

THE LEADING EDGE

NEWSLETTER OF MUROC EAA CHAPTER 1000

Voted to Top Ten Newsletters, 1997, 1998 McKillop Award Competition

President	Gary Aldrich	661-609-0942
Vice-President	Hellmuth Steinlin	760-963-5445
Secretary	Kent Troxel	661-947-2647
Treasurer	George Gennuso	661-265-0333
Newsletter Editor	Russ Erb	661-754-0524

<http://www.eaa1000.av.org>

August 2019

Chapter 1000 meets monthly on the third Tuesday of the month in the USAF Test Pilot School Scobee Auditorium, Edwards AFB, CA at 1700 or 5:00 PM, whichever you prefer. Any changes of meeting venue will be announced in the newsletter. Offer void where prohibited. Your mileage may vary. Open to military and civilian alike.

This Month's Meeting:



BASEBALL NIGHT!

Monday, 26 August 2019

1800 hrs (6:00 PM Civilian Time)

Jethawk Stadium (45116 Valley Central Way)
Lancaster, CA



This month's meeting will be held at **The Hangar**, also known as **Jethawk Stadium**, home of the **Lancaster Jethawks**, Class A-Advanced Affiliate of the Colorado Rockies.

Come and cheer for the home team as we battle the Lake Elsinore Storm, Class A-Advanced Affiliate of the San Diego Padres.

Parking is \$5 per car, or free if you park in the Cinema parking lot across the street and walk in.

The intermittent Promotion of the day (iPod) will be all craft beers will be \$2 off in the Golden Road Brewing Beer Patio. You can bring your dog for free, though Pixel won't be there, since her minions will be in New Jersey.

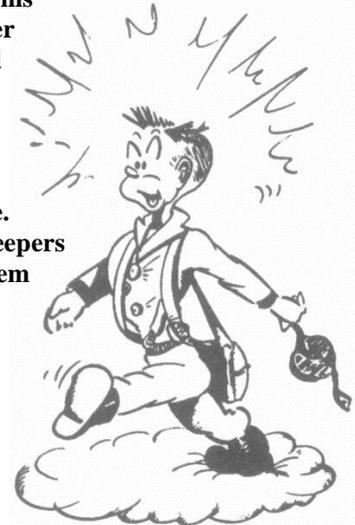
Once again we have gained access to the Sky Box as in past years. You and your guests are directed to assemble under the F-18-on-a-stick outside the main gate at **1815**. As you join the gaggle, say to someone in the gaggle in a hushed voice "**Nuclarr is spelled with 2 r's**". Don't try that cliché passphrase "Swordfish" as it has been overdone. As any chef will tell you, any fish that is overdone will taste nasty. For extra fun, say the pass phrase to some random person walking by. After **Knife** gives you a knowing nod, you will be handed your ticket to the Sky Box. Act like nothing is unusual and proceed to the gate. Your ticket is provided to you free of charge by the City of Lancaster. Your food, beverages, and souvenirs are on you. The game begins promptly at 1835 -0/+10 hours.

If you arrive late because your debrief ran long or you still haven't learned how to show up on time at your advanced age (how embarrassing!), call Kent at **661-886-3740**, and if he's not too grumpy he will send someone down to you.

Remember that **Knife** is a certified ball magnet, so bring your protective gear if you sit next to him.

TAKE NOTE: This meeting is six days later than our usual third Tuesday gathering. If you come on 20 Aug you'll get a great parking spot, 'cause no one else will be there. Maybe the grounds keepers will let you help them water the infield.

- Erbman
Subbing for the Vice Kommandant (who doesn't understand baseball...apparently they didn't play the game at the French Foreign Legion compound)



Last Month's Meeting

EAA Chapter 1000 individually

Your Workshop

Your Location

16 July 2019

You, Presiding

Last month you were tasked to do something aviation oriented during our normal meeting time while the **Kommandant, Opie and Gail Dodson, and Stormy** were on their way to the big **AirVenture 2019** show. I would remind you in this space about what you did, but **YOU** didn't bother to submit a report. Well, I guess now we know who **Evil Editor Zurg** can count on. Why do you continue to disappoint? **EEZ** says he will forgive you if you take him flying in your homebuilt aircraft you're supposed to be building.

I don't know if any of this is true since I didn't really say anything.

