

Still in Florida taking care of my mother, she turned 97 last month, she is doing much better, I plan to head back to California in early May. I have been going to the local community health center on Wednesday mornings, where the Tampa indoor fliers fly. I am so envious, there must be a place to fly indoor in the Sacramento area.



I plan to go to Top Gun in Lakeland on May 3rd to see the show. I know the Jet fly was a success. The float fly, the Helicopter scale fly-in and the pylon race contest are coming up fast, the cd's for these events really need your support. Please come out and help, you will have fun.

Kerry Roberson

Event Flyers

NEXT WDA CLUB MEETING
Woodland Library, Leake Room
Monday May 13th @ 7pm
Board meeting @ 6pm

Prez Sez
Board Meeting Minutes
Club Meeting Minutes
Floatplane Conversion
F4-D Skyray build part 3
Event Calendar

Kerry Roberson Mike Frint Mike Frint Ed Morgan Monty Welch

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April 8, 2019 Board Meeting Minutes

Board Members/Officers present: Vice President: Doug Vice, Secretary: Mike Frint. Board Members: Doug Barton, Sheldon Berkowitz, Chris Dellinger, Mike O'Kane, Danny Winters. **Absent:** President: Kerry Roberson, Treasurer: John Eaton, Safety Officer: John Lett.

The meeting, held at the Woodland Public Library, was called to order by Doug Vice at 1807 hours. The meeting started with eleven members present and ended with a total of thirteen. No guests or new members.

A motion was made by Chris Dellinger to approve last month's Board meeting minutes. Doug Barton issued a correction to last month's minutes in that he was not in attendance. Correction noted-the motion was seconded by Mike O'Kane and adopted with no opposition.

Officer Reports:

President: Kerry was absent.

<u>Vice President:</u> Had nothing to report.

Treasurer/Membership: John was absent.

Secretary: Had nothing to report.

Old/New Business: Just today, hot off the press: April 8. Doug Barton, as one of our AMA Leader Club contacts, was sent an e-mail by AMA dealing with Contest Directors and Event Managers responsibilities as applied to large Model Airplane and Turbine Aircraft. There is a new FORM 10 Contest/Event Package. It is the responsibility of the CD/EM to insure that pilots have the proper credentials, information and safety declarations before being allowed to fly during events. Doug V. wanted to add this to our club rules last month. Since AMA added this to their rules, by default it is now added to the club rules. Discussion then ensued. Forrest suggested that we get some scales if we have any aircraft of questionable weight and that we should get them before the upcoming jet event. Doug V. said that John Lett has equipment (but that is for his own use.) Chris Dellinger will go purchase three scales and give them to Monty so that we have them for the jet event. It is not our responsiblity to check Center of Gravity. Doug V. stated that event advertising should include a statement that pilots/aircraft must be certified to fly and whether certifications can be done before or after event hours (early mornings or evenings of event). Pilots must work along with the person that gives them certifications. No motion was needed to purchase scales since the

cost was estimated to be less than 100 dollars. We want to discuss this further with John Lett also.

<u>Field:</u> The planned work party for March 30 fizzled out. The tennis nets have some tears in spots. Are the rabbits chewing on them? Work Party-scheduled for April 13 to clean up before the Jet Event.

Old Business: Water supply/pumps/electrical-Ken Hook said P.G. and E. will probably allow a second transformer. Sheldon asks-What's going on with the culvert? With John absent we don't know yet. Hopefully P.G. and E. has more numbers for us. SMUD use of field-no new information. Buildings for field-this is a dead issue for now. Shade Structure-nothing new. Boat trailer-Randy has the trailer now. Club charter paperwork-no news yet. John is working this. Runway centerline marker barrels-got interrupted, not discussed. Windsock-see General Meeting Minutes.

New Business: See above.

<u>Upcoming events:</u> Helicopter Scalemasters May 9-11, Pylon races May 18-19.

Meeting adjourned at 1852 hours.

April 8, 2019 General Meeting Minutes

Board Members/Officers present: Vice President: Doug Vice, Secretary: Mike Frint. Board Members: Doug Barton, Sheldon Berkowitz, Mike O'Kane, Danny Winters. **Absent:** President: Kerry Roberson, Treasurer: John Eaton. Board Member: Chris Dellinger. Safety Officer: John Lett.

