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Judy Reynolds Editor



Howard Swerdlick, Ed Reynolds, Mike LaVere, Fred Kaplan, Lazar Saunders
Photo by Harlis Brend

COSTCO Pre-Black Friday Sale

On November 17th we took advantage of Costco's pre-black Friday sale on Samsung 55inch TVs and purchased one for the Wings Over Wendy's Monday meetings. Ron Ross gave us permission to install the TV on the northwest wall of his restaurant, so on Saturday, November 18th, Fred Kaplan and Ed Reynolds installed a full range bracket on the wall. They were then assisted by Mike LaVere in attaching the TV to the bracket. Howard Swerdlick and Lazar Saunders then arrived and along with Fred installed the power cord to the set. Mike configured the set to receive HDMI input from a speaker's laptop.

It was a total team effort to find a discount, purchase and install the set and enjoy a Saturday morning. (You can never have too many electricians in an organization.)

Reported by Ed Reynolds

November Group Events

November 1, 2017

Castlebay Lane Charter Elementary School Patriotic Assembly



Photo by Elaine Woo

Wings Over Wendy's was invited to over 20 events honoring veterans during the month of November. The first event was on November 1st at the Castlebay Lane Charter Elementary School Patriotic Assembly in Porter Ranch. Bob Stiles, Ed Reynolds, Dick Kinder, Patric Daly and Richard Hernandez attended the assembly, were awarded certificates and letters of appreciation.

November 4, 2017 Canoga Park Women's Club Veteran's Luncheon



Photos by David Anderson

On Saturday, November 4th over twenty Wings Over Wendy's members attended the Canoga Park Women's Club Veterans Luncheon. Among the attendees were David Alvarez, Shirley Andrews, Mark and Jeanne Ax, Neil Baliber, Peggy Jean Bassett, Duane Buckley, Patrick Daly, Howard Davis, Jerry Detamore, Fred Kaplan, Lou Kridelbaugh, Elmo Maiden, Tom and Rebecca Maiden,

(Continued Page 2)

Ethel Margolin, Ed and Barbara Moreno, Richard Raskoff, Ed and Judy Reynolds, Bob Stiles, and Alice Stone. Honorary members State Senator Henry Stern and Councilmember Bob Blumenfield were among the featured speakers.

November 8, 2017 Carlos Santana Arts Academy Veterans Assembly



Students presenting Bill Ratner with a handmade flag

Bill Ratner and Bob Donovan along with members of the VFW and American Legion attended the Carlos Santana Arts Academy Veterans Assembly on Wednesday, November 8th. They were honored and participated in the assembly.

San Fernando Valley Academy

Three members of Wings Over Wendy's attended the Veterans Assembly at the San Fernando Valley Academy in Northridge. They were warmly received and so impressed that they have invited Wings Over Wendy's members to attend their annual Christmas Concert on December 8th at 7:00 p.m. Their location is 17601 Lassen St, Northridge CA 91325.

West Valley Christian School

Also on November 8th, at 11:00am Ron Boggess and David Plumb of Wings Over Wendy's attended the Veterans Day Chapel at the West Valley Christian School, West Hills.

Los Angeles City Council Honors City Veterans

On November 8th in City Hall the Los Angeles City Council members honored veterans leading up to Veterans Day as "Veterans of the Year" in their respective districts. Councilmember Bob Blumenfield nominated Ed Reynolds from Wings Over Wendy's for the honor in his district.



Bob Blumenfield presenting a Certificate of Recognition to Ed Reynolds

A Bohemian Barbeque

Imagination Connection, a Mobile Arts Program that brings arts to Seniors and Veterans hosted a creative evening of food, fun and art making at Rosie's BBQ & Grillery, Northridge.



Lee Auger, Barney Leone, Bill Wishard, George Rothman, Ron Boggess



Kurt Rademacher, Ed Reynolds, Bob Donovan, Warren Weinstein plus a presentation to Mitchell Englander by Ted and Shonzael Faye
Photos by Larry Kushner

Attending the event was Lee Auger, Bob Bermant, Ron Boggess, Bob Donovan, Richard Kinder, Larry Kushner, Barney Leone, Kurt Rademacher, Ed Reynolds, George Rothman, Warren Weinstein, and Bill Wishard. A fun evening and good food was experienced by those who attended. A big thank you to Ted and Shonzael Faye for arranging and hosting the event.

November 9, 2017 Woodrow Wilson Middle School Veterans Assembly

(Continued Page 3)

On November 9th, Art Sherman, Abe Rosenzweig and Bob Donovan attended the Woodrow Wilson Middle School Veterans Assembly. As World War II veterans, Art and Abe were presented with plaques honoring their service.

North Valley Military School Veterans Day Pass & Review



Also on November 9th The North Valley Military Institute held a march in review honoring military veterans. Over 500 students from grades 6 through 12 lined up in formation and marched to the music of John Philip Sousa as they filed past active and retired members of the military on their school parade grounds. Ed Reynolds, Phil Shapiro and other Wings Over Wendy's members were in attendance.

