

PCC NEWSLETTER

PENINSULA CHANNEL COMMANDERS INC.



January 2014

Next Meeting:

January 15th, 2014

AMA Chartered Club # 139

Web Site: <http://flympcc.org/>

Field Phone: 650-712-4423

President	Mike Solaegui	415-314-6261	mikes@perfectedgecutlery.com
Vice President	Rich Symmons	650-712-0471	rsymmons@aol.com
Secretary	Dennis Lowry	415-285-4496	dennis.lowry@groupdelphi.com
Treasurer	Greg Romine	650-736-7230	gsromine@stanford.edu
Field Safety Officer / Webmaster	Matt Abrams	415-370-3323	matt@matt-abrams.com
Membership Chairman	Vacant		
Editor/Flight Proficiency Chairman	Brian Chan	650-867-8813	pcceditor@gmail.com

WHAT'S HAPPENING @PCC



WELCOME TO 2014!

LIST OF 2014 CLUB OFFICER

We had an election at the December general meeting. Most of the positions were unchanged, with the exception of the Vice President. Rich Symmons stepped up to take over the duty of VP from Oliver Salles. Thanks you, **Oliver for your service in the last 4 years!**

President:	Mike Solaegui
Vice President:	Rich Symmons
Secretary:	Dennis Lowry
Treasurer:	Greg Romine
Field Safety Officer:	Matt Abrams
Newsletter Editor:	Brian Chan
Flight Proficiency Chairman:	Brian Chan

DECEMBER MEETING MINUTES

Dennis Lowry

PCC Monthly Meeting Minutes

Call to Order: By Mike Solaegui the President

Tickets for the holiday dinner are \$30 from Ray Squires

Guests: Jeff March brought his son Nathan and a beautiful P-47.

Mario Parillio showed after not having been seen for a year.

November Minutes Were Approved

Raffle Prize: A Mini Ultra Stick

Ray Squires donated a banquet ticket.

Coffee and Donuts are provided from the raffle, so buy, buy, buy.

Membership Report: 96

Safety Report: All seems good.

Field Report: It's in pretty good shape.

Events: No Contests

Flight Proficiency: Will revive.

Old Business: Half our members are old business.

New Business: The other half of our members.

Motion was made to have 50% discount for non-flying seniors, and passed.

New Land Search committee was formed to look for new sites.

We are looking for 1 acre of parking and 40 acres of over fly space.

Holiday Party is scheduled for the Saturday after the January meeting. January 18. Tickets for the dinner are \$30 from Ray Squires.

The Officers were elected again. The new Vice President is Rich Symmons. All other chairs stay constant.

Hits and Misses

Ray's yellow cub went bang. Then he lost the prop and the engine quit. The connecting rod broke. The prop wind-milled and finally fell off when the plane stopped rolling. Odd Miss.

Sad Stories – None admitted to.

Show and Tell:

Ray brought a Dynam PBY from Nitro Models that he flew at Hennessey. It needs rudder to make the turn. 2.4 gig radio. (There are now 2 boats available at the float flies and the crowd mix is really good.) Then he flew a \$20 helicopter over everybody.

Martin had a pulse Jet. Dyna Jet made them, but Hobby King in China made a knock off, and he got one. 120 decibels. 4 lbs of thrust. He had made one with his dad in high school out of copper. His ran really good for 4 seconds – then it melted.

Art, a new member, brought in a 90% complete Gentle Lady kind of airplane. An UFO ? – No, a Wanderer. He's going

to need help with it, so Ken jumped in and will help him fly it.

Jeff March brought a BIG P-47 and his son holding up the photos. He has a DLE 55 to install. It's nicely covered in FLAT Monokote. It's a beautiful airplane.

Adjourned:

Dennis

TURBINE SEASON HALTED

Matt Abrams

Due to the lack of rain in the area, the turbine season is temporary halted until the grass is wet enough not to catch on fire. So no turbine activities until further notice.