- Erbman

Emergency Backup Minister of Propaganda

Chapter 1000 of the Experimental Aircraft Association of these United States of America and Occupied Territories

"We have more zeroes in our chapter than any other!"

Kommandant's Korner

Hope you've had excellent aviation-related adventures so far this Summer! Mine were hampered a bit by my (previously reported) medical issue but



I was able to sneak in a trip to NoCal to visit family as detailed in last month's 'Edge and, of course **PPO JD3** and I made our biennial (biannual?) pilgrimage to Mecca...er, **AirVenture**. I could spend the rest of this K^2 recounting that trip but since it is the subject of a future meeting I guess you'll just have to remain sitting on the edge of your seats. I will say that the trip presented a minimal amount of drama of either the mechanical or meteorological persuasion. Further, the weather in Oshkosh for the time we were there (Sunday to Friday) was some of the mildest and most pleasant I've seen in all my visits. I guess they pulled out all the stops for the "50 Years in OSH" event. According to eaa.org attendance was up over six percent. Other statistics were up as well and documented proudly on the website.

I arrived in Wisconsin with limited shopping goals, though I tried to keep an open mind and wallet if something or some deal was just too good to pass up...say, Garmin handing out souvenir G5s with their breath mints. I did do some research into powered airplane tugs while I was recuperating in June/July. Then, I searched out those

vendors who had displays at the show. Turns out that the field of acceptable tow things is somewhat limited by my "conventional gear" configuration. A handful of vendors had tugs specifically designed to move taildraggers, or had modifications to their standard units to do the job. There was also a choice between gasoline and electricity for motivation. After visiting the vendors and laying eyes on their wares, I pretty much decided the "Best Tug Alpha 3" electric tug was the unit that met my specifications. This company, "Best Tugs" (www.besttugs.com) prides themselves in the quality of workmanship and materials in their well-designed American-made machines. Unfortunately for the consumer, this pride also extends to the price of the tugs. The afore-mentioned Alpha 3 with its 3600 pound capacity runs around \$3400. Thus, I left the show wiser, but tug-less. At least I know that when I get to the point that the VC-180 is too hard for me to move in/out of Hangar 703, I have a high-quality unit I can order to do the job.

By Thursday afternoon about all I had purchased were souvenir t-shirts for Mrs. Kommandant and the First Dog and a few ice cream snacks. This was shaping up to be the least drain on my budget of any recent AirVenture. Then, I wandered by the Mid-Continent Instruments (www.mcico.com) booth.... They were showing off their line of mechanical and electronic instruments and other gewgaws for the modern instrument panel. As you know, I have a Mid-Continent "Lifesaver Gyro" top-center in my panel that was installed as part of the "electric Skywagon" mod a few years back. I am very pleased with the instrument and that it boasts a standby battery system. Before the recent introduction of less-costly certified electronic attitude displays, the Lifesaver was the hot ticket. Another MCI gadget I have is their "True Blue" USB charging port. I installed an early version in the hole left by the Cessna "cigar lighter" which supplies 2.1 amps, simultaneously, to two USB-A female ports. This provides continuous charging capability for the personal electronic devices we all have and love. In my case, my iPad mini version 5 running the Garmin Pilot App will chug along without draining its on-board battery. At the same time, Anne can keep her iPhone or iPad charged up for the necessary gaming/Facebook activities. It was a good, though pricey choice.

Well, their NEW, IMPROVED product is a higher-power, dual port charging system...built into a 2 inch round Digital Clock! It's designated the MD93-2 unit and its charging circuits provide the 3.0 amps required for the rapid-charging feature of the latest models of



smart phones and tablets. In keeping with my reputation, I took advantage of the "show special" and bought a unit from Spruce. They kindly waived tax and shipping as they had none in stock at the show. During the Fightin' Skywagon's annual inspection this past week, I surgically removed the Davtron M800 LCD Chronometer and

installed the new MD93-2 in its place. The new clock retains all the capabilities of the older Davtron unit and has an internal “keep alive” battery so that it doesn’t have to be connected directly to the ship’s battery. Now, N2705K has FOUR USB charging ports, allowing the crew to charge/operate two devices each. How’s that for powerful? The Davtron, by the way, is available to go to a good home...if you can supply it with 28 volts. More info on the show and the traveling adventure in September. Until then...

Fly Safe and Check 6!

