



11/02/2016

Condors Newsletter

Including: General Meeting Minutes,
Show and Tell and Items of Interest

Flash!
Next Meeting:
Camarillo Senior Center
Wed, 12/07/2016 7:00 PM

Speaker: TBD

..Show and Tell

Future Events:

Sat, 12/3/2016
Christmas Party

President	Robert Wagner	805-491-2222	robert_wagner@roadrunner.com
Vice President	Anthony Abey	818-257-3140	anthony76@sbcglobal.net
Treasurer	Randy Bronson	805-732-0625	RandyFishman@verizon.net
Secretary	Mike Milbrett,	805-402-2843	mikonovich@gmail.com
Safety Officer	Mel Tufto	805-341-9801	mtufto@verizon.net
Operations	Robert Vizzo	805-890-9087	robertvizzo@hotmail.com
Membership	Alan Hoff	805-404-6860	amhoff93010@twc.com

Index:

- **Meeting Minutes (this page)**
- **Seadart Adventure (page 3)**
- **2017 Membership Renewal (page 4)**

Introduction:

Welcome to the Condors Newsletter. Readers are invited to send ads, articles, photos for inclusion in the next issue. Send them to amhoff93010@twc.com

Al Hoff, Editor

Meeting Minutes, 10/05/2016:

The meeting was called to order at 7:05 PM. Richard Hodgson led the Pledge of Allegiance. Thank you Rich. Chris Brashears moved to approve the minutes from the October meeting. The members passed the motion.

Guest Speakers:

There were no guest speakers.

1. Treasurers Report – The IRS work is still at the CPA and attorney.
2. Safety – We need to make sure that we are training the new young pilots correctly and that they have experienced spotters when flying.
3. Donations – We are still accepting donations of models and electronics, please contact Robert Wagner.

4. Nominations – For next years board, please send any nominations to Robert Wagner or Mike Milbrett.
 - a. The board is proposing the following for next year:
 - i. Robert Wagner and Anthony Abey continue working with the university on field issues and negotiations.
 - ii. Robert Vizzo will be the day to day operations President.
 - b. We are looking for recommendations for alternatives.
 - c. Initiatives for next year:
 - i. Field retention and additional fly days
 - ii. New location?
5. University – Kathy Long was to give us a warm handoff to Linda Park and Celina Zacarias.
 - a. Several emails have ended in no response.
 - b. Anthony called Celina and she still thought we were moving.
 - i. Anthony asked for assistance finding a location.
 - ii. MOU development is extensive, could take a lot of time.

- iii. Ray Porras has been contacted for an extension, Celina has been CC'ed.
 - iv. Can we get a longer term than 6 months with additional fly days?
 - v. Ray believes that we can have an extension in place with current agreement before 12/18/16.
6. Robert Wagner is going to get back in contact with the water district to gather more information on the other location behind the CFC current location. It was in litigation the last time he had contact, lets hope its cleared or clearing so we can possibly move forward there.
7. Holiday Party – 12-3-16 1-5PM
- a. We will have a combined raffle with CFC with each club supply \$500 toward prizes.
- b. The clubs will split the food costs for a \$400 total.
 - c. You should have received an email with RSVP information already. If not, please contact Anthony Abey to get on the list.
 - d. Our prizes will come from California Hobbies again this year.
8. Show & Tell – Rich Tejeda brought in his foamy flying bird model. He does not recommend it from a building standpoint, everything was crooked out of the box, but, after a lot of work straightening it out and getting it together, it flies excellent. Total flying weight: 20oz.
9. After 28 years in business, Aeroworks has closed its doors

The meeting was called at 7:37PM.



Seadart Adventure (Rev 1)

Jeffrey Nemit wrote the following article for the RCJM magazine which is in the latest issue. He offered it to us to put in our newsletter. Thank You.

The Seadart project started with the purchase and construction of a plastic model. After some added research on the Seadart and detailed measurements of the model a set of drawings were constructed using "Ashlar Drawing Board". Over the next two years the Seadart was constructed using conventional balsa and ply materials. The model was then finished with light fiberglass and good quality paint. A small balsa model of the Seadart was next constructed and test run to determine the correct center of gravity location and sensitivity of the location to small changes. The design appeared very robust.