Canoga Park Elks Lodge Veterans Day Dinner



Three tables of Wings Over Wendy's members attended the Canoga Park Elks Lodge #2190 Veterans Day Dinner and Program, Thursday evening, November 9th. It was a delicious turkey dinner. The program included a talk

by a representative of the Honor Flight, Southland, serving Los Angeles, San Bernardino and Orange counties. She described the program and encouraged WWII and Korean veterans that have not taken a flight to apply.

WANT TO KNOW MORE?

WRITE US: Craig Van Doren, Founding Chairman 26 Club Vista Dove Canyon, CA 92679-3747



CALL US: Phone: (949) 310-6143

EMAIL US: HonorFlightSouthland@yahoo.com

MESSAGE US BELOW



Honor Flight Southland is a 501(c)(3) non-profit 100% volunteer organization.
Established: 09-05-2014 EIN#: 46-4517975

November 10, 2017 Oaks Christian School Veterans Day Assembly



On Friday, November 10th, Oaks Christian School, conducted their annual Veterans Day Assembly. Barney Leone lead a group of Wings Over Wendy's veterans attending the assembly

Ronald Reagan Library Veterans Day Commemoration



(Continued Page 4)

Also, on Friday, November 10th The Ronald Reagan Presidential Foundation held their Veterans Day Commemoration. Many Wings Over Wendy's members attended the event including, Ed & Judy Reynolds, Bob Stiles, and Warren Weinstein. They sat in the auditorium for the musical ceremony, the flyover by the Tiger Squadron and the keynote remarks by wounded warrior triple amputee, author and stuntman: Bryan Anderson.

Bryan gave an inspirational talk on his life experiences which he has documented in the book *No Turning Back: One Man's Inspiring True Story of Courage, Determination and Hope*. His talk was followed by the documentary *The Weight of Honor*. The film follows five caregivers, who provide 24/7 care to their catastrophically wounded veterans who reveal their struggles and hopes for the future, giving a voice to these often overlooked caregivers.

Outside the auditorium there were displays of military equipment and re-enactments of the Civil War provided by the Washington Artillery of New Orleans. After the Commemoration, veterans were able to tour the Museum and the Titanic, and Air Force One exhibits.

November 11, 2017 SFV Veterans Day Parade



Photo by Kay Deitch

A dozen Wings Over Wendy's members manned a truck in the annual San Fernando Valley Veterans Day Parade. As in the past, Fred Kaplan drove the truck which was graciously supplied by Galpin Ford. Lee Auger, Neil Baliber, Tom Bates, Ron Boggess, Barry Chapman, Ernest Dutcher, David Greenberg, Richard Gross, Lezar Saunders, Sam Schultz and Alice Stone, also participated.

MalibuUSA Veterans Day Public Ceremony



Photo courtesy of Mike LaVere

Wings Over Wendy's dominated the MalibuUSA Veterans Day Public Ceremony on November 11th. The Malibu Chamber of Congress provided a Shuttle Bus to transport 14 Wings Over Wendy's members from the Platt Village to the Malibu City Hall where the 18th Annual Ceremony was conducted. The Master of Ceremonies was our own Bob Donovan and one of the five veterans speaking on the theme "Honoring Veterans Who Continue to Serve" was Ed Reynolds.

The Malibu local newspapers featured Wings Over Wendy's veterans on their front page:



George Rothman sings along to "God Bless the USA"

The Malibu Times

NEWSPAPER - MAGAZINE - ONLINE



Members of Malibu's Boy Scout Pack 119 take part in the annual tradition of handing out pins to veterans at the City of Malibu's 18th annual Veterans Day Public Ceremony on Saturday, Nov. 11



Speakers at the 18th annual Veterans Day Public Ceremony pictured from left: Lt. Col. James Stitt, Lt. Scott Wagenseller, Lt. Colonel Ed Reynolds, Major Katie Nash and Staff Sgt Thomas Sells

Photos by Devon Meyers, The Malibu Times

American Legion 826 Veterans Day BBQ



THE AMERICAN LEGION

American Legion Post 826 held their annual Veterans Day BBQ at the Legion Hall on Fallbrook Avenue, Woodland Hills, at noon on November 11th. Duane Buckley and many other Wings Over Wendy's members attended. Conflicts with the timing of other Veterans Day events reduced the number of members from attending.

Fairwinds Veterans Special Lunch

Fairwinds – West Hills Senior Living Community, held their annual Veterans Special Lunch on Saturday, November 11th. The lunch was open to all residences, guests and veterans. Several Wings Over Wendy's members attended the lunch including: Marion Lovelace, Elmo Maiden and Bob Stiles.

