

PROPWASH



EAA Chapter 766

February 2020

February Meeting

Members and visitors are encouraged to attend the **February 17** meeting. "Hanger Talk" will begin at **6 pm. Al Forner** will bring Roasted Chicken. Other members are asked to bring a dish to pass.

Chapter President, Dan Dominguez, will start the meeting at 7 pm. The Program Director, Dan Miller, will then present an interesting program.

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Sheboygan County Memorial Airport - KSBM

Elevation - 755.2 ft. CTAF/UNICOM - 122.7 Pattern Attitude - 1555.2 ft. Wind Indicator - Yes

Runway 4 / 22 (037 / 217 Magnetic)
Demensions - 6800 x 100 ft.
Surface - Grooved Concrete
Traffic Pattern - Left

Runway 13 / 31 (132 / 312 Magnetic)

Demensions - 5002 x 75 ft.

Surface - Asphalt

Traffic Pattern - Left



(920) 467-6151 After hours (920) 207-9126



Airplane Maintenance Mike and Troy (920) 467-8611



2020 Events at EAA Chapter 766 and AHCW

Saturday Feb. 1 - EAA Chapter 766 Holiday Party
Contact Luiz Cordeiro at 457-4590 for more information

Monday, Feb. 3 – IMC Club Safety Meeting (1st Monday of each month) Tony Kolar, CFII and Dave Rudd, IMC Club Coordinator

Monday, Feb. 17 – Membership Meeting (3rd Monday of each month) Hanger talk at 6 pm, meeting at 7 pm with a program to follow

Saturday Morning Hanger Talk with Coffee at the AHC

The EAA Chapter 766 has "Hanger Talk" with coffee and sweets every Saturday morning from 9 am to 11 am at the Aviation Heritage Center. Whether you fly-in or drive, everyone is welcome.

New EAA Chapter 766 Members

Please welcome the new Airport Superintendent, **Matthew Grenoble**, to EAA Chapter 766. Prior to starting his career in airport management ten years ago, he was a corporate pilot and has experience as a line service supervisor/Lear jet first officer. He has worked in airports in Virginia, Florida, Utah, and Washington State before "landing" in Wisconsin. Please welcome **Michael Mangan** to EAA Chapter 766. He is an aviation enthusiast that believes in the use of red or amber lights for runway lighting to minimize the amount of blue light in the nighttime environment. This will help a pilot's vision during nighttime take offs and landings.

EAA Aviation Adventure Speaker Series

Free for EAA members / \$5 for non-members (Thursdays starting at 7 pm)

February 20, 2020, 7 pm – B-29 *Doc*EAA staffers Sean Elliott and Chris Henry

March 19, 2020, 7 p.m. – A-10 pilot Kim Campbell

April 16, 2020, 7 p.m. – Larry Mauro and the Solar Riser Aircraft

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EAA Chapter 766 IMC Club

EAA Chapter 766 IMC Club held a safety meeting on January 6, 2020. Tony Kolar, CFII and Dave Rudd, IMC Club Coordinator, facilitated the meeting.

Tony reminded attendees, as the PIC, your priorities in order are **Aviate**, **Navigate and Communicate**. When contacting the ATC, you need to tell them: Who you are, Where you are and What you want to do. An aircraft stalls due to **loss of lift** which is caused when the **air speed is too slow for the aircraft configuration**. Most loss of control accidents happen at the turn from base to final and after take-off in the turn to crosswind. In most cases, approach should be stabilized by 1000 feet AGL IFR and 500 feet VFR.

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Question of the month: What is the meaning of "BA GOOD" on NOTAMS and the standard aviation products such as METAR/TAF, AIRMETS, etc. **The Answer**: As noted under contractions on FAA.gov - BA GOOD means breaking action good.

IMC Scenario: Autopilot (AP) Malfunction in the clouds: A 1997 Moony M20 Bravo flying from Venice, FL. to Frederick, MD. with a fuel stop in Myrtle Beach FL. There was 1000 ft. overcast, tops at 6500 ft. and 3-mile visibility. When the three axis Autopilot was turned on, the plane began having directional problems. The circuit breaker was pulled and was replaced later. The autopilot then responded correctly. What should the pilot do at this time?

