

June 2023



houstonwing.org

COMMEMORATIVE AIR FORCE

Slips & Skids



250 students visit the hangar for annual program p. 6-8

IT TAKES A VILLAGE

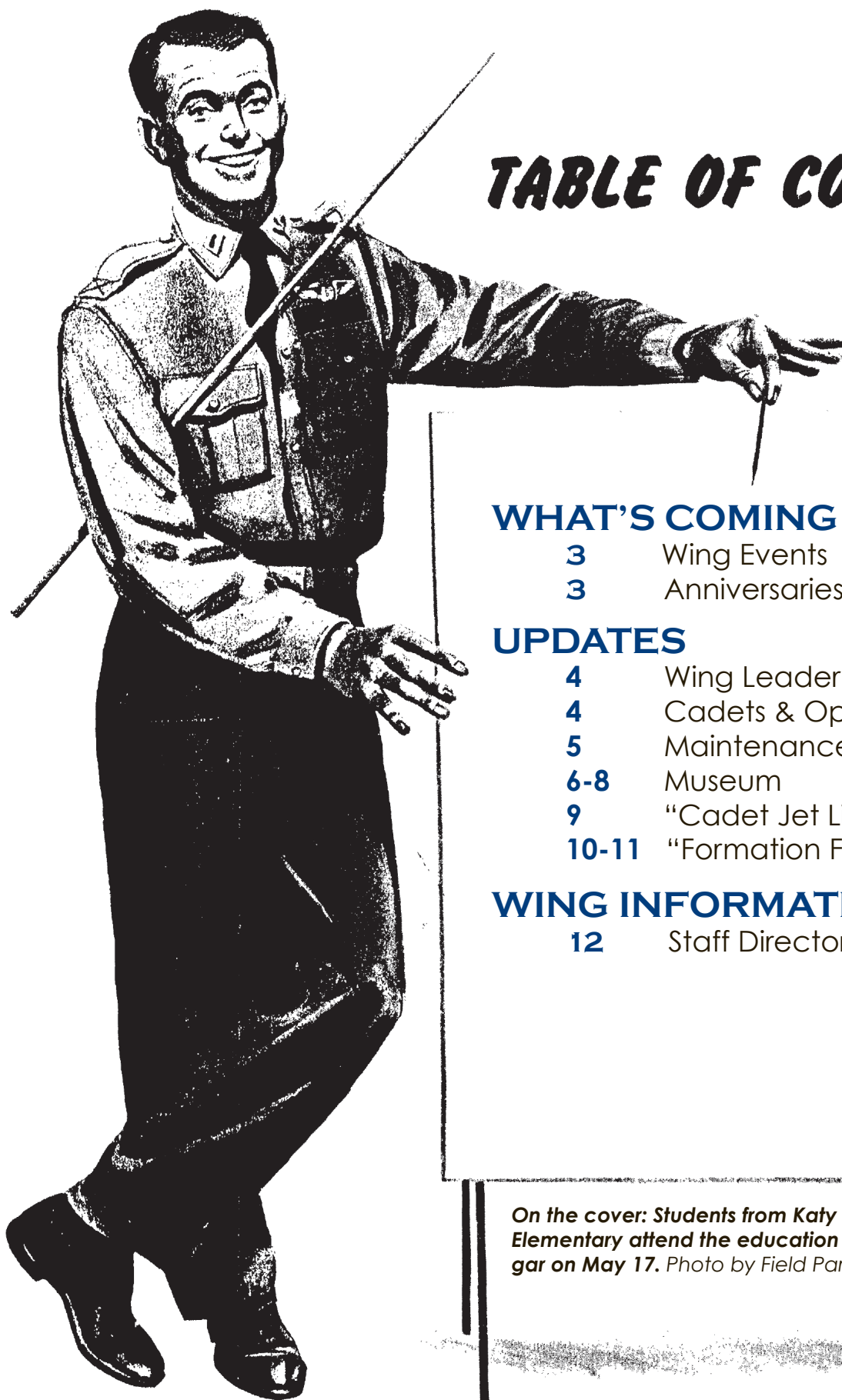


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On the cover: Students from Katy ISD's Pattison Elementary attend the education day at the hangar on May 17. Photo by Field Parsons