- Gary Aldrich
Kommanding

Pearl Harbor Aviation Museum

We know that you have been wanting to visit the **Pearl Harbor Aviation Museum** on Ford Island in the middle of Pearl Harbor, but you just haven’t made it out there yet. Fortunately, our **Kommandant**, magnanimous man that he is, has taken one for the team and visited the museum for you. What a guy! Here is some of what he saw.



Mrs. Kommandant doing her best Chapter 1000 point at the entrance to the Pearl Harbor museum complex



Polaris and Poseidon gate guards



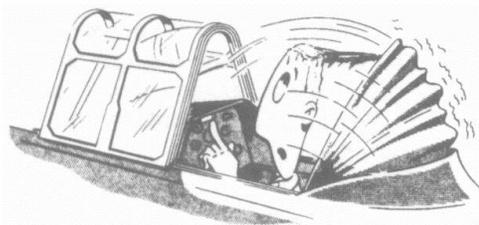
Mark 14 steam powered torpedo. Initial design issues gave way to very effective mainstay naval anti-shipping weapon



Regulus Surface-to-Surface missile designed for launch from submarines



USS Bowfin – most common model of US submarine in WW2





USS Missouri (left) and USS Arizona Memorial Arch



Mrs. Kommandant photobombing an idyllic pre-Dec 7 beach scene



Kommandant visits 1930s Waikiki



Mitsubishi A6M2 Type O Model 21 Zero



Dru Blair painting "Pearl Harbor 0755"



Attorney and future Territorial legislator, Roy A. Vitousek, and his son Martin took an early morning flight over Oahu on December 7, 1941. Their pleasure trip was cut short when they spotted 12 Japanese aircraft in the skies around them. Vitousek landed this Aeronca 65TC safely at John Rodgers Airport (now Daniel K. Inouye International Airport). The pair exited the aircraft just after 8:10 in the morning, and hid in the bushes along the runway to avoid enemy fire.



Replica P-40B of the type flown by 1Lt George Welch and 1Lt Kenneth Taylor on 7 Dec 41



Unrestored B-17E "Swamp Ghost" as found on New Guinea in 2006



This Nakajima B5N2 Kate is the most intact aircraft of its kind in the world today. It likely saw active combat in the Pacific Theater. Many years after the end of WWII, this Kate was discovered in the South Pacific. Souvenir hunters cut away at the body and wings of this Kate, leaving the damaged skeleton you see here. After this Kate arrived at the museum, the volunteers and staff of the Restoration Shop began to piece it back together. This pre-restoration assembly consists of the main fuselage, wing base, and port wing tip. The emblem of the IJN Rising Sun is still visible on the underside of the wing, despite long exposure to harsh light and water.



Douglas SBD Dauntless – 18 aircraft on a training mission on 7 Dec 41 encountered the Japanese attack. Four SBDs were shot down (one by friendly fire)



F4F Wildcat dispatched from USS Enterprise to (unsuccessfully) locate the Japanese attack fleet



The sign reads "On Dec. 7, 1941...A young female flight instructor escaped the Japanese attack, a feat that became celebrated in wartime publicity and in the movies. She then joined an all-woman group of pilots, flying military aircraft. She died doing what she loved, for the country she loved. Cornelia Fort was a trailblazer of aviation history—and a government secret."



Future President George H. W. Bush flew this N2S-3 Stearman Kaydet on Dec. 15, 1942 during his basic training



B-25B of the type flown by the Doolittle Raiders in April 1942



Postwar “control tower/water tower”



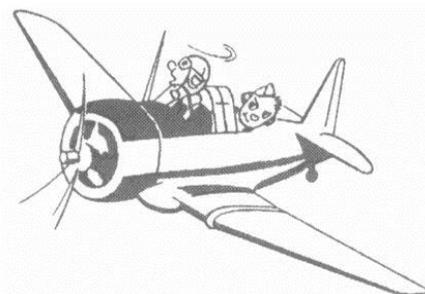
Mike Machat is thinking “I wonder how much it would cost to restore it to flying condition”



Stinson L-13 Grasshopper



F-86E Sabre “Nina II” – presumably Cobra’s F-35 is “Nina III” or later





Douglas C-47 Skytrain



Royal Australian Air Force F-111C



PAVE TACK pod extended on the F-111C. This appears to be the Disney sponsored version



Convair F-102 Delta Dagger with AIM-4 Falcon missile



Strange sighting device (and drag producer) on the F-102



Republic of Korea (South Korea) F-5A

Did You Miss AirVenture? Wish You Could See What Happened?

