



# The ThunderWord

Thunderbird Field EAA Chapter 1217 May 2019

Scottsdale, Arizona

## PRESIDENT'S CORNER

Greetings from my corner of the hangar! At the April meeting our guest speaker was Chuck Lawsen, who showed a video he made about his dad's WW2 experience as a B-17 pilot. Lt. Robert Lawsen flew 30 missions in the 8th Air Force out of England and was shot down on the last mission of his tour. It was a very interesting story and Chuck has spent thousands of hours on doing the CGI animation. It was a completely different presentation than anything we have ever done before and was very entertaining.

Because of someone renting the terminal building for an event we are booted out this month. We are moving back to our previous location hopefully for just a month.

Our 20th annual BBQ at DVT was a complete success, everyone had their duty assignments and it was completely stress free fun event. We fed probably eighty five people. If you missed out on coming it was a good time.

It was really nice this month to ring up John Washington and say HELP I am swamped could you find us a guest speaker? A couple of days later John came through with a program that should be very interesting. Thanks John.

The unpaid endorsement of the month is for Bruce's Custom Covers in the bay area. They were offering an internet Sun-N-Fun 20 percent off discount last month. I jumped on it for my RV-8, they had the cover in yellow and threw in putting my N number on the cover. It was shipped in three weeks in a spiffy carrying bag and I am 100 percent happy with their product and service.

*Curtis*

## MEETING LOCATION CHANGED

### *IMPORTANT -*

The May meeting will be at the **Paradise Valley Community Center, 17402 North 40th Street**. It is on the west side of 40th Street just north of Paradise Valley High School. Basically 1/4 mile north of Bell on 40th Street. We will meet in one of the smaller rooms as the large room is booked with another event. You can park on the south side of the building and have more parking options that are closer to the door. Look for the new fancy signs.

## MAY CHAPTER MEETING

The May meeting of Thunderbird Field EAA Chapter 1217 will be held on Thursday, May 16th, beginning at 7 pm. This month's speaker is Kelly Sallaway, who's producing *Patriot Skies* about Falcon Field during WWII. John Washington was a big help in arranging for her to talk. Everyone should note that this month's meeting will be at the Paradise Valley Community Center, 17402 North 40th Street location.

Guests are always welcome!

## ABOUT OUR SPEAKER

Kelly Sallaway is a Scottsdale-based TV and Film Producer. Sallaway specializes in unscripted formats like Docu-series, reality a Documentary. She works as a Freelance Producer for Cox Creative Studios in Arizona and has filled roles as a Producer, Production Supervisor, Production Manager, Casting Recruiter and Fixer for multiple projects on Network and Cable outlets including: Fox, MTV, NBC and Discovery.

Sallaway supervised the production of four Documentary films produced in Dar Es Salaam, Tanzania, Africa including the award

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winning short *Girls Like Us*. Her current projects are the Bio-Doc, *Prairie Prophecy* and the WWII Historical Documentary *Patriot Skies*.

*Patriot Skies* will chronicle the history of the Royal Air Force in America during the Second

World War and particularly the stories of the over 2,000 RAF cadets who trained at Mesa's Falcon Field. Kelly Sallaway will speak about *Patriot Skies* and share some aerial footage filmed for the upcoming project.

<http://www.patriot skies.com/>

# PATRIOT SKIES



**JOIN US MAY 16, 2019**

**AT  
7:00PM**

**PARADISE VALLEY COMMUNITY CENTER  
17402 NORTH 40TH ST.**



Guest Speaker  
Documentary Film Producer  
Kelly Sallaway



**PATRIOT SKIES**

## **MAYDAY MAYDAY FLY-IN / DRIVE-IN**

The 20th annual Thunderbird Field EAA Chapter 1217 Mayday Fly-In / Drive-In was a complete success! Temperatures were in the mid-eighties with light winds. Jack Pollack stepped up again and hosted this year's event at his Deer Valley north side hangar 31-08.

Things got underway around 11 am with planes arriving and setup. There was a Onex, Skybolt, Chipmunk, Swick-T,

Taylorcraft, RV-8, Legend Cub, and a CJ-6A on display for everyone to check out.

A big thanks goes out to Dean Guilderoy for loaning us all the tables and chairs. Also thanks Brian Ryckman for providing the large grill. Jack Pollack and especially his wife Clare who pre-made all the burgers at home using her secret recipe. Also thanks to our Chef Brian Mitchell. Chris Clark made the Costco run for drinks and food, and last but

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not least Gavin Mitchell was our gate guard putting a bunch of miles on his roaring around on his scooter.

## NAVYS P-3C ORION RETIRED

The Navy's P-3C Orion maritime patrol aircraft has embarked on its sundown deployment with Patrol Squadron 40. It's been 50 years since the P-3C Orion first took flight for the Navy.