The meeting, held at the Woodland Public Library, was called to order by Doug Vice at 1904 hours. Seventeen members were present. There was one "new" member in attendance. Gary Reed returned after "about twenty-five years" absence. He used to have a Piper Cub, a Schoolboy and currently flies on a simulator and does some drone flying.

Officer reports:

President: Kerry was absent.

Vice President: Nothing to report.

<u>Treasurer/Membership:</u> John was absent. Last membership count was known to be eighty-seven.

Secretary: Nothing to report.

Safety: John was absent.

Chair reports:

Field: Art reported that it was still wet. Danny said it looked good but had lots of weeds. The pit area needs to be brushed or blown off. A work party was planned for April 13 for general cleanup.

Newsletter: Rich was absent.

Website: Kerry was absent.

Points: Stein had departed after the Board meeting. (To add-Stein sent a points summary letter to the Board members. Sheldon liked the letter so Stein may send it to all the members via e-mail.)

Old Business: Runway Centerline Indicators-are to be elevated slightly, we are waiting for dry conditions. Water/power/electrical supplies-still in discussions with P.G. and E. Ken Hook said P.G. and E. will probably allow a second transformer. We need to check the water pump for possible bearing damage. Doug B. said a possible idea is to run the pump into the control line side and have a pressurized system. This would use less pipe. Windsock-Sheldon wanted to put the location to a club vote. Most pilots don't want it in the middle of the field because it would be a plane magnet. After discussion, Sheldon made a motion that the windsock be installed at the cow fence. Art seconded. There were eight ayes, zero Noes or no vote at all.

Old/New Business: More discussion on the AMA rules of flying Large Model Aircraft and Turbines. See Board minutes for more. What was added to the discussion is, events with a Contest Director/Event Manager is one thing but what is going to happen on a random day at the field? How do we handle that? With the LMA certifications if the aircraft is damaged or beyond two years of certification then the certification is no longer valid. Mike O. was of the opinion that Congress mandates that we fly under the CBO (community based organization) rules and if we operate outside of these rules we could be uninsured. He believes the FAA will start enforcing rules on model aviation and these rules are not going to go away. Mike also believes the club Board should set the rules and not the Contest Directors. Doug V. said we need to continue this discussion when John Lett is available since he is a LMA inspector and directly involved with AMA on this issue.

Events: The jet event was postponed due to bad weather forecasts but some people flew that weekend anyway.

<u>Upcoming events:</u> Helicopter Scalemasters is May 9-11. Pylon race is May 18-19.

Minutes approval was skipped earlier: A motion was made by Forrest Barton to approve last month's Board meeting minutes. Doug Barton issued a correction to last month's minutes in that he was not in attendance. Correction noted-the motion was seconded by Danny Winters and adopted with no opposition.

<u>Toilet Seat Award:</u> Bill McGaughey was nominated for crashing his F-18 EDF. (again) (third one?)

Show and Tell: None. However, Sheldon did mention that he built an old 1965 Midwest Tri-Squire. It came out at two pounds, fifteen ounces. Sheldon said the plans showed escapement for onboard equipment. He said it takes off and flies like a kite with an O.S. .15 engine. It was reported that Monty will have a new 68 inch wingspan foam plane at the float fly. Keep an eye out for it.

The meeting was adjourned at 2006 hours.



2019 NORTHERN CALIFORNIA AFTERBURNER REPORT by Jeff Lovitt, CD

After having to cancel due to poor weather and a soggy flying site a month ago, we were rewarded with phenomenal weather, a solid turnout of sport and scale jets and we had a great time. Ben Ponzo fired up the grill and was ably assisted by Robert on the grill. We had some campers arrive Thursday evening, and a steady line of flying on Friday. We had even more pouring in on Saturday and a small gathering of spectators which was great! Pilots were extremely conscious of the flight



boundaries and did a great job of using spotters, and maintaining visual awareness of their craft in our airspace. The field was in amazing shape, having just been mowed. Thanks to Art, Bill and company for



making the field look so good and to those who were out two weeks prior for the work party. It really showed.