Upcoming Events

June 2023

3rd: Museum Day

17th: Museum Day

18th: Membership Meeting & Potluck

24th: Cadet 1940 Air Terminal Museum
Visit @ HOU

July 2023

1st: Museum Day

15th: Museum Day

15th: Cadet BT-13 Ground School &
Demo Flights

16th: Membership Meeting & Potluck

22nd: LBX Rides Day (T-6, BT-13 & N3N)

August 2023

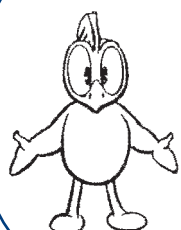
5th: Museum Day

11-12th: Moody Gardens Airshow

19th: Museum Day

20th: Membership Meeting & Potluck

26th: TME Rides Day



Airbird Annie Sez

We're looking for Colonels for the role of PX officer (most urgent), Cadet Coordinator, and a Marketing/Development Officer. Talk to Lisa to get additional information. No experience necessary. Thanks!



Airbird Annie Sez

Anniversaries

6/2/86	Franklin Godek
6/4/21	Brian Lipscomb
6/6/21	Fatima Shami
6/6/20	David Hornyak
6/8/20	Gonzalo Morales
6/9/21	JayJay Hayes
6/10/91	Kenneth English
6/14/16	Jack Faver
6/14/22	Brandon Buchanan
6/14/22	Dana Cleland
6/14/22	Saleem Zaidi
6/18/09	Howard Quoyeser
6/19/18	Adrian Sisso
6/21/06	Daniel Gould
6/21/22	Bobby Rose
6/25/09	Cornelia Stone
6/18/03	Bob Linguiti
6/18/14	Chuck Waters Jr
6/30/09	Frank Vargas Jr

Birthdays

6/4	Bruce Thomas
6/6	Dewey Lockwood
6/15	Ashley Pickhardt
6/17	Franklin Godek
6/29	Ed Vesely





Wing Leader

BY LISA SANFORD



I hope everyone has had a pleasant month of May. The 'sticky' factor inside the Hangar tells me that summer is upon us. Please remember to stay hydrated while working or visiting the Hangar. There is a filtered water fountain just to the left of the fridge that serves up ice cold water, so please consider using

this instead of taking bottled water from the fridge. The fountain also has a water bottle filler option on it so you can easily refill the reusable bottle you bring from home.

Our long awaited Wing shirts have come in so if you are in need of a Wing T-shirt, Polo Shirt or Fishing shirt we have them in stock. Please see one of the staff if you would like to purchase one. We also have new Wing Caps in stock in two different styles. We will have the PX trailer open most Saturdays, so stop by and pickup your favorite Houston Wing merchandise.

Brian is working hard to setup a rides day at a couple of different local airports. We would bring our PX along and make a fun day out of it for our volunteers and riders. Please watch your inbox for a Wing email giving you details. We will also be re-opening our regular rides program very soon, so stay tuned.

I would like to congratulate our Operations Officer Matt Brzostowski on receiving his instructor/check pilot rating in the UC 78/T-50 this month (Bobcat). Matt is also an instructor/check pilot in the PT-19 and will be training for the same in our BT-13 once it is out of annual. Please congratulate Matt and thank him for his continued hard work and support when you see him.

See you around the Hangar. ✈️



Cadets

BY MATT BRZOSTOWSKI



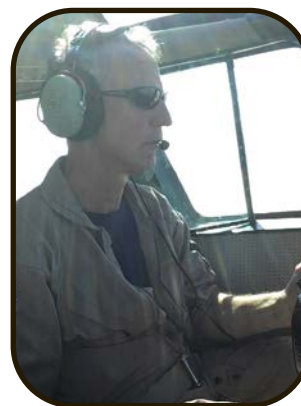
This month, the Houston and Gulf Coast Wing cadets had an exciting tour of Jet Linx Aviation, a private charter operator, led by Col Field Parsons. Check out GCW Cadet Coordinator Scott Williams' guest article detailing the adventure.

Our former Cadet Leader Jason Morales was recently accepted into the Stephen F. Austin State University aviation program! We are all very excited for him and this next step.