Since then, the hulking aircraft has flown missions during the Vietnam War, Operation Desert Storm, and in Iraq and Syria against the Islamic State; participated in countless search and rescue efforts, and created an invaluable network of intelligence, surveillance and reconnaissance data.

At the end of March, the "Fighting Marlins" of Patrol Squadron 40 began shipping out from Naval Air Station Whidbey Island in Washington state, destined for Bahrain's Sheik Isa Air Base and Okinawa's Kadena Air Base, taking with them the Navy's longtime workhorse for its sundown deployment.

Designed to replace the P-2 Neptune, Lockheed Martin's P-3A first entered the Navy in 1962.

"We intend to honor the platform's final deployment by living the legacy of all those that have gone before us and continuing to fight to the finish," Cmdr. Patrick O'Reilly, VP-40's commanding officer, told the Whidbey Island news. The Orion, meanwhile, "had its challenges," O'Reilly conceded, especially in recent years due to the strain of a surging tempo of operations, but sailors fought them "with exceptional results" and he remains proud of what Patrol Squadron 40 accomplished in the plane.

"Even when the aircraft fought against us, even when the tempo was high and the days were long, we continued to fight," he said.

Despite VP-40 closing the door on the Orion's active-duty service, two Navy Reserve squadrons — NAS Jacksonville's Patrol

Squadron and Whidbey Island's Patrol Squadron 69 will continue flying the plane.

The last P-3C Orion is expected to be phased out in 2023, ending more than six decades of service for the line of aircraft.



**Brian Mitchell & Clare Pollack Burger Makers Extraordinaire**

## GLASAIR THREE FOR SALE

Chapter member Lynn Babcock has decided it's time to sell his Glasair III. This aircraft has every upgrade from speed brakes to air conditioning and cruises at 220 kts. He is asking \$215,000 which is a bargain when you look at the prices on Barnstormers. Recent sales are in \$230,000 range and one is listed at \$279,000. Lynn is the original builder and the plane has been based at Scottsdale Airport its entire life. Give Lynn a call at 480-227-5945.

See photos on page 4



**Lynn Babcock's Glasair III is For Sale**



**Glasair III Panel**



**EAA Chapter 1217 Members enjoying the MayDay Feast**



**Hannah Mitchell tries on the Chapter 1217 Triplane at the MayDay Fly-In**



## Dornier Orca

### NEW DORNIER SEAPLANE

Dornier Seawings is introducing a new product line purely for governmental operators: the Orca, which the company says will be the world's most advanced amphibious mission platform.

The Orca is a follow-on to the superior design concept of the Seastar, Orca has the same features and advantages but optional internal and external mission equipment stations. The main concept of the Orca is to enhance typical maritime security missions, while merging seaborne and airborne operations, making it a more superior alternative to rotor wings.

The Orca can be typically equipped with camera and radar systems for search and surveillance, stretchers for medical evacuation and self-protection items for defense purposes. The aircraft can be highly customized and ideally suited to the current operational profile and demand.

Dornier Seawings is in negotiation with several governmental marine departments,

which have shown serious interest to use the Orca to ensure a high level in maritime security aspects.

The new airplane is also useful for analyzing plastic garbage in the ocean, where typical seaborne assets can't provide research on a daily basis. The in-water plastic analysis could become an important first step towards the successful reduction of plastic waste that ends up in the ocean by defining the waste origins and the right countermeasures.

Besides being equipped with the most modern systems, the Orca also features an all-composite airframe which make it corrosion-free even in a salty environment. It can handle rough sea conditions with its boat-shaped fuselage and water surface optimized design elements. Due to an efficient combination of 5-blade propellers and powerful turbine drive, the Orca is economical efficient and the fastest amphibious in its class.

It is expected that first Orcas will be ready to enter service in 2022



## DELTAHAWK ENGINES

After years of designing, refining and testing a new type of aviation engine, the owners and executives at DeltaHawk Engines believe they'll start producing and selling engines later this year. For thirty years they have been flying their engine on a Piper Arrow that you might have seen at fly-ins.

DeltaHawk is a privately held developer of general aviation engines, whose majority owners are Alan and Chris Ruud of the former Ruud Lighting. When the Ruuds bought into the company in 2015, Doug Doers —one of DeltaHawk's founders, who led the engine design and engineering —said "This gives us the means to get the engine into production."

Now, DeltaHawk executives are confident they will reach that stage this year. Company employment has grown from three when the Ruuds entered the picture to 45, and DeltaHawk is actively hiring. Most of those people are skilled engineers and different types of technicians.

"We struggled for many years because of a lack of funding," Dennis Webb, director of marketing and certification, said. "And we made false promises — not on purpose."

"Alan and Chris Rudd are known for growing businesses and, specifically, being market disrupters. The lighting business they fundamentally changed, both through how they went to market and adopting LEDs before anybody else," Webb said. "And Al is a passionate aviator. He saw this (DeltaHawk engine) as a market disrupter to aviation."