Temple Aliyah Shabbat Aft Service Honoring Veterans

On Saturday, November 11th, Temple Aliyah conducted their annual Shabbat Aft Service Honoring Veterans. Because this year's Veterans Day fell on a Saturday and Wings Over Wendy's had so many events to support, attendance was not as great as in the past. I am sure there will be greater attendance at this event in future years.

Thousand Oaks Veterans Day Service



Thousand Oaks Acorn

Dave Worley was the keynote speaker at the Thousand Oaks Veterans Day Service. Several Wings Over Wendy's members including Dan Pemberton and Jim McMichael were in attendance. The ceremony saluted Newbury Park resident Cheryl Bryerly's nephew, Sgt. 1st Class Stephen Cribben, Green Beret, killed in Afghanistan on November 4th.

Tony Cardenas Veterans Day Forum



Photo by Kay Dietrich

Veterans Day ended after a busy number of activities for the Wings Over Wendy's crowd with a delicious dinner at Congressman Tony Cardenas' Veterans Day Forum. Among those attending the event were: Neil Baliber, Ron Boggess, Paul Boghossian, Kay Deitch, Anarg Frangos, Richard Gross, Neil Houston, Mike & Boots LaVere, Ginger Lyon, Jamie Pellegrini, Ed Reynolds, Phil & Roz Shapiro, Art Sherman, Bob Stiles, Maurice Vasquez, and Nathan Wolfstein.



Paul Boghossian, Art Sherman, Bob Hertzberg, Mike LaVere Ed Reynolds

Art and Tony left a little early leaving Mike LaVere to have the honor to cut the cake as the oldest veteran in the room.



November 14, 2017

Pomelo Community Charter School Conversations with Heroes



On Tuesday, November 14th Pomelo Community Charter School held their Conversations with Heroes event. It is the most popular event attended by Wings Over Wendy's members with over 40 attending along with First Responders and other veterans. The program included an honor guard from El Camino High School who stood in the hot sun as WWII era songs were played (**no National Anthem was played**) then retired without the Pledge of Allegiance to the flag, that was followed by a performance of the 3rd Graders reciting the Pledge in voice and sign language. Veterans then introduced themselves with a short bio of their service.

A buffet lunch prepared by the student's mothers was served and TV Channel 5 interviewed some of the veterans while students gathered autographs.

November 15, 2017

St. Martins Episcopal School Veterans Day Service



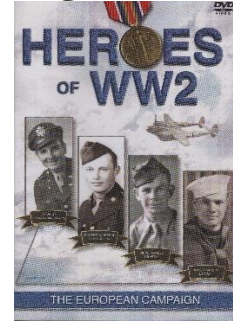
Photos by Susan Emslie

Two dozen Wings Over Wendy's members attended the St. Martin Episcopal School's Veterans Day Service. The event featured a chapel service, flag ceremony including Jimmy Weldon's reciting "Old Glory" and USMC Gunnery Sergeant Ernie "Gunny" Napper conducting the flag folding ceremony with members of the

California Chapter of Rolling Thunder, Inc., (See Peggy Jean's Hanger for details), a fly over of the Condor Squadron, a hand shake of each veteran by each student, and then a warm breakfast provided by Gunny.

Conejo Valley Military Officers Association of America & the Military Order of the World Wars

"A Gathering of Heroes Dinner"



On the evening of November 15th, the Conejo Valley Military Officers Association of America and the Military Order of the World Wars proudly hosted a dinner honoring World War II veterans. Among those honored were Wings Over Wendy's members: Art Sherman, Elmo Maiden Mike LaVeré Dick Kinder Ethel Margolin Barney Leone and Leon Waldman. A feature of the evening was the showing of the documentary *Heroes of WW2* which included many scenes with Guy Chookoorian, Al Lewis and Elmo Maiden telling of their experiences during European campaign.

November 16, 2017

Valley Alternative Magnet School Conversations with Heroes



Photo by Franky Ortega

Franky Ortega, Social Studies Teacher with the National WWII Museum and a member of the WWII Airborne Demonstration Team arranged for a "Conversation with Heroes" session at two classrooms at the Valley Alternative Magnet School where he teaches. Attending the sessions were Don Foster, Lee Levitan, Ed Reynolds and Phil Shapiro in one classroom and Ron Boggess, Bob Stiles and Maurice Vasquez in the other classroom. Paul Boghossian supported the group. Lunch was provided by the teachers.

November Speakers

November 6, 2017

ABC7 Salutes Wings Over Wendy's



On Monday, November 6th we were visited by Darsha Philips and her cameraman from ABC7 Eyewitness News. Darsha interviewed a number of people including Mike LaVere, Ethel Margolin, Marion Lovelace and Ed Reynolds. The interviews were aired that afternoon.



Photo by Harlis Brend

Shonzael Faye

Shon displays his talents with a picture he drew.