We gave a few awards out. Best Scale Jet went to Dave Fusinato of Fresno and his skymaster F16 in 1/6 scale. Powered by a Kingtech 210 and painted and detailed entirely by himself (This model is no ARF), it flew as good as it looked. Best sport jet was awarded to Jack Diaz who was flying scale jets, but he was flying them like they were sport models. He was tearing it up with his newly refurbished Mig 15 and F100. Only Jack can pull this

off. Top Pilot went to Greg Milosevich, who demonstrated perfect control of his large Havoc in the skies. Greg makes his Havoc look at home on its side in knife edge or upside down as right side up. Well done gentlemen!

We were supported with industry support from Bob Violett Models with a box of goodies including a hysol glue kit which I believe Monty won in the pilot raffle. We also had gift certificates from Horizon Hobby, and some glue from House of Balsa/ZAP and a ultimate air trap for the jets from AeroPanda.

All in all a great weekend. I would like to say thanks to the club for supporting this event and allowing the field to be used for events. Folks from outside the area always enjoy our site, and its amenities. It's wide open and in the spring right now its lush green color it really is a great place to fly. Thanks! Jeff Lovitt





SR Batteries X250 model -- floatplane conversion

by Ed Morgan



My SR Batteries X250 EP model has been flying very well as a land-plane for the last 5 years. This model has a 36" wing span; 266 square inches of wing area; powered by a BP Hobbies Cheetah A2217-6 brushless outrunner motor (photo 1). I fly it with both 2-cell and 3-cell LiPo battery packs.

I decided to convert it to a float-plane -- my first one with electric-power. I found a kit for small foam floats at R/C Country that looked close to the size I needed. This was a Hyperion Ultra-Light Floats 550mm float kit (photo 2). I used only the foam floats from this kit. I built my own float carriage and water rudder assemblies. See the completed floatplane on the next page.

I cut 1" off the front of each float; cut 1.5" off the stern; then moved the float-step forward by cutting out a 1" chunk off the rear edge of the front bottom. I then sanded the floats and fiber-glassed with 3/4 ounce cloth and epoxy resin. I added a 3/8" spruce strip to the top of each float for the float-mounts and for reinforcement.

I designed and built the float-struts mounting assembly from 1/16" music wire, brass sheet, 5/32" brass tubing, and silver solder (photo 6). The floats and the carriage were then sprayed with Rustoleum "rattle-can" flat white primer and aluminum paints.

The water-rudder assemblies were made from 1/8" and 5/32" brass tubing, flat brass stock, flat aluminum stock, and silver solder. The water rudders have an adjustable-tension "kick-up" feature in case of striking weeds or driftwood at high speed.

I installed a new servo externally in the front belly of the fuselage to operate the water-rudders. It's connected to the receiver rudder port with a Y-cable, shared with the air-rudder. The water-rudder control cables are made from 20 lb. test nylon-coated steel cable fishing leader.

I used WDA club member Forrest Barton's suggestion to protect the external, belly-mounted servos, with water splash -shields. These were made by cutting sections from old plastic 35mm photo-film containers.

To maintain aircraft directional stability while flying with the floats, I added a sub-fin to the rear fuselage bottom (photo 11). The sub-fin was made from 2 pieces of 1/16" balsa sheet laminated with water-proof glue. The mounting base-plate is 1/16" plywood, reinforced with balsa triangle stock. Rattle-can spray primer and paint were used for finishing the sub-fin and splash-shields.

By using the heavier 3-cell LiPo battery pack, I was able to balance the model with only a 3/4 ounce lead weight bolted to the firewall. Total weight is 29 oz. Wing loading is 15.5 ounces per square foot. The model is now finished and ready for its first flight. I hope to perform the maiden flight at our club's May float-fly!

Ed Morgan
ejmorgan54@sbcglobal.net



Cheetah A2217-6 Brushless Outrunner Motor (.049 glow engine equivalent)



Hyperion Ultra-Light Floats 550mm floats kit.



Use a soft, waterproof pad to protect floats on shore.



Note the sub-fin mounted under the tail-end.



This pad was cut from 3/8" thick foam rubber carpet-pad.



Floats mounted to struts with 5/32" straps and wheel-collars.



Water-rudder swiveled down in normal operating position before launching.



Retracted rudder should clear floatbottom to prevent snagging weeds or driftwood.