UPCOMING EVENTS

January 2014

- 1 New Year's Day. A good day to fly if you have your AMA card.*
- 15 PCC Meeting, 7:30 p.m., Dave Chetcuti Rm, Millbrae (meeting location may change, if it is, you will be notified by email or phone call.)*
- 18 PCC Holiday Party, Harry's Hofbrau, Redwood City.*

Holiday Party!

- 20 Martin Luther King's Day*
- 29 Lake Hennessey float fly. It is on a Wednesday! Retriever boat will be provided by the Livermore Flying Electrons.*
- 31 Chinese New Year's Day*

February

- 14 Valentine's Day, don't abuse your flying privileges.*
- 17 President's Day. Public holiday. Carpool lane enforced.*
- 19 PCC Meeting, 7:30 p.m., Dave Chetcuti Rm, Millbrae (meeting location may change, if it is, you will be notified by email or phone call.)*

March

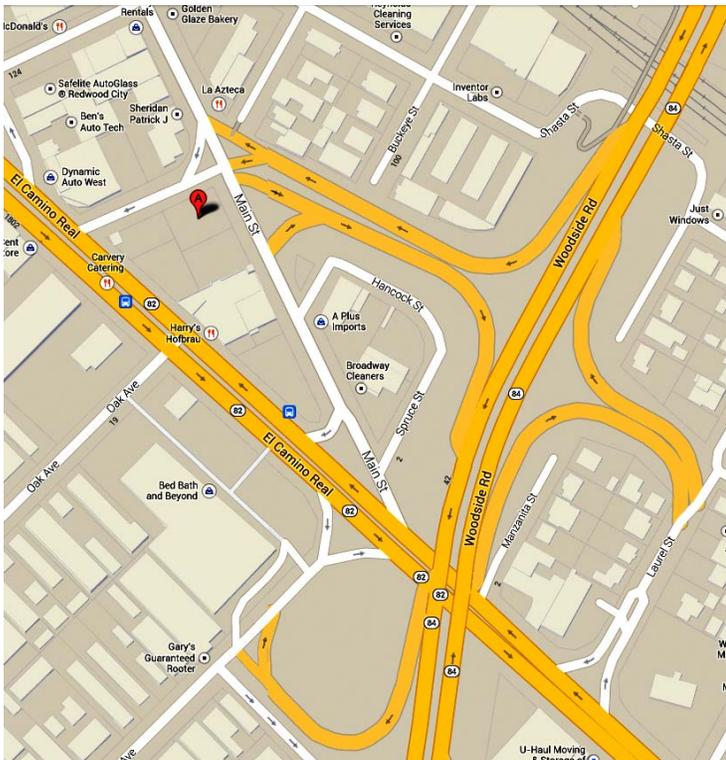
- 9 Daylight Saving Time begins.*
- 17 Saint Patrick's Day, Corn Beef and Cabbage, anyone?*
- 19 PCC Meeting, 7:30 p.m., Dave Chetcuti Rm, Millbrae (meeting location may change, if it is, you will be notified by email or phone call.)*

PCC HOLIDAY PARTY

Ray Squire



The Holiday Party will be held on **January 18th, 2014** at *Harry's Hofbrau*, 1019 El Camino Real, Redwood City. The tickets will be same as last year **\$30.00** per ticket. No host cocktails at 6 PM and dinner at 7 P.M. Tickets will be on sale at the December and January meeting also at the door. *See Ray Squire.*



RENEWAL TIME AGAIN!!

Yes, how time flies when you are having fun! It is that time again, slowly approaching Thanksgiving and Christmas! It is time to renew your PCC and AMA membership.

Renew your AMA membership now in order to get the 2014 Card before January. AMA renewal can be done online @

<https://www.modelaircraft.org/joinrenew.aspx>

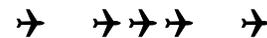
**2014 AMA membership is required
to renew your
2014 PCC membership,
NO EXCEPTION!**

You can also visit <http://www.modelaircraft.org> to learn about special options for AMA members including alphanumeric AMA numbers.