Group Suggestions: Rather than pulling the breaker, turn off and then on the AP; go back to manual flight – no AP; continue flying but let the ATC know about the AP problem; did the pilot put in the wrong information into the AP; stop at Myrtle Beach in VFR conditions.

Aircraft Performance Awareness

- Weight and Balance calculations
- Takeoff and climb calculations
- · Return to airport decision criteria
- Cruise performance
- Brief each takeoff, approach, and landing

Tony Kolar guided the attendees through the startup and operational steps of the **Redbird FMX**, **three-axis**, **full motion flight simulator** that recently had a new updated computer installed to enhance flight simulation. For more information, call Simulator Manager Jay Hoogstra at 920-698-0850 or Tony Kolar, CFII at 920-698-6142.

Personal Minimums Contracts

(as suggested by AOPA Air Safety)

	WEATHER	I WILL
AOPA AIR SAFETY INSTITUTE VFR PILOT PERSONAL MINIMUMS CONTRACT	MAX. WIND VELOCITY AND GUST MAX. CROSSWIND MIN. CEILING DAYNIGHT MIN. VISIBILITY DAYNIGHT	Only fly when I am proficient with the aircraft limitations, performance, normal and emergency procedures, systems, and avionics. Use precautions when transitioning to different aircraft/avionics/systems.
MIN. HOURS (LAST 30/90 DAYS) MIN. HOURS IN TYPE (LAST 30/90 DAYS) MIN. LANDINGS (LAST 30/90 DAYS) NIGHT HOURS (LAST 30/90 DAYS)	AIRPORT RUNWAY MIN. LENGTH RUNWAY MIN. WIDTH Aircraft performance degrades when density altitude is above 1,000 feet. As a result, ASI recommends adding 50 percent to the POH takeoff or landing distance over a 50-foot obstacle.	Consider the risks of flying over mountainous terrain. Fly with a current GPS database, charts (or EFB), and a backup (as required). Consider increasing my personal minimums if friends and family are on board. Always get a recorded FAA weather briefing and file/activate a flight plan for flights away from home base.
□ VFR INTO IMC TRAINING COMPLETED WITHIN LAST 12 MONTHS □ MIN. RECURRENT TRAINING COMPLETED (circle one) PAST 6 / 12 / 24 MONTHS ■ ASI recommends recurrent training every 12 months with a CFI who's familiar with the aircraft make, model, and equipment. AT A MINIMUM, MY OVERALL WELLNESS SHOULD BE ADEQUATE OK WELL VERY WELL □ □ □ □ □ □ □ □ □ □ ■ ASI recommends considering sleep, medications, alcohol, stress, and other factors that could affect the safety of flight.	AIRCRAFT MIN. FUEL RESERVES (hours: minutes) DAY: NIGHT: **ASI recommends landing with at least one hour of fuel remaining.** NIGHT FLIGHT IN A SINGLE-ENGINE AIRCRAFT Y / N IF YES, LIST LIMITATIONS (e.g., no mountainous terrain, no over-water flights, will reach cruise altitude before sunset)	Request flight following if services are available. Fly with a qualified pilot or CFI (or postpone the flight) if my personal minimums are not met. Pilot signature CFI/witness Last updated /



ASI recommends considering sleep, medications, alcohol, stress, and other factors that could affect the

safety of flight.