Inexpensive and light-weight fishing tackle used for control system.



Splash-shield attached with screw (optional) and canopy glue.



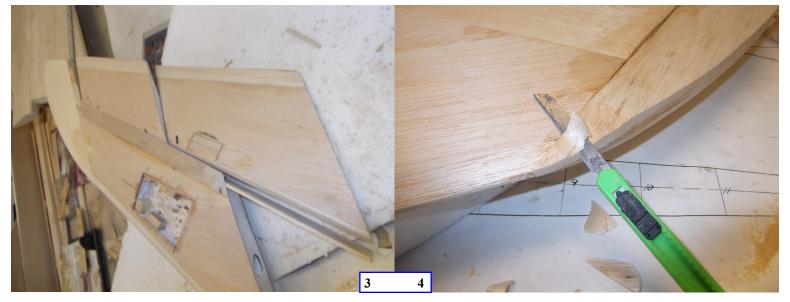
Balsa and plywood sub-fin screwed to fuselage.

MONTY WELCH'S F4-D SKYRAY SKYRAY Build Part 3

- #1 Pic. All the control surfaces have a gap at the hinge line. In order to cover this gap I used a very thin piece of plywood (I think it was 1/64). This piece of plywood was about 1/2 " wide. In order to place this piece of 1/2" plywood I had to indent the aircraft structure part, ie wherever the control surfaces met the hinge line..
- #2 Pic. To do this I used a block of wood with a strip of 1/2" wide #80 grit sandpaper glued onto the block and a guide next to the sandpaper next to the sandpaper strip. This way I could make the indentation by sanding the aircaft structure adjacent to the control surfaces in a straight line. The 1/2" plywood piece was then placed in the indentation made and glued in place. This then covered the gap betwenn the control surface and the aircraft structure. (The wings and vertical fin)
- #3 Pic. This is the vertical fin with rudder next to it. You can see the darker wood, which is the 1/2" wide plywood. I did this on all control surfaces.
- #4 Pic. This is starting to shape the tip blocks on the wing. The knife I am using I got from Harbor Freight. It has turned out to be a very sharp and flexible tool to carve and shape balsa wood. I think they are about a \$1 each.
- #5 Pic. I also used a razor plane to help finish the shaping of the wing tip.
- #6 Pic. This is the shavings from just one of the tip blocks.
- #7 Pic. The main gear air nipple sticks out on the side of the cylinder in such a manner that in order to install the gear I would have had to cut a deep notch in the landing gear rails. Obviously this would weaken the landing gear rail.
- #8 Pic. To solve the problem in Pic # 7, I installed the landing gear without the nipple on the cylinder, then I cut a hole in the wing root in the fuselage, where I could now re-install the air nipple which I had previously removed.
- #9 Pic. This is the clear part of the canopy being glued to the fiberglass shell.
- #10 Pic. This is where I had to make sure that the canopy structure would be a perfect fit to the fuselage.

 The canopy has to be able to be removed to gain access to the radio equipment in the nose.





ROLE: FIGHTER AIRCRAFT MANUFACTURER: DOUGLAS AIRCRAFT COMPANY # BUILT: 422
FIRST FLIGHT: 23 JANUARY 1951 INTRODUCTION: 1956 RETIRED: 1964



The F5D Skylancer was derived from the F4D and intended to be a Mach 2 capable successor to the Skyray. Although four prototypes were built and flown, the project was cancelled as being too similar in mission parameters to the F8U Crusader and also to reduce dependence upon Douglas Aircraft, which was also producing several other aircraft for the U.S. Navy.







General characteristics

- ⇒ Crew: one
- \Rightarrow Length: 45 ft 3 in (13.8 m)
- \Rightarrow Wingspan: 33 ft 6 in (10.21 m)
- \Rightarrow Height: 13 ft 0 in (3.96 m)
- ⇒ Empty weight: 16,024 lb (7,268 kg)
- ⇒ Loaded weight: 22,648 lb (10,273 kg)
- ⇒ Max. takeoff weight: 27,116 lb (12,300 kg)
- \Rightarrow Powerplant: 1 × Pratt & Whitney J57-P-8, -8A or
 - -8B turbojet
- \Rightarrow Dry thrust: 10,200 <u>lbf</u> (45 kN)
- ⇒ Thrust with <u>afterburner</u>: 16,000 lbf (64.5 kN)