Photo by Harlis Brend

Nigel Sanchez

Nigel Sanchez, Veterans Field Representative for Congressman Tony Cardenas invited Wings Over Wendy's to the Congressman's Veterans Day Forum on Nov. 11th.



Photo by Harlis Brend

Bob Donovan

Bob Donovan reported on a function he attended at the Ronald Reagan Library on Sunday, November 5th. The event included Ivanka Trump who joined U.S. Treasury Secretary Steven Mnuchin to speak on tax reform.

George Rothman

George Rothman provided a follow up report on the October Soaring Valor trip he took with the Gary Sinise Foundation on October 24th.

November 13, 2017

Due to the number of events the group attended the previous week there was no scheduled speaker but instead people reported on the events they attended. The details are written up on pages 2 to 5.

November 20, 2017

“Wings” to “Wings” Presentation



Photo by Harlis Brend

Franz Lopez, on behalf of the Wings Over Camarillo, Camarillo Wings Association presented Wings Over Wendy's a plaque *In appreciation for your outstanding dedication and support for the 2017 Camarillo Air Show.*



Photo by Harlis Brend

Herb Hutchinson Profiles in History of the USAF F-16 Fighting Falcon



On November 20th, Herb Hutchinson, USAF F-16 Chief Systems Engineer, Wright- Patterson AFB christened our new TV with a presentation on the development of the F-16. He started with a history of jet fighters and then gave us the history of USAF aircraft projects in the 1970s. He was a Project Engineer for the light weight fighter (LWF).

Herb showed the following slides on the YF-16:

Advanced Technologies Considered/Selected (For YF-16 LWF Prototype Design and Construction)

- **Near Fully Developed Propulsion System** (P&W F100-PW-100 from F-15) - 25,000 lbs Thrust SLS Max A/B [T/W~1.2 @ Start Combat Wt.]; Smokeless
- Clipped Delta Wing; Blended Wing Body Design
- Wing Root Leading Edge Extension For Vortex Lift
- Bubble Canopy (No Bow Frame for Pilot 360° Visibility)
- Ventral Fins For Improved Directional Stability
- **All Electric Fly-By-Wire Flight Control System** (Computer Controlled)
- Side-Stick Pilot's Flight Controller – Small Displacement 2 Axis
- All-Movable One-Piece Horizontal Tail Surfaces (Stabilators)
- Slight Negative Static Stability Margin
- Automatic Leading Edge & Trailing Edge Flaps (Setting Per Flight Mode)
- 9 g's Maneuvering Load Factor Limiter
- Seat-Back Angle Reclined 30 Degrees and Raised Heel Rest

Internal Equipment

- Emergency Power Unit (Safety – Loss of Main Generator)
- Jet Fuel Starter for Rapid Engine Start
- 9 External Stores Stations (**Multi-Mode Capability**)
- 20 mm 6-Barrel Gatling Gun (580 Rounds)
- **Survivability and Maintainability Features Designed-In At Start**

DESIGN AND PERFORMANCE GOALS FOR LWF (No Priority Order)

- Low weight – less than 20,000 pounds at start of combat;
- Unequalled performance and maneuverability in the transonic (Mach 0.8 – 1.5), high- g, combat arena (especially at altitudes between 20,000 and 40,000 feet);
- Use of in-being or late developmental stage propulsion system to provide TAY NLT 1.2 at Start of Combat (P&W F100-PW-100 turbofan engine in single engine application preferred);
- Combat radius on internal fuel of about 225 NM, with increase up to 700 NM with external tanks (jettisonable);
- Limited supersonic capability at Sea Level (Mach 1.0 – 1.2), increasing to about Mach 2 at altitude as constrained by fixed geometry inlets optimized for the transonic battle arena;
- Mission essential avionics (clear weather, day conditions) with capability to be upgraded later to all-weather & all-light conditions;
- Armament to include a representative state of the art/ high muzzle velocity gun (20 mm M61-A1 Vulcan 6-barrel Gatling preferred with minimum of 500 rounds of ammunition in a reloadable drum), and effective low-cost air-to-air missiles;
- Structural hard-points and systems to give a credible air-to-ground support capability;
- Outstanding pilot visibility (bubble canopy preferred);
- Excellent handling qualities optimized for the air combat arena.

He showed us a slide on the comparisons of maneuverability between the YF-16 and the F-4E. Then he told us about a Soviet MiG-21 that the USAF had secretly obtained and showed us the Sustained Maneuver Performance Comparison between the YF-16, F-4E and MiG-21.

The engine was a key to performance and he discussed the different engines they considered. Herb told of the study he participated in battle damage on the F-4. The result was that the mechanical controls of the F-4 were often damaged. The recommendation was “Fly-By-Wire” would be the key to the aircraft becoming a “Fighter Pilot’s Fighter”.