Seadart Ready for trip to the Pond

The power system consists of two Wemotec Midi fans with 1600 rpm/V Medusa motors. The initial setup consisted of two 6S 2200 mahr battery packs to keep the weight to a minimum. Test initiated in a local pond showed the seaworthiness to be quite good. The massive sea rudder was effective under most conditions but some issues were encountered in stronger winds due to the large vertical stabilizer. Having differential throttles on the dual fans would have helped at low water speed.

The first several attempt at high speed runs showed that there was insufficient power to come on the step and achieve a sufficient velocity for liftoff. Overall weight was 16.5 pounds with a net thrust of just ten pounds and a net power input of 2240 watts. The next step was to upgrade the ESC's and

increase the available power with two sets of 8S 5000 mahr Lipo packs. This increased the weight to just under 20 pounds with a net thrust of 17 pounds and a net power input of 4620 watts so a sizable increase in thrust to weight.

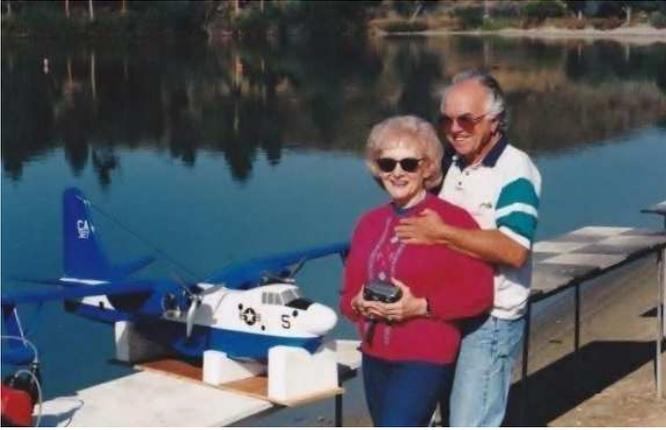
The next set of high speed surface runs showed the Seadart clearly on the step and at a speed more than sufficient for liftoff but apparently stuck to the water surface. These results clearly indicated that rotation could not be achieved with the thrust line being well above the CG. This problem was solved by adding some simple baffle plates in the exhaust of the ducted fans at approximately five degrees as shown in the attached picture. After the above modification, the Seadart would readily liftoff from the water surface after a short takeoff run. The aircraft is quite fast, very maneuverable yet stable in flight, a very light feel with an overall wing area of 1275 square inches. As with most delta wing aircraft, stall characteristics are very docile, and the Seadart just slows down at high angles of attack with no noticeable instability in any axis. There is nothing like advancing the throttles on the dual fans and watching the plane shed water, and sprout a small rooster tail as liftoff is achieved. I can't wait for seaplane events this fall with hopefully some early seasonal rain to fill some of the parched lakes in California.

One picture shows the ski in the extended position. This is controlled by two air driven pistons on both ends of the single but wide ski board. There is an adjustable valve that controls the flow rate to the pistons to get precise control of the ski in the lowered and stowed positions. Overall effective, simple and reliable in operation.



2017 Membership Renewal

The last picture shows Ray and Bea Cannon at a local pond with his model of the Martin P5M Mariner. Some 60 years ago Ray was a Naval aviator and pilot of a P5M. The Mariner as with the Seadart is a great flying model.



Best Regards, Jeffrey Nemit

Membership renewal for 2017 is \$65. New 2017 CIC membership cards have been printed and will be issued upon receipt of \$65, confirmation of 2016 AMA membership and confirmation of your attendance at a safety and field operations briefing as evidenced by a signed "Acceptance of Terms and Conditions" form. I will be accepting dues and handing out cards at the field and at the general meetings. A check is preferred, but we also accept cash (a receipt will be issued for cash).

Note: Some members may owe an installment on their runway fee.

If you have had the orientation briefing and your AMA is up to date (through 2017) you may mail a check to:

Channel Islands Condors
P. O. Box 1993
Camarillo CA 93011-1993

If you have not had the safety and field operations briefing, contact Al Hoff and we will schedule a briefing. Remember, no flying until the briefing is complete and you have your AMA card. When you arrive at the field for an orientation, let one of the board members know.

If you have interesting pictures, send them to Al Hoff, amhoff93010@twc.com. We will publish them as space permits. Also, if you want to compose a short article, that would be good also.