Next up is a visit to the 1940s Air Terminal Museum at Hobby on June 24, followed by BT-13 ground school and demo rides on July 15. It's going to be another exciting month for the cadets of the Houston Wing! ✈️

Operations

BY MATT BRZOSTOWSKI



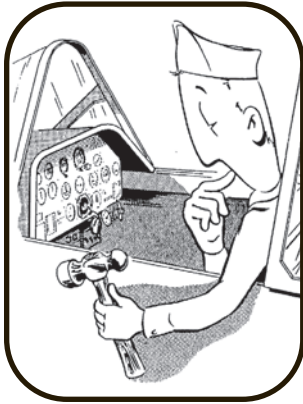
Wayne Loeber represented our wing at the LBX regional fly-in with our BT-13. The N3N was active giving member rides following their help with the Katy ISD visit. Cory Baldwin (initial), and Matt (annual recurrency), have N3N 602 rides lined up with Nathan in June.

Wayne has sponsored Ace and we are awaiting his transition letter so he can start training. A couple of rides days are being planned with outlying airports utilizing our N3N, BT-13 and Ace, so stay tuned for more details. We have committed to flying Ace to the Corsicana Airshow in Sept., and preparations are already underway for Wings Over Houston! ✈️



Maintenance

BY STAN TURNER



The Houston Wing is blessed to have a group of talented maintainers. They can fix anything thrown at them given a little time. The hangar door motor and gear box finally gave up after years of service. For about 2 weeks the hangar door had to be opened and closed manually.

George Ducommun disassembled, cleaned and lubricated the gear box. The next weekend he replaced the 220V drive motor. Thanks to George we now have an operational door once more.

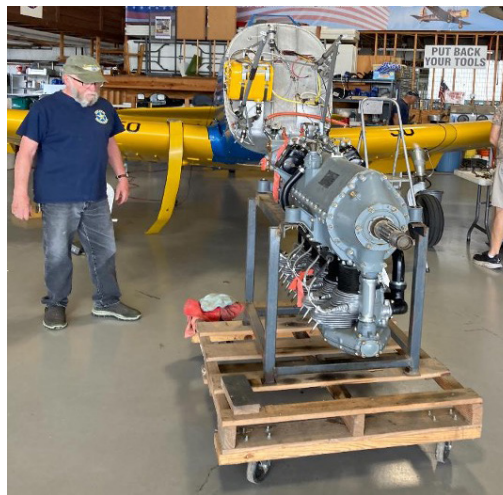


The new motor installed on the hangar door. Photo by Stan Turner.

PT-19 Update

Regrettably, the Ranger engine on the PT-19 needs to go out for teardown and rebuild. There was too many shiny metal chips in the oil to risk doing anything less. We have located the only known shop to do this in Pennsylvania. The PT-19 team removed the accessories and then the engine during a Saturday work party. The rebuilt engine will hopefully be reinstalled in 4-5 months then we can get her back in the air once more. Many thanks to Maddie King, Wayne Loeber and Max Grouseau for removing the accessories. Thanks also to George Ducommun, Rick Baker and Ed Bergman for removing the engine and reinstalling the cowling for

safe keeping. I have to admit it is a little painful to see our hard work take a step backwards like this but sometimes that is the nature of mechanical things. We press on...



Above: Wayne, George, Rick and Ed prepare the engine for removal. Left: Rick stands guard over the palatted Ranger engine. Photos by Stan Turner

BT-13 Annual

The BT-13 team started on the aircraft annual inspection and maintenance Saturday, May 20. A propeller governor was replaced and a sump oil drain system was installed to minimize oil leakage while parked. Reassembly of the fairings and cowling are in progress and the plane should be back in service early June. ✂



Carlos Sisso and Lisa Sanford install spark plugs during the BT-13 annual inspection. Photo by Stan Turner



BY SAM HOYNES



During the last two months of the school year, we hosted field trips for two private school's fifth graders and one Katy ISD elementary school's fifth graders. Between these three school field trips we ran over 250 fifth grade students through the WWII Education Program we developed over 10 years ago.



April 20th, 10:00 – 12:00 — We hosted the Berean Christian Academy's 21 fifth graders and almost as many of their parents. This is the third year for this school, and it is unique as the students are all dressed in WWII Clothing, (Uniforms, Rosy the Riveter, dresses, etc.).

April 24th, 10:00 – 12:00 — We hosted St. Mark Lutheran schools 28 fifth graders. This is the first year for a field trip from this school.

May 16th and 17th, we hosted Katy ISD's Pattison Elementary and its 197 fifth graders. We greet one group of 50 students from 9:20 – 10:50 then another group of 50 at 11:30 – 1:10 both days for a total of 197 students. This is the eighth year we have held field trips for students from this school. (We missed two years due to virus restrictions.)