WEATHER	AIRCRAFT	
MAX. WIND VELOCITY AND GUST	MIN. FUEL RESERVES (hours : minutes)	
MAX. CROSSWIND	DAY: NIGHT:	
MIN. CEILING DAYNIGHT	 ASI recommends landing with at least one hour 	
MIN. VISIBILITY DAYNIGHT	of fuel remaining.	
MY EN ROUTE MINIMUMS	NIGHT FLIGHT IN A SINGLE-ENGINE AIRCRAFT Y / N	
CEILING DAYNIGHT	IF YES, LIST LIMITATIONS (e.g., no mountainous terrain, no over-water flights, will reach cruise altitude before sunset)	
VISIBILITY DAYNIGHT		
MY PRECISION APPROACH MINIMUMS		
CEILING DAYNIGHT		
VISIBILITY DAYNIGHT	I WILL	
MY NON-PRECISION APPROACH MINIMUMS	I WILL	
CEILING DAYNIGHT	Only fly when I am proficient with the aircraft	
VISIBILITY DAYNIGHT	limitations, performance, normal and emergency procedures, systems, and avionics.	
FLIGHTS INTO DEPICTED RADAR RETURNS (CHECK YOUR COMFORT LEVEL)	 Use precautions when transitioning to different aircraft/avionics/systems. 	
RAIN - O-O-O-O-O-O-O-O-O-O-O-O-O-O-O-O-O-O-	 Consider the risks of flying over mountainous terrain. Fly with current GPS database, charts (or EFB), and a backup (as required). 	
SNOW LIGHT MODERATE HEAVY	Not use my aircraft's deicing and anti-icing equipment for prolonged flights in icing conditions, but rather to escape icing conditions.	
MIXED	Fly with adequate de-icing fluid (if applicable). Always get a recorded FAA weather briefing for flights away from home base.	
AIRPORT	Fly with a qualified pilot or CFI (or postpone the flight) if my personal minimums are not met.	
RUNWAY MIN. LENGTH RUNWAY MIN. WIDTH	Pilot signature	
 Aircraft performance degrades when density altitude is above 1,000 feet. As a result, ASI recommends 	CFI/witness	
adding 50 percent to the POH takeoff or landing distance over a 50-foot obstacle.	Last updated/	

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Soldierstone

A hidden memorial in Colorado honoring forgotten war veterans

Hidden high in the Rocky Mountains of Colorado, in a remote and unmarked field, is a secret monument honoring war veterans. The lonely pillar of polished granite sits at more than 11,000 feet, in a clearing among majestic peaks.

Lieutenant Colonel Stuart Allen Beckley, was the soldier behind "Soldierstone." By all accounts Beckley was a soldier's soldier. He served for nearly a decade in Southeast Asia during the Vietnam War. "If you know anything about Special Forces, Green Berets, they're the people that parachute behind the lines and they work with indigenous people and help them defend themselves," Roy said.

The troops he trained and served with had been secretly recruited by the CIA. Made up mostly of Hmong and Lao decent, this secret army took tens of thousands of casualties fighting communism in Southeast Asia – lives that otherwise might have been American.

But for decades, the U.S. government denied their sacrifice.

In a recording Beckley made after he retired, it was clear that ignoring those foreign fighters haunted him long after the war had ended: "I made a silent promise to myself that they would have their memorial, and it would not just be in Asia; their memorial would be in the Unites States as compatriots of ours," he said.

In 1990, Beckley set out to build his tribute with the help of stone cutter Mike Donelson.

A long-forgotten videotape documented the construction "on top of the world." Civilians, active duty, and retired veterans made up the small army who unloaded eight tons of hand-carved granite, not just for the pillar but 36 so-called "quote stones," weighing 300 pounds a-piece, etched with a poem or proverb written in Laotian, Thai, and Vietnamese, among other languages.

They were scattered like fallen troops around the monument itself. In the summer of 1995, Beckley's memorial to foreign fighters was finally finished. It was the same year he died of cancer. He never saw his offering in person.

In 2013, a YouTube post appeared and the secret of Soldierstone was out. Ranger Tristram Post will help you find Beckley's Soldierstone, but only if you ask: "We have tried very hard, as much as we can, to respect his vision that it would be a spot where people would just sort of find it," she said. Although the National Forest Service watches over the memorial, it's been volunteers who really keep it up, managing the collection of mementos left behind by visitors, such as military service pins, and making sure there's no trash or graffiti. CBS News

The British Avro Vulcan Bomber Simulator

(Article and photos by Dave Rudd)

EAA Chapter 766 Members Glenn Valenstein, Paul Walter and Dave Rudd were invited to a Simulator demonstration at the home of Steve McNeilly, a former Aviation Heritage Center board member. For the record, Steve also owned the T-33, which we are working on right now in the hangar.

Steve is a pilot for Southwest airlines and is also on the board of the Mitchel Museum of Flight at General Mitchel Field in Milwaukee. Before arriving at Steve's house for the unveiling of his simulator, Paul suggested we stop at a VFW in Waterford called "The Bunker DMZ". It was unlike any other VFW hall. Outside decorations include a tank, a couple of planes on static display, a control tower, a helicopter, aircraft wing hanging on the front of the building from a AT 6 and a jeep that was turned into a grill. While entering, we noted memorabilia like army helmets, grenade launchers and pictures of different military wars. The menu has a military flair from the Spam Burger, which they call the Bataan Death Burger. They also serve a pork chop sandwich, called Pork Chop Hill.