When you receive your 2014 AMA card, mail a copy of it along with your \$125.00 (\$100.00 Dues + \$25.00 field fee) check made out to "PCC" to:

**PCC Treasurer
1779 Woodland Ave., Ste. #28
Palo Alto, CA 94303**

Or bring your AMA card and a check (or cash!) to the next PCC meeting. Dues are \$100.00 + \$25.00 if paid before the New Year, \$110.00 + \$25.00 after January 1st 2014. It will be \$120.00 + \$25.00 if paid after February 1st! If you have not paid after March 1st, you are no long member of PCC and required to reapply.



HOW TO CONVERT A GAS MODEL TO ELECTRIC.

*By Melvin S. Harder
Rogue Eagles, R.C. Club, Medford, Oregon*

1. Determine weight from catalog. In the case of the Ultra Stick 120, the published weight is nine to 11 pounds. An electric conversion will weigh about 10 pounds, total flying weight.
2. Determine desired performance. I selected unlimited aerobatic performance and 3-D; 150- to 200-watts-per-pound. 746 watts=one horsepower.
3. Motor selection. Ten pounds x 150 to 200 watts=1,500 to 2,000 max watts capability motor. I selected a Hacker

C50-7XL, which has a max watts capability of 1,700 watts (again, watts=power). Select your motor based on cost, quality, and personal preference; my buddy has one. There's a lot to choose from.

4. Use the software program MotoCalc (motocalc.com).

Enter in: wingspan, wing area, weight, wing loading, and wing shape.

Enter in: motor constant, no-load current, resistance, weight, brushless, and out runner or in runner.

Enter in: gear ratio, propeller diameter (from motor recommendation range), and propeller pitch (from motor recommendation range).

You get from the Moto Calc calculated spreadsheet: stall level, level flight speed, top speed, thrust, and max amps.

5. The speed of the propeller is regulated by the ESC, which regulates the frequency of the max amps—low speed is less frequent, high speed is more frequent. Pulse technology.

6. ESC. From the max amps listed in Moto Calc, plus a little head room, select an ESC. Moto Calc told me that my max amps was 107.5 so I selected a Castle Creations Phoenix 125 (max capability of 125 amps). Again, ESC selection depends on cost, quality, and personal preference. There is a lot to choose from.

7. Use Moto Calc for a battery recommendation starting point. Battery capacity is the battery's C rating multiplied by amps (5,000 mAh=5 amps). For me, 25C x 5 amps=125 amps drawn capacity. 125 amp>107.5 amps.

8. The battery tray is formed using 1/8-inch plywood and some 1/4 x 1/4-inch guide rails on both sides of the tray. I used a Velcro strap to hold the battery in place.

9. For an electric airplane, the CG is constant; no gas is used causing the CG to move backwards during flight. Battery placement is used to balance the model.

10. Safety

Mount servo switch and motor arming plug well behind the propeller—best so you can stand behind the wing, well away from the propeller.

Keep in mind that electric motors have 100% torque at 1 rpm. Gas motors build up to that point.

11. Starting sequence

Put throttle in middle position

Turn transmitter on

Turn servo switch on

Check control surfaces

Plug motor arming plug (motor will make a tweaking sound)

When you are standing at the pilot station, move the throttle back to the idle position, which will arm the motor (motor will make another tweaking sound). You are ready to fly. →



What a beautiful day at Richardson Field! While most of the country is knee deep in snow or temperature in the single digits!



Maurice with his S-Bach Thunderbolt.



Mike helps Art and Ruth to keep the plane in the air!



Peter's Freewing Stinger 90 Jet. 45" span, runs on 6S5000 Lipo battery on a 90 mm fan.



Yes, it does fly well!



Ray's Cardinal, one of his swap meet prize!



Signor Jeppetto, a rear sighting at the PCC field!



Eric's Big Foam Camera Plane. He is load testing the plane to see if he has enough power to fly the plane and a water park.



Someone will bring everything including the kitchen sink to the field! That's Kenny's van!





Peninsula Channel Commanders

113 Starlite Drive,
San Mateo, Ca 94402
<http://flypcc.org>

Next Meeting: Wednesday, January 15th, 7:30 p.m.
Turbine Season temporary Halted due to lack of rain!

J&M

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WEEKDAYS 11AM-6PM
SAT. 9:30 AM-5:30 PM**