



# EAGLE

## ESTRELLA WARBIRDS MUSEUM/WOODLAND AUTO DISPLAY

### PASO ROBLES, CA 93446



REMEMBERING THE PAST/INSPIRING THE FUTURE

VOL 30 NO 4 APRIL, 2021

### PREZ SEZ

### PRESIDENT ROB KINNEAR

As they say “Spring is Sprung” and it’s looking better. The number of visitors is staying solid, and as the world gets better, I expect we will see more coming to see what we have here at Estrella. We are also seeing new volunteers signing up to join us.



At the March 2021 Dinner Meeting, we gave out awards to our volunteers and staff for 2019 and 2020 (see page 7). It was a little late due to the pandemic and other things we could not control. We strive to recognize people at Estrella Warbirds who consistently work to keep our museum open and vibrant and we really appreciate them. We will soon be recognizing twenty volunteers who worked for over 100 hours in 2020. Every single one of our volunteer team kept us going through this difficult time. To all of you: *Thank You Very Very Much!*

Dinner meetings are back and should be a usual event again. Please make your reservation as soon as possible. Remember we order meals based on the reservations that come in by telephone or on-line.

We had to postpone Warbirds Wings and Wheels to October 2021 again. We’re going to have a swap meet in May 2021. Look for more information in the future.

The Museum is a safe and fun place to visit and volunteer. We are working hard to keep it that way. Volunteer when you can. Bring a friend. Be safe, well and have fun. —Rob Kinnear



**Curatorial** is working on a WWII artillery diorama near the entrance of the museum. Our M-101 105mm Howitzer is positioned with a Willys Jeep from the era, that will be enhanced by artifacts and scenery to depict a fire mission about to be conducted. Thanks to Scott Stelzle and Ron Brooks for their manpower and Ken Neuman for helping me complete the scene. Stay tuned!

—By Dr. Jill Thayer



The **Jim Stainbrook Memorial Kiosk** has a new location at the east side of Hind Pavilion.

Thanks to **Rob Kinnear and John Madden** for work in refurbishing, and to **Scott Stelzle and Ron Brooks (pictured above)** for relocating teamwork. Curatorial will install museum information, events, artifacts, and list business sponsors once the project is completed.

# Restoration Corner

## F-5, Bomb Truck



Ken Trefftz Tapes the Red Star on The Aggressor F-5 Vertical stabilizer (tail)



F-5 IN CAMO PAINT



Carl and Howard tighten chute dispenser



Howard

Carl Robbins



Dennis Johansen (relaxing) and Ken Trefftz apply facial makeup to F-5 Aggressor Freedom Fighter



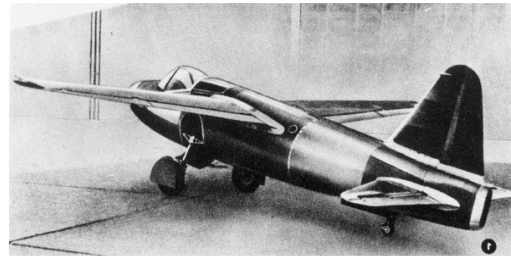
Dale mounts rehabbed brake drums to Ford Bomb Truck



Mike Brophy grinds gas tank frame on side of Bomb Truck

## LIBRARY QUIZ — POWER PLANTS

1. In 1936, Rolls-Royce produced a liquid-cooled, v-12 piston engine with 1,650 cu IN. it was the:
  - a) PV-12
  - b) Meteor
  - c) Merlin
  
2. A key to the success of the Spitfire was a supercharged engine which:
  - a) Allowed the engine to develop maximum horsepower at about 16,000 ft
  - b) extended its fuel consumption at full power
  - c) enabled the Spitfire to out climb its German opponents
  
3. The Saturn V launch vehicle propelled America's Astronauts to the moon. Its massive first stage was powered by 5 Rocketdyne F-1 engines, each one developing:
  - a) 300,000 lbs of thrust at sea level
  - b) 1,578,000 "
  - c) 500,000 "
  
4. The jet turbine engine was first envisioned as early as 1910  
True or False
  
5. The first public flight of a jet aircraft was in:
  - a) 1942 by the bell xp-59A
  - b) 1939 by the Heinkel-178
  - c) 1941 by the British Gloster E
  
6. The Convair B-36 was unique in many ways. Which statement is NOT correct??
  - a) Its six Pratt & Whitney R-4360 engines were mounted in a reverse "pusher configuration"
  - b) Beginning with the B36D, 2 General Electric J-47-19 jet engines were added to each wing.
  - c) The radial R-4360 engines were prone to catching fire. This was exasperated by carburetor icing due to the rear placement of the engines.
  - d) The J-47's were only used to increase speed over target.
  