When the students arrive at our Hangar, we take them upstairs for a short briefing about the CAF and our goal

of preserving WWII History. This is followed by a short hangar safety talk.

The students are then broken down into 3-4 small groups of (7-12 students), and we rotate each group through four educational stations where they spend from 20-25 minutes before rotating until they all have been in all four educational stations.

Station 1

Museum – Where we stress the “Home Front”, “Women at War” and talking about some examples of WWII Technology (Gibson Girl Radio).



Station 2

How an Airplane Flies – Using our N3N the concept of flight is explained as are the functions of the various control surfaces of the aircraft.





Station 3

Aircraft Cockpit Tour – We show the students the BT-13 and AT-6 allowing them to get into the cockpit and explaining some of the flight controls and instruments to them. While not in the cockpit another volunteer shows them the aircraft and talks about its history.



Station 4

C-60 and simulated Parachute Exercise – After a short talk about the C-60 and its use in training paratroopers in WWII, we put each student into a backpack set up to simulate a parachute and have them participate in a simulated parachute jump.



This school field trip program has been a big part of our Wing's educational program and over the years we have exposed literally thousands of local fifth grade students to our hangar and hopefully given them some education about aviation and WWII.

In order for us to accomplish this type of field trip it takes at

least 10-12 of our Wing's members to volunteer to help out with each session held.

This year to handle this we had over 26 Wing members and friends of members' volunteer to help. Some helped with all sessions, and some were only able to help for one or two sessions. Without the help of all our volunteers we could not have conducted these important field trips.

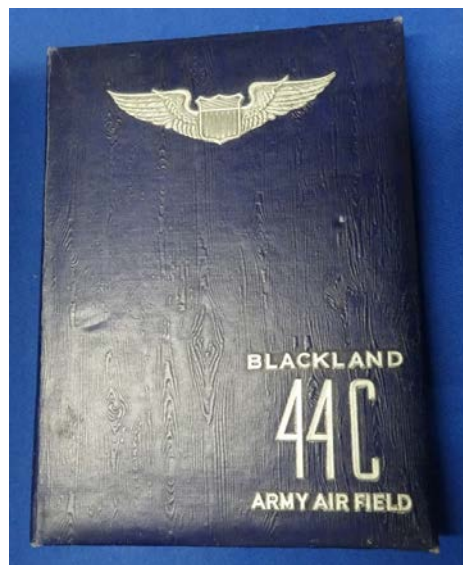


I want to thank all the people, listed below, who came out and helped with these field trips. (I may have missed one or two volunteers, but I tried to include everyone. I also apologize in advance for spelling of names.)

Jim Buser, Chuck Waters, Bob Linguiti, Rich Welsh, Betty Welsh, Lisa Sanford, Jeremy Wright, Jason Delaney, Matt Brzostowski, Manual Cachutt, Tom Calpouzos, Mike Anglin, Mike Hiner, Tony Bohnert, Richard Hamilton, Katherine Hamilton, Joe Kudrna, Fox Benton, Caro Maitland, Suzanne Bredlau, Ayaz Malik & his granddaughter, Field Parsons, Mark Godleski, Charlie Lindley, Don Phillips, Sam Hoynes, Max Grousseau, & Maddie King.

Do You Recognize this WWII Pilot Training Yearbook?

We have apparently recently acquired this 1944 Pilot Training yearbook from Blackland Army Air Field, which was located near Waco, TX.



Due to bad memory or sloppy paperwork, nobody we have asked seems to remember acquiring this important part of history. We will gladly add this book to our museum collection of Pilot Training Yearbooks, but we would like to know who donated it and some of the history of this particular yearbook, if it is available.

If you donated this yearbook or know anything about it, please contact Sam Hoynes. s.h.hoynes@sbcglobal.net ✈️



Cadet Jet Linx Visit

BY SCOTT WILLIAMS



watched and listened in the plush passenger lounge at the Jet Linx facility.