(Continued Page 9)

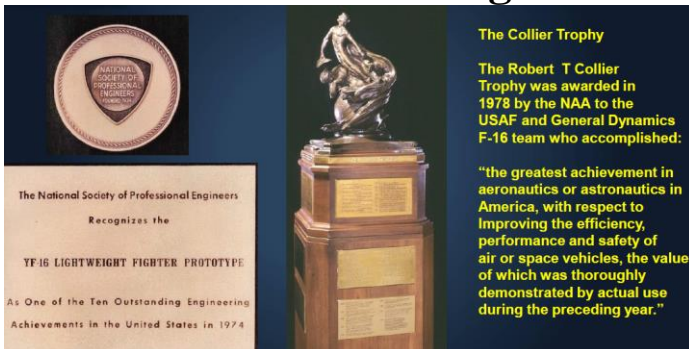
The First No-Bow-Frame Bubble Canopy ~ “Can’t fight ‘em if you can’t see ‘em”



Key Milestones

13 Apr '72	GD YF-16 and Northrop YF-17 Selected for fly-off
13 Dec '73	Rollout of prototype YF-16 #1 at Fort Worth, TX
2 Feb '74	First flight YF-16 #1 (tail no. 01567) with Phil Oestreicher
9 May '74	First flight YF-16 #2 (tail no. 01568) with Neil Anderson
9 Jun '74	First flight Northrop YF-17 #1 with Hank Chouteau Pilot
13 Jan '75	Full Scale Development award to General Dynamics F-16
Jan '75	U.S. Air Force announces F-16 as its Air Combat Fighter
8 Aug '75	F-16 Low Rate Initial Production manufacturing begins
8 Dec '76	First flight of F-16A FSD no. 1 (#75-0745), the first Full-Scale Development aircraft, at Fort Worth, TX.

Professional Recognition



The Collier Trophy

The Robert T Collier Trophy was awarded in 1978 by the NAA to the USAF and General Dynamics F-16 team who accomplished:

“the greatest achievement in aeronautics or astronautics in America, with respect to improving the efficiency, performance and safety of air or space vehicles, the value of which was thoroughly demonstrated by actual use during the preceding year.”

Special Recognition & Thank You

HARRY J HILLAKER - Chief Designer at GD/FW of the B-58, F-111 and F-16 External Configurations

COL. JOHN R. BOYD - USAF Fighter Pilot, Creator of Energy-Maneuverability Concept Improving Air Combat Tactics - (USAF Fighter Weapons School founder)

CHUCK MYERS - Pentagon Office of Sec of Defense, Director of Air Warfare (Gladiator for LWF Prototype Program)

Others in the “Fighter Mafia” (reinforcing John Boyd's Efforts in Pentagon):

Pierre Sprey - Pentagon, Civilian Advisor for Fighter Aircraft Requirements

Col. Everett “Rich” Riccioni - In Pentagon and AFSC Flt Dynamics Lab - Fighter Technology Advisor

Thomas Christie - Mathematician and Air Combat Tactics Analyst at Eglin AFB

Without **HILLAKER**, **BOYD** and **MYERS**, the F-16 and F/A-18 would not exist so that's why their names are in **BOLD CAPS**.

It was a very informative presentation for the members that served in aviation.



November 27, 2017



Photo by Harlis Brend

Robert Lanthier

Robert Lanthier, President of “The Reel Cowboys” thanked Wings Over Wendy’s for attending the Silver Spur Award dinner this year and invited us to the September 21, 2018 Silver Spur Awards dinner. He told us about his project to build the world’s largest Motion Picture Studio in Simi Valley and Moorpark called Golden Trinity Entertainment which he plans to staff with veterans.



Photo by Harlis Brend

Jim McMichael Flying the USAF F-16 Fighting Falcon

(Continued Page 10)

Jim McMichael continued the presentation on the F-16 started the week before by Herb Hutchinson. Herb presented the design and development from an Engineer's point of view. Jim presented the F-16 from a pilot's point of view.

We could tell that Jim really enjoyed his career flying the F-16 except for the strain it caused on his spine pulling "G" forces so many times.


The following is a copy of his slides. It tells his story better than paraphrasing from my tape of his presentation.



F-16 Fighting Falcon A Driver's Perspective




Lt Col Jim "Gweed" McMichael, USAF (ret.)





Viper Combat Sorties

Desert Storm	36
Southern Watch	24
Enduring Freedom	17
TOTAL	77




Fruit of the GD Fighter Mafia's Labor (Thanks Herb)







What the Viper is and isn't

U.S. AIR FORCE


- No single word sums up the F-16 but there are four "d" words
 - Not difficult
 - Not devious
 - Not dangerous
- The F-16 is different
- "The flight control system is different than anything you have ever flown in an operational fighter" – Joe Bill Dryden, Senior Experimental Test Pilot GDC

F-16 Fighting Falcon

U.S. AIR FORCE



- Different flight controls
 - Computer provides direct control to flight surfaces
 - Except Weight-on-Wheels (WoW) or Manual Pitch Override (MPO)
- Different aerodynamics
- Different engine characteristics
- Different cockpit



Did You Know?