7. The Wright Flyer of 1903 was powered by:
  - a) A borrowed Peugeot auto engine
  - b) A tractor engine
  - c) A purpose designed and built engine by the Wright brothers
  - d) Industrial sized rubber bands
  
8. Jet powered flight first occurred by:
  - a) Heinkel He 178 in 1939
  - b) Whittle designed Gloster Meteor 1941
  - c) Steam-propelled flying "pigeon: designed by Archytas circa 325 BC
  
9. All general aviation piston engines which power factory designed and built aircraft, are 4 stroke and air cooled.  
True or False
  
10. Human powered aircraft have been designed, built and flown  
True or False



Answers on page 8



Estrella Warbirds Museum is accepting donations for a seat on a once a month flight on board the **restored C-47B Betsy's Biscuit Bomber**. The donation to the museum is **\$150 per person**, and must be purchased in advance. Flights will be offered on the third Saturday of each month beginning February 20, 2021. This is the same aircraft that returned to Europe two years ago, along with a fleet of C-47's, part of the 75th Anniversary of the Normandy Invasion. This is your opportunity to make a donation and take the flight of a lifetime! Make your reservation **today!** →

→ Flights are scheduled for the third Saturday of each month, subject to weather or mechanical/maintenance restrictions. \$150 pp

**Contact Ken Neuman at  
805 238-9317**

**On Line: [ewarbirds.org](http://ewarbirds.org)**

## HISTORY LESSON STARRING BOEING 707:

**Boeing President Bill Allen** gambled in the early 1950's, when he directed the company to invest \$16 million in the Dash 80 jet prototype, before a single customer had committed to buying the **next-generation airplanes** it would spawn: **the KC-135 military tanker and the 707 airliner**. When Pan Am placed an order for twenty 707s in October 1955, Allen won the bet. Led by Maynard Pennell, a manager on the B-29 Superfortress, the 707 program made rapid transatlantic crossing available even to middle-class Americans, while supplying an instantly recognizable symbol of American ingenuity. It had the largest passenger cabin in the sky, with 100 windows, enough that every row would have a window, no matter how the seats were arranged. Pan Am's Juan Trippe offered to pay Boeing a bonus of \$25,000 for each month ahead of schedule that Pan Am took delivery. He got the first production 707 in just under eight months after the design's first flight, on December 20, 1957. The future was in no mood to wait.



The US Army Band on the tarmac at Idlewild Airport in New York, serenaded passengers as they boarded the Boeing 707-320 Aircraft Clipper America for its maiden flight on October 26, 1958 to Paris, France. This happened only 10 days after the Company delivered the airplane to Pan Am.

Air and Space Magazine - March 2019



## Curator Finds

Dr. Jill Thayer PhD.



EWM President Rob Kinnear and his grandson Ian helped me transport a selection of military uniforms from storage to another building on campus, while we await the completion of our new Curatorial Archival Facility.



A big thanks to Richard and Terry Johnson who donated artifacts that belonged to Richard's great grandfather, Harry Lloyd Holmes, who served in D Company, 103rd Ammunition Train during WWI! Richard is pointing to his great grandfather in the photo. We are honored to house these timeless artifacts and hope to show future generations the honorable service your great grandfather did for this country! -Photo by Ken Neuman



## VIP Visitor From Outside The Wire Spruces Up The Starfighter

Special Thanks to Estrella Warbirds Museum VIP guest **Chuck Reuter**, who brought some TLC to our 1962 Lockheed **TF-104G Starfighter (USAF)**.

Chuck began his career at Reedley College in the Aviation Maintenance Program working in cooperation with NASA, that continues to offer training for aeronautical engineers at universities including Purdue and Cal Poly San Luis Obispo. He worked at Dryden Flight Research Center, Edwards, CA as a summer hire during the pinnacle of testing for many aircraft of the era.

Chuck provided maintenance on C-47s and F-104s, and served on the flight line. He notes, "The F-104 was used in flight proficiency for the pilots and chase for different experiments, as it was extremely fast and could keep up with any project that was flying, with the exception of the Blackbird".

A WWII Silk Strategy Map of Europe with pilot aviation references, and memorabilia from the home front are some of the many artifacts on display in Freedom Hall. Stop by and see the collection, as we honor those who served."