Webb said the DeltaHawk engine design is pretty well finished, so now the company is doing testing and Federal Aviation Administration certification, which Webb said will be completed this fall. "Before, we thought we knew where we were at; now we know where we're at," Webb said. "We have passed some very brutal tests that we know pass FAA standards and regulations. We still have to show it to the FAA, but we've done the internal tests to show that we pass it

structurally, and we pass it performance-wise that's why we know we're going to get done.

"Literally every day I have communication with the FAA. It's not like they're going to walk in one day and say, 'What's this?'"

Another part of the process, he said, is FAA production certification. "Very simply, it's 'Your design meets regulations; now show us that you can make one of those every time.'"

Company executives expect to start slow production this fourth quarter, then ramp up production next year. Webb estimated they may need 30 to 40 additional employees when they start production, and DeltaHawk Chairman Alan Ruud said he expects they will employ hundreds of people within a few years.

The engines will be manufactured in cells — not assembly-line style. Well before DeltaHawk manufactures its first engine for sale, it has a reputation, Webb said. "I think in the general aviation world, our market space, which is light aircraft, I would say people are very aware of us," he said. "Within the aircraft builders, they all know of us, for sure."

With the Ruuds' financial backing, DeltaHawk has been acquiring highly sophisticated equipment and rebuilding parts of its 72,000-square-foot building. Those investments include fixed-engine dynamometers, propeller dynamometers, data collection and analysis systems, a coordinate measuring machine that can measure to two-millionth of an inch, a clean room for assembling precision components, engineering analysis tools and a new fabrication shop. A new research-and-development center also is planned.

"And things you can't see as physical things," Webb added, "and that's extraordinary investment in computer simulation tools; we have state-of-the-art stuff, so that we can completely simulate what our engine will run like at this altitude, at this temperature, at this fuel flow, you know what it's going to do." For more information visit [www.Deltahawk.com](http://www.Deltahawk.com)

# ThunderAds

## **ONEX, WELL-EQUIPED LSA FOR SALE**

ONEX, folding-wing, fighter-like, single-seat, tricycle-gear LSA, an 85%-scale Sonex. Powered by 100 HP, turbo-charged VW engine. Dynon SkyView, 2020-compliant ADS-B Out avionics. IPad for navigation fits in center console. With wings folded, Onex shares space in small T-hangar behind one wing of RV-12. Denny Myrick 480-213-4906. [Dennymyrick@me.com](mailto:Dennymyrick@me.com)...

## **COOL PLANES FOR SALE**

Only flown by little old ladies to church on Sundays. <http://captainbillywalker.com/aircraft-for-sale/aircraft-for-sale>

## **CESSNA 172'S FOR RENT**

Two IFR Cessna 172s for rent at Chandler. Owned by Chapter member Pat McGarry. Contact Chris Hoel for more information and to schedule [birdgangft@gmail.com](mailto:birdgangft@gmail.com)

Space available for ads, send us yours

## **RV-4 PARTIALLY BUILT KIT**

\$13,500 Lycoming O-290-D2, kit for \$3,000 or \$16,000 for both. Bill Refrow 602-843-9862 [w7lov@cox.net](mailto:w7lov@cox.net)

## **LYCOMING O-360 A1A**

Engine built up for RV project never completed. Invested \$50,000. Price very firm at \$25,000. Martin Del Giorgio [delgiorgiopels@gmail.com](mailto:delgiorgiopels@gmail.com)

## **GARMIN GDL39 PORTABLE GPS**

ADS-B Receiver with free Weather and Dual-Link Traffic. Battery Pack with extra Battery included. Works with all Apple Products. Brand new in the box, \$400. Ken Roth 602-228-5000, or e-mail: [RothDevCor@aol.com](mailto:RothDevCor@aol.com)

## **SERVICES, ETC.**

### **High-Perf Tailwheel & Akro Instruction**

Pitts, Skybolts, all experimental tailwheel aircraft. 46 year's experience. Scottsdale Airport Budd Davison, Plus-5 Aviation, 602-738-2045, [www.airbum.com](http://www.airbum.com), [buddairbum@cox.net](mailto:buddairbum@cox.net)

### **OIL COOLER REPAIR AND SALES**

Chapter member owned. R & E Cooler Service 800-657-0977 [www.oilcoolersvs.com](http://www.oilcoolersvs.com)

### **FLIGHT INSTRUCTION, ETC.**

Fred Gorrell Designated Pilot Examiner: Airplane: Private, Commercial, Instrument, ATP, ME and Lighter than Air: Private and Commercial. 602-942-2255, 602-418-2045, [fgorrell2@cox.net](mailto:fgorrell2@cox.net)

### **HOMEBUILT AIRCRAFT CERTIFICATION**

ABDAR Gary Towner 928-535-3600

### **ANNUALS, RESTORATIONS, FABRIC WORK**

Eloy Airport Julie White 520-466-3442

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