Gulf Coast Wing and Houston Wing Cadets shared a great adventure, that of visiting Jet Linx corporate flight operations at Houston Hobby Airport thanks to Col Field Parsons. Field showed Cadets a video and gave a talk about Jet Linx and his experiences flying the Beechjet 400 as we

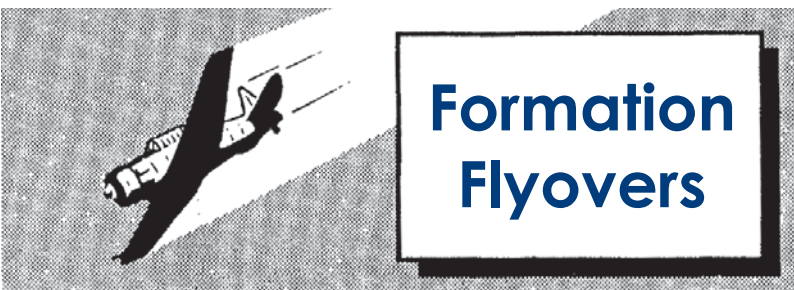
This was an amazing experience for all Cadets (and Colonels!), again, thanks to Col Field Parsons! We are thankful to Jet Linx for allowing us this amazing opportunity!

[Editor's note: Field, here! It was a blast having the cadets and some of their parents out to visit the base. I got my first hands-on introduction to aviation at the 2014 CAF Bluebonnet Air Show where I took a ride in their SNJ and the C-47 *Bluebonnet Belle*. One of the main reasons I joined the CAF in 2021 after attending Wings Over Houston was to give back more to the CAF than it has given to me. I'm always glad to show anyone around my office if you're interested, non-CAF members included. Shoot me a text or an email if you'd ever like to come out and see us!]



During and after the talk, questions from Cadets were welcomed and answered which gave Cadets yet another positive career path to follow in life should they go down the road to corporate flying. Jet Linx offers a career progression into a pilot position with Southwest Airlines, a road that Col Parsons is on that will lead to flying the Boeing 737 in Federal Aviation Part 121 Operations as a Major Airline Pilot! After the talk, all were shown the remainder of the facility, including the much-anticipated Beechjet 400. Cadets were briefed on the aircraft and were graciously invited to sit in the leather seats in the passenger cabin of this very fine flying machine. Field took the right cockpit seat and cycled in and out of the captain's seat, all members of the tour, explaining aircraft systems and cockpit instrumentation.





Formation Flyovers

BY DAVE GUGGEMOS



The CAF performs formation flyovers for clients and for Public Service for National Holidays. They perform these flyovers at many locations across the country and with several different types of airplanes. Typically, the client may hold an event with a scheduled program, speakers,

and plays the national anthem or taps, depending on the nature of the event. We try to time our appearance overhead to coincide with the end of the anthem or taps. Sometimes we actually hit the timing pretty well.

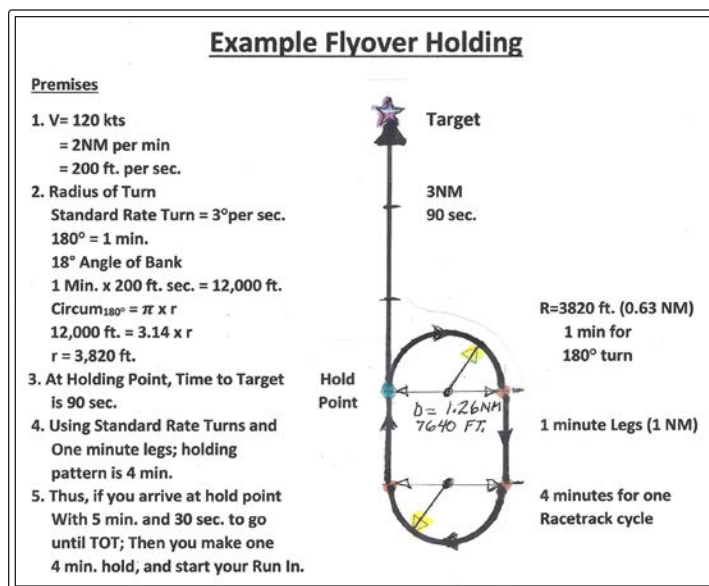
One other feature of our flyovers is the missing man salute, which involves a flyover in fingertip formation with the Number three wingman pulling upward and off to the west in a salute to the missing man, or all veterans who may have passed away. The remainder of the formation flies straight on through and then returns to base. These missing man salutes are normally performed at funerals and holidays such as Memorial Day.

The intricacies we encounter in performing a flyover with a missing man salute occur due to the timing of the overflight in order to actually fly over the attendees at the moment of completion of the anthem or taps. That timing begins with a program with a specific time hack for completion of the music.