U.S. AIR FORCE



- Multi role fighter
- 27 versions +
- F-16 A/B – Block 1, 10 and 15
- F-16C/D – Block 20 and 30 series
- F-16 F – Block 60

Some Stats

U.S. AIR FORCE

- Range 500 miles
- Nine G capability with full internal fuel
- Bubble canopy laced with gold
- ACES-II ejection seat built-in recline of 30 degrees... (Why?)
- Side stick (HOTAS) Hands-on-Throttle-and-Stick
- Weight - 19,700 lbs.
- Thrust - 27,000 lbs up to 29,450 lbs
- Max takeoff weight 37,000 lbs
- 49' 5" in length, height - 16 ft, wing - 32' 8"

(Continued Page 11)

The Umph!

U.S. AIR FORCE

- PW F100-PW-200/220/229 or
- GE F110-GE-100/129
- Speed: 1,500 mph (Mach 2 at altitude)
- Ceiling: Above 50,000 feet (15 kilometers)

<Five different engines!

Additional Specs

U.S. AIR FORCE

- 4-channel Fly by Wire flight control system
- Thousands of FLCS measurements per second
- Radar – Initially the AN/APG-66 pulse-Doppler fire-control radar
 - Upgraded to **AN/APG-80 Active Electronically Scanned Array (AESA) radar**
- Performance specs
 - Max speed at sea level 1.2 Mach, at altitude Mach 2+
 - Combat radius – 340 mi
 - Service ceiling – **60,000 ft**
 - Rate of climb – **50,000 ft/min.**
 - **Thrust > than jet's gross weight = accelerates in ballistic**
- Advance Concept Ejection Seat (**ACES-II**)

Removal from the aircraft is by a three part pyrotechnic sequence.

1. A gun catapult

2. A rocket sustainer the STAPAK

3. Once clear of the aircraft, the pitot - static system on the seat measures the conditions and selects

- Mode 1
- Mode 2
- Mode 3

ACES-II - Modes

U.S. AIR FORCE

- The ACES-II is a **Zero-Zero system (zero altitude and zero airspeed)**
- **Mode 1 - Low speed (<250 knots) and low altitude (<15,000 feet) operation.**
- **Mode 2 - Moderate speed (250-650 knots) and low altitude (0 - 15,000 feet) operation. *Drogue chute**
- **Mode 3 - High speed (250-650 knots) and high altitude (>15,000 feet) operation. *Drogue chute**

Not just a jet but a weapons systems platform

U.S. AIR FORCE

"Veni, vidi, vici,"

(I came, I saw, I conquered)

- Julius Caesar, Roman Emperor (100BC-44BC)

"Veni, vidi, vici,"

(I came, I saw, I kicked ass)

- United States Air Force Viper Stick

External Weapons & Stores Stations

U.S. AIR FORCE

F-16A EXTERNAL WEAPONS & STORES CARRIAGE CAPABILITY

Station	Right Wing	Center	Left Wing
1	SR	SR	SR
2	SR	SR	SR
3	SR	SR	SR
4	SR	SR	SR
5	SR	SR	SR
6	SR	SR	SR
7	SR	SR	SR
8	SR	SR	SR
9	SR	SR	SR

Heads Up Display (HUD) Symbols

U.S. AIR FORCE

Timing / Speed Carat (Velocity you need to get to the STP at the designated time)

Horizon Line

Actual G

Velocity type (Ground, True, Calibrated)

Velocity

Master Arm

Peak G (highest G since take off)

Mode (see List of Modes @ end of this guide)

Bank indicator

Gun Cross (A/C Nose)

Pitch Ladder

FPM (Flight Path Marker)

Tadpole (put FPM on it to get to STP)

STP (Steep point)

Altitude

Heading

Radar Altitude

A-LOW

Slant Range to STP

ETE / TTG / ETA

Distance > STP

STP is off HUD – go this way to find it

Vertical Velocity (if Scales in VU/VAR)

Jim concluded with a video of his last flight in the F-16 out of Joint Base Carswell. He set up a video camera of his Heads Up Display that took us from taxi out, to takeoff, flying straight up and then through acrobatic maneuvers over the airfield and surrounding area. In the video he pointed out the changes on the Heads Up Display symbols identified in the above chart.

It was a thrilling, realistic end to his presentation and we almost had to issue "barf bags" to some of the Wings Over Wendy's audience.

Thank you Jim for another informative presentation!

Following Jim's presentation Wings Over Wendy's was visited by California State Senator Bob Hertzberg. He gave us a bio of his life. Telling us about his parents from the mid-west and his father who served in the USN and settled in Southern California after his service. Bob was born in Los Angeles, and grew up in the area.

The things he saw and learned in other countries lead him back to California politics where he hoped he could effect changes and improvements.