- \Rightarrow Maximum speed: 722 mph (627 kn, 1,162 km/h)
- \Rightarrow Range: 700 mi (610 nmi, 1,100 km) combat
- ⇒ <u>Service ceiling</u>: 55,000 ft (17,000 m)
- \Rightarrow Rate of climb: 18,300 ft/min (93.3 m/s)
- ⇒ Thrust/weight: 0.71
- ⇒ Guns: 4 × 20 mm Colt Mk 12 cannon, 2 each just aft of the wing leading edge, mid-wing, underside, with 65 rounds/gun
- ⇒ Rockets:
- \Rightarrow 6 pods of 7 2.75 in (70 mm) unguided rockets or
- ⇒ 4 pods of 19 2.75 in (70 mm) unguided rockets
- ⇒ Missiles: 4 × <u>AIM-9 Sidewinder air-to-air missiles</u>
- \Rightarrow Bombs: 2 × 2,000 lb (907 kg) bombs

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2018	9) \\\\		Vents
<u>Date</u>	<u>Site</u>	<u>Event</u>	<u>Name</u>
Apr 5-7/2019	Woodland	Jet Fly	Norcal Afterburner
May 3-5/2019	Lake Minden	Float Fly	WDA Float Fly #1
May 9-11/2019	Woodland	Heli	Helicopter Scale Masters
May 18-19/2019	Woodland	Pylon	Fred Burgdorf Memorial
June 28-30 2019	Woodland	Warbird	Wings of Victory
Aug 3 2019	Woodland	Scale	Golden Age
Aug 24-25/2019	Woodland	U/C Stunt	Goyet Meet
Sept 7-8/2019	Woodland	Pattern	Pattern Spectacular
Sept 21-22/2019	Woodland	U/C Stunt	Meet n' Meat
Sept 28 2019	Woodland	Fun Fly	Old School Jamboree
Oct 4-6/2019	Lake Minden	Float Fly	WDA Float Fly #2

2019			1 Evente
Date	<u>Site</u>	<u>Event</u>	Name
Mar 30-31/2019	Gold Country Flyers	U/C Combat	Gold County Combat Dual
Mar 30-31/2019	Travis AFB	Airshow	Travis Air Fair
Apr 13-14/2019	Davis	Glider	2019 SVSS Spring Fling
Apr 26-28/2019	Los Banos	Aero Tow	Los Banos Scale Aero Tow
May 4-5/2019	Oakdale	IMAC	Oakdale IMAC Spring Fling
May 4-5/2019	Watsonville	Slope Soaring	Sunset Beach Camp n' Fly
May 12-19/2019	Camp Far West	Float	Camp Far West Float Fly
May 23-27/2019	Atwater	Giant Scale	Castle 2018 22st/5th Annual
June 1 2019	Hiller Aviation Museum	Demo	Biggest Little Airshow
June 20-23/2019	Livermore Heli Ranch	Heli	Rotorfest 2018
July 20, 2019	Sac- Rats	Warbirds	Warbirds
Aug 17, 2019	Livermore	Warbirds	
Aug 24-25/2019	Sac-Rats	WW1	Waldo Pepper
Sept 11-15/2019	Stead Field	Air Races	Reno Air Races
Sept 20-22/2019	Snelling, CA	Float Fly	28th Lake McSwain Float Fly
Sept 21-22/2019	Lemoore NAS	Airshow	Lemoore Open House

Rotors Over Roseville 2019 Model R/C Helicopter Event Saturday May 11th 2019 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 Thinder Valley Casino in Lincoln CA

Flying fee \$7 and BBC Hamburger or Hotdog Lunch \$7

Tri-tip sandwich Lunch \$10

Pilots nust have Valid AMA insurance
Helicopter and Wilti Rotor Help Desk for Beginners

3D Stunt and

FC3 Scale flying styles

3 flying areas within the field

Free Overnight R/V
Friday May 10th

parking, Pilots can arrive on

If it Rains on May 11th the Event wil be held on the Next Saturday - the 18th

Contact: Basil 916-410-2791 or Geordan White

916-521-8590

See: www.amosrc.com for more information

2019 Camp Far West Float Fly



The Premier Float Fly in Northern Ca.

