

CLALLAM COUNTY PILOTS ASSN/ WPA NEWSLETTER

CCPA meets on the third Thursday of the month, 7PM, Rite Bros, KCLM
**Only this month on Thursday, May 16 we will be meeting at 7PM,
At BROWN'S OUTDOOR
112 West Front Street, Port Angeles
MAY/JUNE EDITION**

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WASHINGTON PILOTS ASSOCIATION



**I'll Never Have an Unscheduled
Off Field Landing!
ARE YOU SURE?**

Meet Evan Brown, co-owner of Brown's Outdoor store right here in Port Angeles. Evan has been making special arrangements for the arrival of CCPA in his store for a presentation on equipment needed for survival. His store will close at 6pm and Evan will reopen it only for us and his presentation. This all happens at 7pm on Thursday, May 16 at 112 west Front Street right here in Port Angeles.

When Bruce Larsen first presented Jerry with four pages of survival gear needed for the pilot who just happened to have made a forced landing in unfamiliar territory, Jerry decided to give such to Gene who gave it to Evan. Evan went through everything on those four pages and boiled it all down to one page. Evan then re-checked his list and used it to check



his inventory. So when you arrive at Brown's on May 16, you will be able to see all needed items displayed before you.

This will be a meeting you won't want to miss! We'll see you at Brown's.



At Our April Meeting

Our fearless leader led the discussion on another AOPA presentation, Unmanned Aircraft and the National Airspace System. Unmanned aircraft are actually manned remotely by a pilot who must hold a 2nd class medical. And, unmanned aircraft are identified as UAS or unmanned aircraft systems to denote the fact that they are controlled and don't just operate autonomously.

If you look carefully at the photo, you will notice that Jerry is wearing a big smile. That's because after the presentation, our CCPA pilots got 90% on the follow-up quiz. But an even better reason for the smile is that unlike our first AOPA presentation, we had great attendance.

We are fortunate to have such good electronic facilities for such programs right

here in Port Angeles. We are also fortunate to have a leader who knows how to use these facilities and can make such a great presentation.

These AOPA programs are great for keeping current and with the interaction of our fellow pilots, they are much more worthwhile and meaningful than just going on line at home. Let's hope we can get Jerry to lead us in a few more AOPA pilot programs.

POPULAR BUT TRICKY, Lithium-ion batteries have been used on the international space station because they provide the most power for their weight and have been found to be highly reliable. Lightweight and power-packed, lithium-ion batteries are used to power electric cars, laptops, tablets, cell phones, satellites. They are even used on the Lockheed Martin Corp F-35 fighter jet. The number of cells manufactured globally has leapt to 4.4 billion in 2012 from 800 million in 2002.

But safety remains an issue. The battery industry still does not have a foolproof way to predict or prevent internal short circuits in the cells, according to experts who spoke about the issue at the National Transportation Safety Board forum. The NTSB is still investigating what caused one of the 787 batteries to overheat and catch fire in January. A second battery smoldered and emitted smoke during a flight in Japan, prompting the pilots to make an emergency landing and evacuate the plane.

When the FAA initially approved Boeing's lithium-ion battery system in 2007, it lacked rules to govern their use on planes, and set "special conditions" for Boeing to follow to ensure they would be safe. When the two batteries failed in January, the FAA's process came under scrutiny and critics said the agency could have applied lessons from past battery incidents. The FAA also has launched an extensive review of Boeing's manufacturing, production and design process for the 787, aimed at addressing the batteries and other problems that have cropped up during the first year of service by the new high-tech plane. It also seems that aircraft other than the Dreamliner have had problems.

When asked about a Cessna fire, the FAA indicated its investigation at the time "determined the fire was caused by mis-

handling and misuse of the battery while the aircraft was in a maintenance hangar. The battery size, composition and design were different than those of the 787 battery." Cessna declined to comment.

Since the 787 was grounded last Jan. 16, Boeing has tapped engineers from its airplane and space divisions as well as outside experts as part of a 200-member team that developed a package of measures aimed at preventing further battery problems aboard the 787. Ray Conner, who heads Boeing's commercial aircraft division, told an investor conference that Boeing tapped the expertise of engineers from other divisions who were familiar with lithium-ion batteries to develop the new battery system.

In the Cessna case, the FAA required that lithium-ion batteries in the Cessna Citation Model 525C, be replaced with nickel-cadmium or lead-acid batteries, older technologies that are not as volatile. Airbus officials have said they think lithium-ion batteries can eventually be made safe, but that the company was shifting to nickel-cadmium for its forthcoming A350 jet, because it doesn't want to risk a delay in bringing the plane to market. However, Boeing has said it isn't considering shifting away from lithium-ion batteries.

So what has been the major problem with the use of lithium-ion batteries? Is it a case of mishandling, or rather not knowing how to handle these batteries? Or, is it possible that there have been unintentional manufacturing flaws? Is it still too early to consider using lithium-ion batteries in GA aircraft?