This year EAA went all in on making AirVenture available to those of us who couldn't be there in person. In past years they had two or three webcams streaming on the Internet so you could see how many airplanes were there and watch people walk around. This year they started distributing the streams on YouTube.

But this year they went way beyond just webcams. This year featured live streaming of the daily airshows and the night airshows. All of the Theater In The Woods programs were streamed live. Staffers would walk “Around the Grounds” streaming live so that you could see it as though you were there.

So if all of this was streamed live, why am I telling you this weeks after the event? Because it was streamed on YouTube, YouTube recorded it at the same time. Therefore, you can go to YouTube and search for “EAA Live”. You will find a plethora of videos waiting to keep you entertained for hours. Not quite the same, but much cheaper than AvGas.

- Erbman

**Museum Of Flying 2019 Aviation Expo
18 August 2019**

Can't find that elusive model kit you've been searching for on eBay? Need an aviation gift for a special occasion? Just want to bask in aero nostalgia for an afternoon? Then come to the first-ever Aviation Expo and Collectibles Swap Meet at the Museum of Flying in Santa Monica, Sunday August 18th from 10:00am to 5:00pm. This will be a premier show with vendors from all over the U.S. selling the very best in rare and unique aviation models and memorabilia!

Our 66 vendor tables are sold-out, and good food is available all day at the Spitfire Grill restaurant, a three-minute walk from the show.

Ample parking is available at several lots adjacent to the Museum.

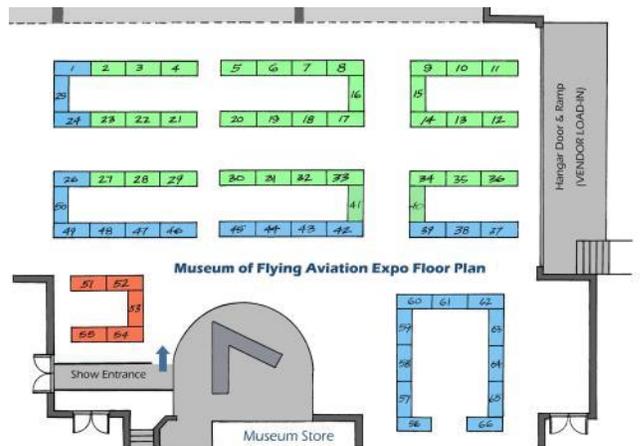
You can pre-purchase your tickets (\$10) online at <https://www.museumofflying.org/event/2019-santa-monica-aviation-expo/>
<http://museumofflying.org>



It's 1960 all over again! Get three (yes, 3!) Supersonic Jet Fighters! Can you name them all?



It seemed like a good idea at the time. Landings were the aviation equivalent of parallel parking...



Layout of the Expo

(Don't forget to take time to look around the museum and see the cool things that Mike has done to make the place better!)

- Mike Machat

Web Site Update



Just a reminder that the EAA Chapter 1000 Web Site is hosted courtesy of Quantum Networking Solutions, Inc.

You can find out more about Qnet at <http://www.qnet.com> or at 661-538-2028.

MUSEUM
OF
FlyingSM



2019 AVIATION EXPO

**SUNDAY, AUGUST 18
10:00 AM TO 5:00 PM**

"\$10 All-day Admission to Museum & Expo"

*The Museum of Flying,
3100 Airport Ave.
Santa Monica, CA 90405*



**Airline & Military | Aircraft models | Kits |
Books | Collectibles | Artwork | Memorabilia | More!**



Chapter 1000 Calendar

EAA Chapter 1000 Board of Directors Meetings are now held on an unscheduled, as needed basis. If you need to know when, you're already on the e-mail notification list. (661) 609-0942

Aug 26: EAA Chapter 1000 Baseball Meeting, 6:00 p.m., The Hangar, Lancaster CA. (661) 609-0942

Sep 17: EAA Chapter 1000 Monthly Meeting, 5:00 p.m., Edwards AFB. USAF Test Pilot School, Scobee Auditorium. (661) 609-0942

Oct 15: EAA Chapter 1000 Monthly Meeting, 5:00 p.m., Edwards AFB. USAF Test Pilot School, Scobee Auditorium. (661) 609-0942