After Bob's short talk and the meeting adjournment he stayed around Wendy's for over an hour talking with those that stayed after the formal meeting.



Following incidents of drones flying over the presidential palace and restricted military sites – along with the deadly 2015 Paris terror attacks – the French Air Force has trained four golden eagles to intercept and destroy the rogue aircraft.

“A drone means food for these birds,” Gerald Machoukow, the military base's falconer, told FRANCE 24. “Now they automatically go after them.” The use of hunting birds – normally falcons and northern goshawks – by militaries around the globe is common practice in the fight to scare other critters away from runways and so cut the risk of accidents during take off or landing. But it wasn't until 2015 when the Dutch started using bald eagles to intercept drones that other militaries started to see the benefit of these winged warriors.

A golden eagle carries a flying drone (2017). "I love these birds," Machoukow told Agence France-Presse. "I don't want to send them to their death." (Continued Page 13)

The Dutch started this. It's probably something we should be doing too. It couldn't hurt to put our national bird to work.

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A horizontal line of 20 small airplane icons, all facing right, used as a section separator.

“Ladies and gentlemen, at this time, please rise and direct your attention to [color/honor guard entrance location] for the presentation of the colors for today’s event. Presenting the colors for today’s event, please welcome the [color/honor guard name] from [where they are from]. Ladies and gentlemen, we remind you to remain standing at attention until the colors have been retired, following the singing/performance of our National Anthem by [National Anthem singer name].”

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About the organization “Rolling Thunder”



Rolling Thunder team at St. Martins with Gunny
Photo by Susan Emslie

In 1987 two Vietnam War veterans met to discuss how they could bring awareness to prisoners of War (POWs) and those missing in action from the Vietnam War. Out of that meeting by Artie Miller and Ray Manao “Rolling Thunder” was born. Every year in May, along with thousands of other veterans they ride into Washington D.C. to the Vietnam Veterans Memorial in unison flying the Stars and Stripes beside stark black POW/MIA flags.

The organization gets its name from the bombing campaign against North Vietnam and that was code named “Rolling Thunder”. Their club is a non-profit organization comprised of Veterans, many of whom ride motorcycles. Their motto is “We will never forget”. Their address is P.O. Box 6672, Thousand Oaks, California 91359. Info: Rolling ThunderCalif.com.

Reported by Peggy Jean Bassett.

B-26 Marauder “Charley’s Jewel”



Great progress is being made on the restoration of the MAPS (Military Aviation Preservation Society) Martin B-26 in Canton, Ohio, at their Air Museum in the last three years, as told by Dave Pawski.

The Martin 250 turret was provided by Carl Scholl of Aero Trader, and is under restoration.

ENGINE COWLS: The team had to fabricate almost all of the cowlings with only one original part. An Oil Cooler section is also from Carl Scholl.

MAIN LANDING GEAR DOORS: The jewel was without any of the four main gear doors; they had to be scaled on a copier machine to full size from drawings, and there was so much fabrication.

MARTIN 250 GUN TURRET: A big break again from Carl Scholl. He came through with the Martin 250 turret, and threw in some extra parts.

NOSE CONE: well, it’s done. It was made in eight

equal sections of molded plexiglass. A support ring was made to mount to the fuselage. Ribs were fabricated and riveted to the ring, etc.

TAIL GUNNER’S CANOPY: was scratch built from pictures and photos of an early model tail canopy, with thin plexiglass panels for the windows

WING LEADING EDGES: work continues on scratch building of all the wing leading edges.

BOMB DOORS: The forward bomb doors were installed and actually function manually.

FUTURE PROJECTS: It needs many interior parts. Well, that’s an update for now, folks. It’s been twenty years in the works to restore. “She’s shaping up and will be sparking like a jewel”.

The B-26 Charley’s Jewel. Researched by PLANE PEGGY from Air Classics.

P.S. The 1940 Martin B-26 Marauder was an American War II twin engine medium bomber. It became a safer aircraft once the crews were re-trained and after aerodynamic modifications were made, longer wings, lengthened fuselage and larger vertical fin and rudder. Over 5,000 Marauders were built and went on to have the lowest combat attrition rate of any American aircraft in the 9th Air Force.

Researched from Wikipedia.com.

THE ICONIC 747 RETIRED



On September 7th, 2017 Delta flew its last commercial domestic flight with the Boeing 747. United flew its own final Farewell Vintage flight on November 7th from San Francisco to Honolulu. The jumbo jet has been a staple for long-haul flight for more than fifty years, and flew its first version of the jet in 1970.

Now as more efficient aircraft have reached the market, the onetime Queen of the Skies is slowly being replaced, winding down the entire commercial fleet of 747s owned by domestic commercial carriers.

United’s final flight, was one heck of a party. The final flight departed from San Francisco International Airport at 11 A.M. on November 7th. It was a tribute to the years the aircraft was in service. Flight attendants donned retro uniforms to serve 1970’s inspired meals while the in-flight entertainment pumped out vintage content, sending the Queen after more than four decades of flying of the skies in her glory.