Nathan Harnagel observes "Ace in the Hole" from the radio room of "Texas Raiders" during a July 4th flyover in 2022. Photo by Field Parsons

Then, we take that time hack, and build our inflight pattern to match, so that we overfly when the time hits its mark. For the crowd, it seems that we magically appear at that precise moment.



DETAILS

In order to get the timing under control, we try to execute the flyover in a manner which allows the lead to make an approximate calculation as to when the flight will be at the target on time.

We try to standardize our timed approaches as much as possible to improve our chances of a successful outcome, by using some simple premises.

- Airspeed = 120 knots. That equals 2 nm per minute or 200 ft. per sec.
- Angle of Bank = 18° for a standard rate turn of 3° per sec. 2 minutes for 360° , 1 minute for 180°
- Radius of Turn = 3820 ft. Diameter of Turn = 7640 ft.
- Hold point = 3 NM from the target (allows for a 90 sec run in with the hold point close enough to allow for last minute changes in schedule by the hosts.)
- The standard rate racetrack holding pattern with 1 minute legs takes 4 min.
- Thus, if you arrive at the holding point and want to make one 4 minute turn and then run into target, you need to arrive at the holding point with 5 minutes and 30 seconds remaining until the Time over Target (TOT).

There are obviously many variables as to the hold pattern methodology, but the principle is the same. The attached diagram shows graphically the details for the holding pattern for the example described above. The possible variations are many and would fill a book.



GROUND SUPPORT

We at the Houston Wing are blessed with our ground support team, led by Sam Bulger. Sam arrives on site early and communicates with the client to set up the run in heading for maximum viewing opportunity, and exactly when they want the planes to arrive overhead, i.e. The TOT. He positions himself where he can see the airplanes arrival path, and gives heading corrections to lead as needed.

The Ground Support person finds out what the client schedule is like and communicates with Lead to ensure we know any changes to our arrival TOT. Many times the client schedule goes out the window as soon as they start their program. When that happens we adjust as best we can and fly the flight as briefed.

When a “Missing Man” is performed, the Ground Support person usually has the best view and will call for smoke from the pulling airplane and also call the pull (3, 2, 1, Pull). Then the pulling airplane starts its upward motion very slowly and gently. Once clear of the formation, the pulling airplane adds power and starts a gentle climbing turn to the west as a salute to our fallen soldiers. Once the pass is complete we all return to base.

It is a lot of fun to be involved in these salutes, and the audience also appreciates the gesture in behalf of their loved ones. Without our Ground Support team, we would not be able to fly these flights, so we thanks them from the bottom of our hearts. These flights are a foundation pillar of the CAF.

CHANGE TO the AIM for FORMATION FLIGHTS

We wanted to alert you to the recent update to the AIM effective 4/20/23, section 4-1-20, Transponder



Top left: The Centex Wing's B-25 “Yellow Rose” flies in formation with their AT-6 in a July 4th blessing of the fleet flyover in Austin, TX. Top right: The US Navy Blue Angels fly in tight formation over Wings Over Houston 2022. Bottom: Houston Wing members perform a missing man flyover during Warbird Weekend 2022. Photos by Field Parsons

and ADS-B Out Operation, that now instructs flight leads to squawk 1203 (instead of 1200) when leading a formation. The only change is the squawk number.

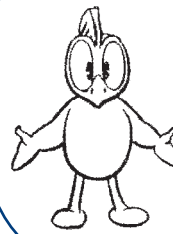
New Change in April 2023 from the AIM: “When participating in a VFR standard formation flight that is not receiving ATC services, only the lead aircraft should operate its transponder and ADS-B Out and squawk code 1203. Once established in formation, all other aircraft should squawk standby and disable ADS-B transmissions.”

During our flyovers during the Memorial Day flyovers, none of our controllers were aware of this change, so it may take a while to get everyone up to speed.

Happy Flying! Safety is a part of our culture. ✈️



Staff Directory



Airbird Annie Sez

We're looking for Colonels for the role of PX officer (most urgent), Cadet Coordinator, and a Marketing/Development Officer. Talk to Lisa to get additional information. No experience necessary. Thanks!

Wing Leader

Col Lisa Sanford
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Executive Officer

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PX Officer

Open

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Marketing/Development Officer

Open