Your newsletter editor , Gene, attempting to put together yet another CCPA newsletter.

As in the past, EAA and CCPA like to work together on a number of projects. Not only do we share responsibility for the Christmastime celebration, but we can use cooperation between EAA and CCPA for helping the Collings Foundation "Wings of Freedom" tour in June, and Young Eagle flights in both May and June. Please see our Calendar Page. (next page)

Since your newsletter editor, Gene, will be away from his computer for a good portion of the month of June, this May edition has been designated May/ June. Of course that means that there will not be a separate June edition. So keep a sharp look-out for announcements from our CCPA headquarters because this will be the only way membership can be fully informed about up-coming activities during both months.



EAA's Young Eagles at Sequim Valley in May and at Port Angeles in June.

PROGRAMS:

May 16 Survival Kit Options: To be presented at **Brown's Outdoor store.**
112 W Front Street

May 18 volunteer to help EAA with Young Eagles
May 25 Captain Crystal Balloon Flying all at **Sequim Valley, W-28**

June 17,18, & 19 Wings of Freedom

June 18 Collings/CCPA Cook out/Picnic @ Lincoln Park

Future Program: What Maintenance a Pilot can legally do on his aircraft

SAFETY BREAKFASTS:
7:30 AM

May 10 & 31
June 14 & 28
July 12 & 26

Safety Breakfasts are held at Fairmont Restaurant, 1127 Hwy 101 W, Port Angeles on the second and last Friday of the Month.

Executive Board Meetings are held on the first Wednesday of the month at 7 PM at Coldwell Banker, 1115 E First St, Port Angeles. All CCPA members are welcome to attend.

June 5, July 3, Aug 7, 2013

CALENDAR PAGE. . .also see next page.

May 2013

SUN	MON	TUE	WED	THU	FRI	SAT
			1	2	3	4
5	6	7	8	9	10 Safety Breakfast	11
12	13	14	15	16 Survival Kit Brown's	17	18 EAA Young Eagles
19	20	21	22	23	24	25 EAA Crystal on Balloons
26	27	28	29	30	31 Safety Breakfast	

The Wings of Freedom Tour

★ COLLINGS FOUNDATION ★
An Experience in WWII History
 Tel: 800.568.8924 @ www.cfdn.org



Fly A Mission!



P-51 Mustang



B-17 Flying Fortress



B-24 Liberator

SUN	MON	TUE	WED	THU	FRI	SAT
						1
2	3	4	5 Executive Board	6	7	8 Young Eagles in PA
9	10	11	12	13	Safety Breakfast	15
16	17 Collings Foundation	18 Collings Fnd. And CCPA Cook-Out	19 Collings Foundation	20	21	22
23	24	25	26	27	Safety Breakfast	29 Karen Mitchell @ Sequim Valley

The Wings of Freedom Tour

Three of the most famous WWII bomber and fighter aircraft are visiting your community as part of the **Wings of Freedom Tour**. Tour the beautifully restored aircraft and even **TAKE TO THE SKIES YOURSELF** in an ultimate **flight experience** aboard the bombers - or - get some "stick time" in the world's only full **Dual Control P-51C Mustang**. 30-minute bomber flights are \$425 per person. P-51 flight training is \$2200 for a half hour and \$3200 for full hour. The Collings Foundation is a 501c3 non-profit. The majority of your flight is a tax-deductible donation.

PORT ANGELES

William R Fairchild International Airport
at East General Aviation Ramp

June 17 - 12:00 PM to 5:00 PM

June 18 - 9:00 AM to 5:00 PM

June 19 - 9:00 AM to 12:00 PM

Tour - Explore - Fly

The Ultimate Living History Experience.

Walk-through tours: \$12 for adults and \$6 for children 12 years and younger.



Scan code to see video of aircraft and more information



So much is happening before the next issue, the July newsletter, comes out that we urge all of our CCPA members to watch for announcements about flight and airport activity in Clallam County between now and then.



On May 25 Captain Crystal will give a talk on balloons. This photograph was taken shortly after she had taken off from Sequim Valley, W-28, just a couple of months ago.

These trees at the east end of Lincoln Park are among the trees that are growing up into KCLM’s flight path. It seems that the city is moving in the correct direction for tree removal again and that the Port may need to come up with additional funds. However, much seems to be happening behind the scenes. CCPA needs to keep their ears and eyes open so that we don’t miss any opportunity to give timely input.



Remember this log house in Lincoln Park? That’s where we had our last cook out/ pot luck with the Collings Foundation. Please don’t hesitate to support “Wings of Freedom” by signing up to do ramp duty during their stay on June 17, 18, and 19. Plan to attend the cook out on June 18.

Don’t forget to get your CCPA hat and be sure to wear it at appropriate times like those listed on this page.