(Continued Page 16)



The tribute flight garnered special attention from the aviation community and actually sold out in two hours.

United Airlines received its first Boeing 747 in 1970 and operated the fleet on mostly long haul flights between the US and Asia and Europe. It has been replaced by the more efficient Boeing 777 models. The 747 is a massive aircraft with a wing span of over 200 feet and room for 568 passengers in its high capacity wide body. Its length is 231 feet and height, 63 feet 8 inches and is often referred to as Jumbo Jet or Queen Jet, its original nicknames. It became the dream of every airline pilot to become Captain of the Queen 747.

Sadly, as to the future of the retiring 747s, they will most likely be parked in an airline graveyard near the Mojave Desert and Victorville.

Oh, in case you are interested in purchasing a 747 you can buy one on E-Bay or Yahoo for only \$28,000,000 complete or only \$300,000 without engines or electrical systems. Got a restaurant in mind? Or for an extra special Christmas present said Plane Peggy. (From Forbes).

In Memoriam

I am happy to report that we did not lose a veteran member during the month of November 2017.

Prayers

Unfortunately, several of our most active members were hospitalized or are either in Nursing Homes or at home recuperating from their injuries or illnesses. Our prayers are for a speedy recovery and a return to our meetings:

Ellie Harrison	Mort Green
Bruce Monkman	Richard Myers
Steve Politis	Marty Snyder

**WOW's monthly food drive is
Monday, December 4th.**



WINGS OVER WENDY'S TOY DRIVE

MONDAYS - DECEMBER 4 & DECEMBER 11



BRING AN UNWRAPPED GIFT FOR A BOY OR GIRL

VALUE OF ABOUT \$10.00 OR LESS

We all want raffle prizes!

Please search your closets and garages and bring your items to the next Wings Over Wendy's meeting.

Suggested Items: Military books, magazines, DVD's, tools, etc. **Thank you!**



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Publisher: Ed Reynolds
Alternate Publishers: Neil Baliber & Fred Kaplan
Editor: Judy Reynolds
Reporters: Peggy Jean Bassett, Ed Moreno & Ray Rosenbaum
Photographers: Harlis Brend, Mike LaVere, Ed Reynolds, & Howard Swerdlick
New Members: Marion Lovelace & Shirley Andrews
Reminders: Connie Hein
Speakers: Barney Leone
Tours: Warren Weinstein
Treasurer: Barry Chapman & Ed Reynolds

December Birthdays

Jeffrey Taylor	December 01, 1957
Chuck McNary	December 03, 1937
Shirley Andrews	December 04, 1936
David Greenberg	December 04, 1965
Marty Snyder	December 04, 1923
Perry Sperling	December 04, 1954
Dave Worley	December 05, 1953
David Plumb	December 07, 1952
Howard Swerdlick	December 07, 1936
Roscoe Frazier	December 08, 1939
Jay Guerrero	December 08, 1931
Manny Iglesias	December 10, 1929
Judy Reynolds	December 11, 1936
Dan Pemberton	December 13, 1939
Alex Daunis	December 15, 1940
Larry Kushner	December 15, 1946
Cliff Rose	December 16, 1926
Julio Jimenez	December 17, 1944
Arnold Perlin	December 17, 1930
Sharon Para-Lavender	December 18, 1946
Peggy Jean Bassett	December 20, 1938
Jerry Watts	December 21, 1946
Ken Deitch	December 22, 1947
Peter Helm	December 22, 1944
Alan Hill	December 22, 1966
Lee Auger	December 23, 1929
Juan Camacho	December 24, 1945
Don Foster	December 24, 1920
John Helm	December 24, 1929
Lee Levitan	December 24, 1923
Barbara Wright	December 24, 1931
Claude Maugein	December 28, 1952

New Members

We welcomed the following new members during the month of November 2017.

John Boiko
 Mark Casala
 Carl Ehrlich
 David Freeman
 Tom Guzman
 Manny Iglesias
 Julio Jimenez
 Liliane Pofcher
 Henry Siderman
 Dorothea Ulyate

Wings News Patrons

The following is a list of WOW members who have contributed \$10 to fund the publication of the *Wings News* for 12 months.

David Alvarez	Shirley Andrews
Lee Auger	Phil Aune
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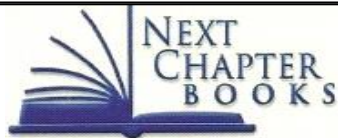
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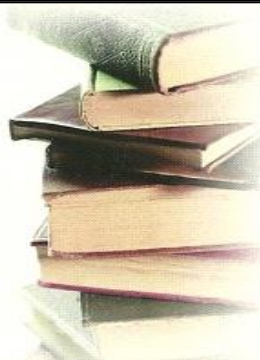
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