ESTRELLA WARBIRDS MUSEUM/  
WOODLAND AUTO DISPLAY

Rob Kinnear President  
Margi Baur Vice President  
Carol Verstuyft Secretary  
Cindy Bergen Treasurer

DIRECTORS

Ron Brooks  
Bob Burges  
Mike Kelley  
Sherman Smoot  
Ren Stelloh  
John Couch  
Toni Moore

STAFF

Open Volunteer Program  
Ron Boyte Vehicle Restoration  
Ron Brooks Bldg. Maintenance  
John Everett Parade  
Bob Kelly Membership  
Mike Kelley Tech  
Bob Kinnear Aircraft Restoration  
Bill Lander Grounds Maintenance  
Steve Lochen Newsletter  
John Madden Safety  
George Marrett Guest Speaker Coord.  
Ken Neuman Hall Rental  
Ken Neuman Museum Coordinator  
Marcia Rice Library  
Wayne Rice Kitchen  
John Spooner PIO  
Scott Stelzle COO  
Dr. Jill Thayer Curator  
Carol Verstuyft Advertising  
Peter Visel Webmaster

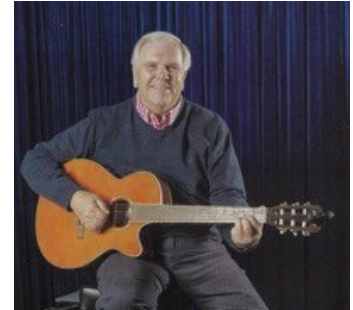
## Monthly Dinner/Meeting April 7, 2021

### George Marrett Presents

Social 5:30pm Dinner 6:30pm \$20 at the door

## MIKE CHAMBERLIN

Music From The Movies (Academy Award winning songs) & 80TH ANNIVERSARY TRIBUTE & behind the scene stories from "The Wizard of OZ."



### MENU

**BAKED HAM**  
**SCALLOPED POTATOES**  
**VEGETABLES**  
**SALAD**  
**DESSERT**

### RESERVATIONS:

PHONE: 805-296-1935

ONLINE: [ewarbirds.org](http://ewarbirds.org) Drop  
Down To Dinner Reservations

### NICE DISPATCH FROM KEN NEUMAN...



Scott Stelzle loads Drones to flat bed truck for trip to WHOKNOWSWHERE, USA. They both were donated for sale to raise cash money for EWM. That's all we know. Adios!

Team: we have seen a **good spike upwards in attendance** these last couple of weeks in February.

Week 1 saw 115 guests total (vs. 173 in 2020)

Week 2 saw 253 guests total (vs. 246 in 2020)

Week 3 saw 229 guests total (vs. 165 in 2020)

We are clearly moving in the right direction. Factors affecting these numbers were Covid 19, weather and people's inability to enjoy the outside like they are used to. Add to that Betsy flights and some good social media coverage, along with some good movement in restoration, to see what they are working on!

Thanks to each of you for doing your part to help promote our museum! Do we have much more to do—YES WE DO!

## EWM VOLUNTEERS OF THE YEAR



### AND THE WINNER IS...ARE: (LEFT TO RIGHT)

#### **Member of the Year:**

A museum member who participates in promoting the Museum by volunteering to take on tasks to complete, other than assigned, such as Docent, Gift Shop, etc.

2019 Ron Brooks      2020 Cindy Bergin

#### **Grunt(s) of the Year:**

A volunteer who always is "there" to take on restoration projects, clean-up, helping on Hall rental, basically "scut work".

2019 Carl Robbins      2020 Denny Johansen

#### **Volunteers of the Year:**

Exceptional volunteers. This includes Library, Gift Shop, Simulator Ops, Freedom, Woodland, and Pfauter Docents; often more than one will be chosen.

2019 Jim Blaes      2020 Marcia Rice

#### **Extra Mile (a.k.a. Above and Beyond):**

Volunteer who takes on tasks without being asked and exhibits Dedication, Capability, Strength, Courage, Spirit, Hard work, and a positive attitude.

2019 Toni Moore      2020 John Kellerman

#### **Top Gun:**

Volunteer who is at the top (as in ability) to accomplish tasks that benefit the Museum's success and growth.

2019 Brad Eaton      2020 Mary Allmon

#### **Director's Choice:**

Directors choice for extra recognition of a member, volunteer, or employee who doesn't fit into Member of the Year, Grunt of the Year, Extra Mile, Top Gun, or Founders Choice; usually a list of names submitted to the Board for this one.

2019 Ken Neuman      2020 Scott Stelzle



**NON PROFIT ORG.  
PERMIT 163  
PASO ROBLES, CA  
93446**

**Estrella Warbirds Museum  
Woodland Auto Display  
4251 Dry Creek Road  
Paso Robles, CA 93446  
805-238-9317  
Thursday—Sunday  
10am till 4pm**



**Northrop F-5 Freedom Fighter in the works  
at Estrella Warbirds Museum Page 2**

**HAVE AN INTEREST IN AVIATION?  
LIKE AIRPLANES?  
LIKE MECHANICS, PHYSICS, ENGINES?  
STILL IN HIGH SCHOOL?  
CHECK OUT:  
*PASO ROBLES/TEMPLETON  
AVIATION CLUB*  
  
CALL BRAD EATON  
ESTRELLA WARBIRDS MUSEUM  
805-550-8755**

Quiz Answers 1-c, 2-a, 3-b, 4-true, 5- b, 6-d, 7-c, 8-c, 9-false, 10-true