

COMBAT SYSTEMS OFFICER TRAINING GRADUATION CEREMONY

FRAINING WIT

Monday, June 16, 2025 National Naval Air Museum Naval Air Station Pensacola, FL

SEQUENCE OF EVENTS

ENTRANCE OF OFFICIAL PARTY

PRESENTATION OF THE COLORS Eglin Honor Guard

NATIONAL ANTHEM 2d Lt Micah Swedeen 479th Student Training Squadron

INVOCATION Command Chaplain CDR Jeremy Selitto, USN

> NARRATOR Captain John Gluszek 451st Flying Training Squadron

OPENING REMARKS Colonel Shane Muscato Commander, 479th Flying Training Group

GUEST SPEAKER Colonel Larry Fenner Jr. Commander, 350th Spectrum Warfare Wing

PRESENTATION OF AERONAUTICAL ORDERS AND WINGS

AWARDS

AIR FORCE SONG

DEPARTURE OF OFFICIAL PARTY

OFFICIAL PARTY

COL SHANE P. MUSCATO

COMMANDER, 479TH FLYING TRAINING GROUP

COL LARRY FENNER JR.

COMMANDER, 350TH SPECTRUM WARFARE WING



Colonel Shane P. Muscato

Colonel Shane P. Muscato is the Commander of the 479th Flying Training Group at Pensacola Naval Air Station, FL. The Group includes four squadrons, 500 personnel and 45 T-6 Texan II and T-1A Jayhawk aircraft and trains over 300 Combat Systems Officers each year for the U.S. Air Force, Air Force Reserve Command and Air National Guard. Additionally, the Group supports over 1,500 Air Force personnel in the Pensacola, FL area.

Prior to joining the 479 FTG, Colonel Muscato was the Division Chief for the Special Operations Forces and Personnel



Recovery Capability Development Team as a member of Air Force Futures, Headquarters United States Air Force at the Pentagon, Arlington, VA. As the leader of this team, he directed the establishment of requirements for the special operations and personnel recovery formations of the Air Force to meet future operational needs. Furthermore, his team conducted wargaming and analysis of these future capabilities and provided updates to the Air Force's future force design to enable affordable, timely, and accurate effects in future conflicts.

Colonel Muscato was commissioned via the United States Air Force Officer Training School, Maxwell Air Force Base, AL. He is a master navigator with over 3,100 hours. He has deployed in support of numerous operations including ENDURING FREEDOM, IRAQI FREEDOM, NEW DAWN, FREEDOM'S SENTINEL and INHERENT RESOLVE. Colonel Muscato has commanded at the squadron level, expeditionary squadron level, and as the Combined Joint Special Operations Air Component-Afghanistan Deputy Commander.

Colonel Larry Fenner Jr.

Colonel Larry Fenner Jr. is the Commander, 350th Spectrum Warfare Wing, Eglin AFB, Florida. The 350 SWW's primary mission is to provide rapid electronic combat power to Commanders during peacetime, through crisis and in war. Colonel Fenner advises the USAF Warfare Center Commander and Department of the Air Force senior leaders on the integration of technology, policy, and operations enabling forces to attain Spectrum Warfare superiority. As the Air Force's newest Wing, the350 SWW will grow to support 2300 military and civilian personnel across ten units at three locations throughout the United States.



Colonel Fenner received his commission in 2000 through the Reserve Officer Training Corps program at the University of Illinois Urbana-Champaign. He has served as Vice Commander, 36th Wing, within the United States Indo-Pacific Command and Air Force Global Strike Command as Chief of Bomber Requirements. He flew joint operational combat missions in Afghanistan and Iraq supporting Operations SOUTHERN WATCH, ENDURING FREEDOM, and IRAQI FREEDOM and served as the Joint Air Component Coordination Element Director for Operation INHERENT RESOLVE.

Colonel Fenner is a Master Navigator with 900 combat hours and more than 2,900flight hours.