Nov TBD: EAA Chapter 1000 Monthly Meeting, 6:30 p.m., Flying Dog Ranch, 4400 Knox Ave, Rosamond CA. (661) 609-0942

Dec 17: EAA Chapter 1000 Festivus Etc Celebration, 6:00 p.m., Kommandant's Kwarters, 42370 61st Street West, Quartz Hill CA. (661) 609-0942

Jan 21: EAA Chapter 1000 Monthly Meeting, 5:00 p.m., Edwards AFB. USAF Test Pilot School, Scobee Auditorium. (661) 609-0942

Feb 18: EAA Chapter 1000 Monthly Meeting, 5:00 p.m., Edwards AFB. USAF Test Pilot School, Scobee Auditorium. (661) 609-0942

Mar 17: EAA Chapter 1000 Monthly Meeting, 5:00 p.m., Edwards AFB. USAF Test Pilot School, Scobee Auditorium. (661) 609-0942

Apr TBD: EAA Chapter 1000 Monthly Meeting, 6:30 p.m., Flying Dog Ranch, 4400 Knox Ave, Rosamond CA. (661) 609-0942

May 16: EAA Chapter 1000 Annual Aviation Event, currently accepting ideas for activities. (661) 609-0942

Jun 16: EAA Chapter 1000 Monthly Meeting, 5:00 p.m., Edwards AFB. USAF Test Pilot School, Scobee Auditorium. (661) 609-0942

Jul 21: CNX EAA Chapter 1000 Monthly Meeting, Cancelled in lieu of AirVenture. (661) 609-0942

Jul 20 - 26: EAA AirVenture 2020. Oshkosh WI.

To join Chapter 1000, send your name, address, EAA number, and \$20 dues to: EAA Chapter 1000, George Gennuso, 3119 Lennox Ct, Palmdale CA 93551. Membership in National EAA (\$40, 1-800-843-3612) is required.

Contact our officers by e-mail:

President/Flight Advisor Gary Aldrich: gary.aldrich@pobox.com

Vice President Hellmuth Steinlin: hellmuthsteinlin@hotmail.com

Secretary Kent Troxel: kenttroxel@sbcglobal.net

Treasurer George Gennuso: knife.pulsar1@gmail.com

EAA Chapter 1000 Technical Assistants

<i>Composite Construction</i>		
George Gennuso	pulsar1@sbcglobal.net	661-265-0333
Brian Martinez	brianmmartinez@aol.com	661-943-5379
<i>Wood Construction</i>		
Bob Waldmiller	bob@waldmiller.com	661-816-7224
<i>Aluminum Sheet Metal Construction</i>		
Bill Irvine	wgirvine@yahoo.com	661-948-9310
Russ Erb	erbman@pobox.com	661-256-3806
<i>Welding/Welded Steel Tube Construction</i>		
Russ Erb	erbman@pobox.com	661-256-3806
<i>Engine Installation</i>		
Russ Erb	erbman@pobox.com	661-256-3806
<i>Electrical Systems</i>		
Russ Erb	erbman@pobox.com	661-256-3806
<i>Instrumentation and avionics requirements for VFR/IFR</i>		
Gary Aldrich	gary.aldrich@pobox.com	661-609-0942

Inputs for the newsletter or any comments can be sent to Russ Erb, 661-256-3806, by e-mail to erbman@pobox.com

From the Project Police legal section: As you probably suspected, contents of The Leading Edge are the viewpoints of the authors. No claim is made and no liability is assumed, expressed or implied as to the technical accuracy or safety of the material presented. The viewpoints expressed are not necessarily those of Chapter 1000 or the Experimental Aircraft Association. Project Police reports are printed as they are received, with no attempt made to determine if they contain the minimum daily allowance of truth. So there!

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MUROC EAA CHAPTER 1000 NEWSLETTER**

**C/O Russ Erb
3435 Desert Cloud Ave
Rosamond CA 93560-7692
<http://www.eaa1000.av.org>**

ADDRESS SERVICE REQUESTED

**THIS MONTH'S HIGHLIGHTS:
BASEBALL MEETING! MONDAY 26 AUG
OSHKOSH SPENDING
VISIT PEARL HARBOR AVIATION MUSEUM
2019 AVIATION EXPO SANTA MONICA**