After eating, we went to Steve's house in Franklin. We could tell we were entering a house a pilot owns by the displays on the walls. His daughter assigned us a number for the simulator experience. We then headed downstairs where the simulator was humming; as if the APU was getting ready for our flight. Steve showed us a short orientation film and then we got our turn in the simulator.







The simulator is a British Avro Vulcan Bomber, which he designed and takes up most of the basement. The simulation was amazing as the controls and graphics were very responsive. Paul even got a couple of chances to do a couple of barrel rolls! Steve and his family were very gracious in providing snacks and adult beverages while we waited for our sim ride. He had about 30 people come in for the simulator premier. Steve had a lot of help building the computer graphics, the controls and the exterior of the Vulcan Simulator.

The three of us would like to thank Steve and his family for sharing this experience with us and for being such gracious hosts. Submitted by Dave Rudd

Aviation Scholarships

There are many organizations across the country that offer aviation-related scholarships. The scholarships are available for those interested in many different aspects of aviation including pilot, management and maintenance. The scholarships range in value from \$500 to \$6000 and some are offered every six months. It is best to prepare early and have letters of recommendation available. The following are some of the organizations that offer scholarships or have accumulated scholarships to view:

EAA Chapter 766 Scholarships

https://www.766.eaachapter.org/chapter766scholarships.htm

EAA Scholarships

https://www.eaa.org/en/eaa/youth/scholarships/post-secondary-scholarships

Scholarships.com

https://www.scholarships.com/financial-aid/college-scholarships/scholarships-by-type/aviation-scholarships/

AOPA Scholarships

https://www.aopa.org/training-and-safety/learn-to-fly/aviation-scholarships

FAA

https://www.faa.gov/education/grants_and_scholarships/aviation/

College Scholarships.org

http://www.collegescholarships.org/scholarships/science/aviation.htm

Aviation History Through Film at the AHC

An Educational and Enlightening Journey led by instructor, Dan Miller
Second Friday of each month
Doors open at 6:30pm Classes begin at 7pm
Cost: \$2 per night or \$20/annually, payable at first session
2020 Aviation Heritage Center of Wisconsin Movie Night Schedule

January 10 - **1941** is a 1979 American comedy film based on what has come to be known as the <u>Great Los Angeles Air Raid of 1942</u>

February 14 - *Island in the Sky* is a 1953 American drama film considered one of the "classic" aviation films with John Wayne

March 13 - PT 109 depicts the actions of John F. Kennedy (JFK) as an officer of the US Navy in command of Motor Torpedo Boat PT-109

April 10 - *A Guy Named Joe* (Spencer Tracy) is the reckless pilot of a North American B-25 Mitchell bomber flying out of England during WWII

May 8 - Test Pilot is a 1938 film that tells the story of a daredevil test pilot (Clark Gable), his wife (Loy), and his best friend (Tracy)

June 12 - *Flight of the Intruder* is a 1991 war film based on the novel by former Grumman A-6 Intruder pilot Stephen Coonts

July 10 - *First Man* is a 2018 American biographical drama film based on the book *First Man: The Life of Neil A. Armstrong*

August 14 - *The Bridges at Toko-Ri* is a film about the U.S. Navy pilots assigned to bomb a group of heavily defended bridges in North Korea.

September 11 - **Behind Enemy Lines** tells the story of Lieutenant Chris Burnett, an American <u>naval flight officer</u> who is shot down over <u>Bosnia</u> and uncovers <u>genocide</u> during the <u>Bosnian War</u>

October 9 - *Thirteen Days* is a film that dramatizes the <u>Cuban Missile</u> <u>Crisis</u> of 1962, seen from the perspective of the <u>US</u> political leadership

November 13 - *Bombers B-52* is a film describing the introduction of the Boeing B-52 Stratofortress bomber into the US Strategic Air Command (SAC) inventory during the Cold War era of the 1950s

December 11 - *Midway* is a 2019 American war film based on the attack on Pearl Harbor and the subsequent Battle of Midway during World War II

When was the First ...

