 30-2 Oct

Wings of Victory

Meet n' meat Control Line Competition

Pattern Contest

**Float Fly** 

Up FOR SALE is my Freewing F-14 Tomcat. I got the plane and it had 2 flights on it from a gentleman in the Phoenix area that felt the plane wasn't what he was looking for. I have put another 33 flights on the airplane and love flying it. The only reason I am selling is I bought another one that has some aftermarket upgrades. I don't need to have two Tomcats in the stable. So I'm selling the one I have been flying over the last couple years that many of you have seen at the field. I have made some modifications to the plane from the original Freewing model.





- Added a working servo operated tail hook.
- JP aftermarket wheels and electric brakes. I have never hooked them up though, lands slow enough doesn't really need them on our runway. Just a higher quality wheel for the aircraft.
- Modified the fuse to accommodate larger batteries and keep the CG in the correct position, per Chris Wolfe's build thread from RCGeek.
- Has the optional wing glove missile set from Freewing.
- Has upgraded Hitec servos on the Elevons (2) and

Flaps (2).

Also did some reinforcing around the center section carry through. This is a typical mod on the Freewing Tomcats. The plane is in good shape with no accidents. That being said, it is a foam plane and has a little bit of moving rash going to and from the field. I would say it is a 7 out of 10. I am looking for \$450 and it is ready to fly with your RX and batteries. If interested email me at CBarton328@aol.com.
Thanks, Forrest



## 0 0 NEW DATE PILOTS AND NE NEED YOU TO JOIN THE FUN! MECHANICS

WWI AND GOLDEN AGE ON SATURDAY. OPEN FLYING ON FRIDAY AND SUNDAY. FIELD LUNCH ON SATURDAY FOR \$6. EVENT FEE INCLUDES LUNCH TICKET



NEEDED!

BRING YOUR ALMOST FINISHED WWI BIRD AND TALK SHOP AND WIN AN AWARD

ALL WWI AND GOLDEN AGE STATIC AND PARTIALLY BUILT WILL BE JUDGED AT NOON TIME ON RUNWAY



BEST FLYING AXIS WWI BEST FLYING ALLIES WWI OUTSTANDING FLIGHT WWI OUTSTANDING CRAFTSMAN WWI BEST STATIC AXIS WWI BEST STATIC ALLIES WWI BEST ARF AXIS WWI BEST ARF ALLIES WWI

VK 1/6 SCALE FOKKER DR-1 VK 1/6 SCALE SOPWITH CAMEL 1/3RD SCALE SPAD XIII AND MORE . . .

QUESTIONS ASK MICHAEL AT RADU@MAC.COM OR (408) 504-6826





## 13 August 2022

FREE to Sellers FREE to Buyers

<u>WHERE?</u> - Gold Country Flyers flying field, Ione, CA. The field is on Michigan Bar Road about half way between Highway 16 (Jackson Highway) and the city of Ione.

MAP? - On our website - www.Gold Country Flyers.com

WHAT TIME? - Starts at 7:00AM until ???

**FOOD?** - Yes, there will be FREE food (donations accepted).

**QUESTIONS?** - Call Tom at 209-296-0622

We will allow open flying to any SWAP MEET attendee as soon as it seems safe to do so. Any person wishing to fly MUST BE AN AMA MEMBER AND BE FAA Registered (you MUST have your AMA card WITH YOU). See the web site for flying field rules.