A FULL WEEK OF FLOAT FLYING WOW......

Entry Fee \$20 for the week or \$10 per day

Camping fee \$23 a night or \$13 per day use.

Transport to and from water and RV Chase boat provided. Plenty of RV parking, but get here early as we get fairly busy.

Spectators Welcome, Food and drinks, Boating and Swimming

Contacts: John Sorenson 916-216-0384

Gary Meyer 916-276-6990 (AMA required)

Sun, 12. May 2019, 08:00 AM - Sun, 19. May 2019, 06:00 PM

The Annual Castle 2019 ~ Giant Scale Fly-In

Hosted by the Central California Model Flyers and the Turlock RC Club



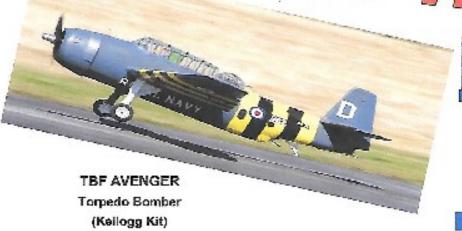
The Annual Castle 2019 ~ Giant Scale Fly-In starts at Castle Airport, Thursday May 23rd at @ 12:00pm - 5:00pm, and 9:00am-5:00pm Friday 24th, Saturday 25th and Sunday 26th.

This is a great family outing and aviation event. In fact, this is the second largest of this type of event in the country.

- Castle Airport, May 23-26, 2019
- New Highway Layout: Follow signs for "Buhach Rd" near Atwater off Highway 99
- Flying starts at @ 9:00am daily night flying after dark too!
- Admission FREE
- Auto Parking \$5.00 per day or \$10.00 for two or more days
- Full-Scale Aircraft parking available near model event ask Tower for Follow-Me
- · Vendors, Food, Raffle
- · Don't forget hats, sunscreen and a folding chair
- For more info call or email the Event Directors; Scotty Malta, (209) 617-5789, scottymav8r@comcast.net or Rick Maida, (408) 460-1526, mrcorsair@usa.net

is celebrating the

25th WINGS VICTORY



Aircraft must be in appropriate warbird colors

ne 28-30 2019

Open flying after Noon Sunday

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

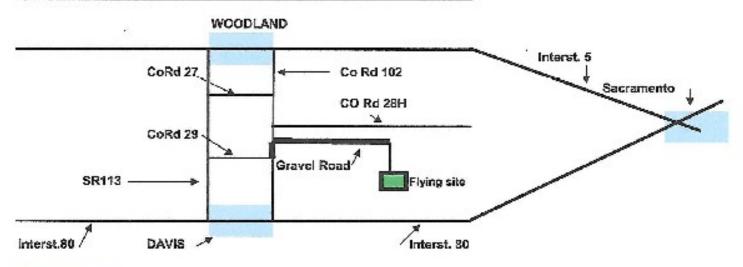
Camping and RVs allowed... No Hook-ups Restrooms and Snack shack on site

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

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

WDA website:

www.wdarc.org



Giant Scale Fly-In

July 25th - 28th, 2019

Hosted by the Tri-Valley RC Modelers of Santa Maria, Ca.

AMA Gold Leader Club #170

The facts:

- Landing Fee: Only \$25.
 Includes: Parking, lunch on Saturday, and a raffle ticket;
- Dry camping for \$10/night;
- Pre-register @ rcflightdeck.com;
- Only giant scale planes until 5pm; (Mono 80", Biplanes 60");
- Proof of current AMA required;
- Early arrival by pre-arrangement.

The fun stuff:

- World Famous Santa Maria Style BBQ dinner on Saturday night;
- Beautiful Santa Maria weather;
- Food & drinks available daily;
- 500' paved runway, expanded pit area, shade, and electricity;
- Open flying after 5pm;
- Outdoor Movie Saturday Night;
- Pilot's Raffle.

Qs? Call Chuck Barnes (805) 886-7921 or email Cdbarnes10@comcast.net



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Jet Turbine Instructors

 \Rightarrow **OPEN**

Helicopter Instructor (Only):

 \Rightarrow **OPEN**



Woodland Public Library "Leake" Rm., 250



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