(Wikipedia)

The **first text message** was transmitted Dec. 3, 1992. Engineer Neil Papworth typed "Merry Christmas" on a computer and sent the **first** SMS **message** to the cellphone of Vodafone director Richard Jarvis.

Invented by Ray Tomlinson, **email first** entered limited use in the 1960s and by the mid-1970s had taken the form now recognized as **email**.

The world's **first television** stations **first** started appearing in America in the late 1920s and early 1930s. The **first** mechanical **TV** station was called W3XK and was created by Charles Francis Jenkins (one of the inventors of the mechanical **television**). That **TV** station aired its **first** broadcast on July 2, 1928.

Digital television (DTV) is the transmission of television <u>audiovisual</u> signals using <u>digital</u> encoding and was the first significant evolution in television technology since <u>color television</u> in the 1950s.[1] A <u>transition</u> from analog to digital broadcasting began around 2006.

The year 1886 is regarded as the birth year of the modern **car** when German inventor Karl Benz patented his Benz Patent-Motorwagen. **Cars** became widely available in the early 20th century. One of the **first cars** accessible to the masses was the 1908 Model T, an American **car** manufactured by the Ford Motor Company.

On December 17, 1903, Wilbur and Orville Wright made four brief flights at Kitty Hawk with their **first** powered **aircraft**. The Wright brothers had invented the **first** successful **airplane**. The Wrights used a stopwatch to time the Kitty Hawk flights.

Powered **aircraft** were **first** used in **war** in 1911, by the Italians against the Turks near Tripoli, but it was not until the Great **War** of 1914-18 that their use became widespread. At **first**, **aircraft** were unarmed and employed for reconnaissance, serving basically as extensions of the eyes of the ground commander.

The **Internet** was first connected in October, 1969 and was called ARPANET. The World Wide Web was created at CERN in Switzerland in 1990 by a British (UK) scientist named Tim Berners-Lee. Today, people can pay money to access the **Internet** from **internet** service providers.

January 20, 2020 Chapter 766 Meeting Minutes

Twenty-five members attended the 7 pm meeting

Chapter President, Dan D., asked previous and current board members for updates:

Vice-President, Michael J. – no comment at this time

Secretary, Kyle H. – not present

Treasurer, Jim F. – not present

Activities, Dave R. – not called upon

Membership Director, Luiz C.

Accepted Membership dues and Holiday Party responses Two new members – Matt G. and Mike M.

Newsletter Editor / Web, Bruce B.

Passed signup sheet for main dish volunteers

New webpage (Sitecore) is being worked on

The current/past photos and newsletters are backed up

Scholarships will continue – two at \$1000 or as funds allow

Suggested having a Wings & Wheels meeting – 30th year Suggested having a committee look at current 766 by-laws

Young Eagles, AHC Education, Bridgett N.

(Dec. 19, 2019 Education Committee Minutes)

New Display case in museum - drafting layout of items

Mead Library display in 2020 - similar to the April 2019 display

GIFT week academy - June 14-20th

Youth Aviation Adventure - April 18 & Sept.?

Girls in Aviation – two events in 2020 for Girl Scouts

Career Days for 2020 - March 3rd

Private Pilot Ground School Classes – suggested for this winter

Sheboygan Falls Summer School – three Fridays in June 2020

Possible Rusty Pilot Seminar – Andy Miller

VMC Club – instructor has been found, should start in 2020

Program Director, Dan M.

The guest speaker called in sick just before the meeting, so Dan M. started a discussion of movie night, which lead to the DC-3 parked on the tarmac, which lead to Glenn V. telling stories of the DC-3 flight back to Sheboygan.

Newsletter Submissions

Please send news, original articles and/or photos by email to: pay4wardnow@gmail.com

Acceptable format for text is WORD, EXCEL and PAGES. Send photos as JPEG. The editor reserves the right to reduce photo resolution, edit text or adjust layout to meet newsletter format requirements. Deadline for submission is the 16th of month prior to publish month. Please note: Hard copy/printed pages cannot be used.

Future Membership Meetings

March 16, 2020 with "Hanger Talk" at 6 pm and meeting at 7 pm April 20, 2020 with "Hanger Talk" at 6 pm and meeting at 7 pm

Disclaimer

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