#### Why Attend Thunder in the Valley Jet Rally?

**Wounded Warriors** 

#### Over 35 Good Reasons:

- This will be the premier RC Jet event in NorCal- don't be sorry you missed it. Last year was a sell-out!! It will be an EVENT!
- We expect 60 pilots and over 125 planes from the Central Valley, Bay Area, Nevada and Socal
- We have a 575' long runway with 100' plus groomed runouts
- We have over 100 acres of emergency landing area and over 125 acres of fly over space.
- There are Ten high quality acrylic awards up for grabs and plenty of crowd participation for the People's Choice award.
- · On Saturday at noon spectators will vote for the People's Choice Award so bring your "A Game"
- After the People's Choice Voting we will have a smokin' 3D show, heli exhibition and extreme jets (for spectators' benefit)
- We welcome RC Jets of all kinds- from large turbine powered monsters to small foam EDF's
- · We will have a professional announcer and killer sound system that covers the entire pits and spectator's areas
- We are promoting through social media, email and local TV stations so there will be TONS of spectators
- We offer 10'x 24' (first row) and 10' x 20' (second row) Shade tent rentals. Please see the AMOS web site for details (AMOSRC.com)
- · We have plenty of EZ Up space available close to the pits, "first come-first serve." Please see the AMOS web site for details.
- · Easy RV access (in and out) and lots of space for free overnight parking-starting Tuesday, September 6th.
- Three Professional Photographers will be on-site for "static and action flybys". We will hand out FREE 8"x10" glossies of our best shots.
- · We will offer a "Concierge Service" to fetch whatever you need off site during the event. Just place a request at the Registration Desk.
- Smarter Images will be onsite with high quality RC Apparel (shirts, hats, goodies) and can customize your garments during the event. We are preparing for warm weather with over 5,000 sq. ft. of shade (front row), 12 large Evap Coolers- one in each section.
- · We will offer additional shade in second and third rows. Each row is and additional 1,600 sq ft.
- · Electrical outlets every 20' in the pits. No need for generators in the pits.
- We will have an Air-conditioned Awards/Dining tent open 7/24.
- · We will offer smoke oil at \$12 per gallon.
- We will have high quality "on-site" professionally prepared lunch (Fri, Sat) and dinner (Thursday and Friday).
- We will have a Catered Banquet Dinner along with the Awards presentation and a slide show on Saturday night.
- We have a renovated food concession stand (The Cantina) where you will food that is a "cut above."
- We will provide Free Coffee and Doughnuts Thursday, Friday and Saturday morning.
- We will have a separate Ice Cream Bar and Beverage Stand (with tons of caffeine and sugar).
- On Thursday night at 5:30 we will offer FREE great street tacos and Mexican beer for all attendees.
- We offer free beer and wine at the end of your flying day. You will find this in the dining tent.
- The entire pit area is lit up at night with "market lights' so it's a great place to chill and watch the night fliers.
- · We offer Ice Cold bottled water for the pilots 24/7 in the pits.
- · We will provide one "yard sign" for each sponsor with their name and logo prominently displayed on the "Row of Sponsors."
- · We will have hand washing stations, hand sanitizer and all the stuff to stay safe.
- If you would like to have a Turbine Waiver Pilot and CD sign you off, this may be done on Thu/Fri. Please have all AMA papers.
- · There are several high quality and inexpensive hotels within 10 miles of the field.
- · This event is an opportunity to give back and help support the community.
- Throughout the event we will ask for donations. Please be generous. Our target is \$30,000. We did over \$20,000 last year.
- · Spectators: FREE
- · Parking: FREE
- RV Overnight Parking: FREE

#### Registration: Visit AMOS.RC.com to Register Online or to print the Registration Form

Visit the Facebook Event page at AMOSRC Visit our web site at WWW.AMOSRC.COM

QUESTIONS? Contact **Dave Long** 916-801-7764 **Associated Modelers of Sacramento** Radio Control Flight Club

PLEASE REGISTER EARLY: THIS WILL BE A SELL-OUT EVENT

Registration Fees: We accept PayPal and all Major Credit Cards

### PayPal VISA

#### Pre-Register

- \$60 Entry Fee, Thurs Taco Dinner\*, Tshirt
- \$80 for Entry/Taco\*, Tshirt, 2 Lunches
- \$90 for Entry/Taco\*, Tshirt, 2 Lunches, Friday Dinner
- \$30 for Saturday Banquet Dinner

#### **Register Day of Event**

- \$100 Entry Fee, Thurs Taco Dinner\*
- \$120 for Entry/Taco\*, Tshirt, 2 Lunches
- · \$130 for Entry/Taco\*, Tshirt, 2 Lunches, and Friday Dinner
- · \$30 for Saturday Banquet Dinner

#### SHADE

SEPT

8-10

*2022* 

- \$200 Front Row Shade 10'x24' Max 2 sections per person Includes Evap Cooler and Electricity
- \$150 Second Row Shade 10'x20' No limit per person Includes Electricity



AMOS Flying Field is located at 4015 E Catlett Rd Lincoln, CA at the corner of E. Catlett Rd & Fiddyment Road, two miles West of Thunder Valley Casino

### 

President

Jeff Lovitt

(530) 304-4780) jlovitt@sbcglobal.net

Vice President (530) 662-6324

Forrest Barton cbarton328@aol.com

Treasurer

John Faton

(530) 681-5316 johneaton@sbcglobal.net

Secretary (530) 796-4377 Mike O'Kane micharlokane@gmail.com

**Board members:** 

Doug Barton

(530) 662-6469

controlinedoug@aol.com

Chris Dellinger

(707) 446-9647 cdellin@sbcglobal.net

(530) 848-3666

Keith Young

k young52@yahoo.com

Danny Winters

(916) 342-0679

win51@comcast.net

Bill McGaughey

(530)908-1356

w\_mcgaughey@yahoo.com

#### **WDA** website www.wdarc.org

Woodland Davis Aeromodelers 42875 County Rd. 29 Davis, CA



bbponz@sbcglobal.net

Membership

John Eaton (530) 681-5316 goldeneramodel.com

Safety Officer

Jon@radialaviation.com Jonathan Stemen (916) 666-2868

**Field Maintenance** Art Williams

Stein Buer (916) 850-9457 steinbuer@gmail.com

**Newsletter Editor** 

geertson@sbcglobal.net Richard Geertson (707) 693-9537

flybaby1569@gmail.com Kerry Roberson (661) 978-1992

**Club Advocacy** 

Lou Fox (530) 753-9331 loujfox@yahoo.com

**SNACK SHACK** 

(916) 947-7468 Ben Ponzo

Flight instructors:

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

htInstruction

Carlos Reves (650) 243-8894 carsii@hotmail.com

**Jet Turbine Instructors** 

**OPEN** 

Multi-rotor Drones

⇒ Keith Young (530) 848-3666

**Helicopter Instructor (Only):** 

 $\Rightarrow$  **OPEN** 



Next Club Meeting: Monday Aug 8th 7pm Round Table Pizza, Woodland



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