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Squadron Commanders

<u>479 STUS</u> Lt Col Austin Lohman

479SS Lt Col Michael Matchett

<u>455 FTS</u> Lt Col Benjamin Hoffman

451 FTS Lt Col Joshua Lancaster





Graduate Flight Commanders

Capt Laird Capt MacDonald Capt Mims Capt Morehead Capt Sostre Capt Trammell Capt Wade Capt Wortman Capt Drake Capt Irvin Capt Nguyen Capt Bullotta





2d Lt Nathan D. Borges

Hometown Aircraft Assignment Marlborough, MA B-52, WSO Barksdale AFB, LA

2d Lt William D. Cameron

Hometown Aircraft Assignment Chesapeake, VA AC-130J, CSO Kirtland AFB, NM

2d Lt Garrett Camp

Hometown Aircraft Assignment Queensbury, NY LC-130H, Nav Stratton ANGB, New York



2d Lt Aaron A. Carranza

Hometown Aircraft Assignment Los Angeles, CA F-15E, WSO Seymour-Johnson AFB, NC



2d Lt Alanis Delgado Cruzado

Hometown Aircraft Assignment Mayagüez, Puerto Rico RC-135, EWO Offutt AFB, NE

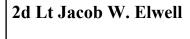




2d Lt Robert W. Denny

Hometown Aircraft Assignment Horsham, PA RC-135, EWO Offutt AFB, NE





Hometown Aircraft Assignment Leonardtown, MD F-15E, WSO Seymour-Johnson AFB, NC



Capt Henry J. Gilchrist

Hometown Aircraft Assignment Bellevue, WA F-15E, WSO Seymour-Johnson AFB, NC



2d Lt Ryan M. Grimes

Hometown Aircraft Assignment Woodsville, NH C-130H, Nav Cheyenne ANGB, WY



2d Lt Kaleb M. Heuer

Hometown Aircraft Assignment Two Rivers, WI MC-130J, CSO Kirtland AFB, NM



2d Lt Christopher R. Jannell

Hometown Aircraft Assignment Orange, VA B-52, WSO Barksdale AFB, LA





2d Lt Samantha M. A. Kanish

Hometown Aircraft Assignment Avella, PA C-130H, Nav Youngstown Air Reserve Station, OH

2d Lt Isaac A. Kisling

Hometown Aircraft Assignment Elkton, VA F-15E, WSO Seymour Johnson AFB, NC



2d Lt Zebedee V. Kumley

Hometown Aircraft Assignment Snohomish, WA B-52, WSO Barksdale AFB, LA



1st Lt Elizabeth R. Lamey

Hometown Aircraft Assignment Bentonville, AR RC-135, EWO Offutt AFB, NE



2d Lt Katherine L. Markovich

Hometown Aircraft Assignment Peoria Heights, IL F-15E, WSO Seymour-Johnson AFB, NC





2d Lt Manu S. Mathew

Hometown Aircraft Assignment Ellicott City, MD MC-130J, CSO Kirtland AFB, New Mexico

2d Lt Chloe K. Mitchell

Hometown Aircraft Assignment Akwesasne, NY F-15E, WSO Seymour-Johnson AFB, NC



1st Lt Kyle A. Mott

Hometown Aircraft Assignment Batavia, NY B-1B, WSO Dyess AFB, TX



2d Lt Peter T. Olberding

Hometown Aircraft Assignment Tucson, AZ F-15E, WSO Seymour-Johnson AFB, NC



2d Lt Christian M. Rapetti

Hometown Aircraft Assignment Hattiesburg, MS B-52, WSO Barksdale AFB, LA





2d Lt Michael T. A. Sabett

Hometown Aircraft Assignment Gaithersburg, MD MPRIS, EWO Beale AFB, CA

2d Lt Andrew J. Storer

Hometown Aircraft Assignment St. Louis, MO AC-130J, CSO Kirtland AFB, NM



2d Lt Landon T. Viera

Hometown Aircraft Assignment Las Cruces, NM RQ-170, EWO Creech AFB, NV



2d Lt Ty D. N. Wilkinson

Hometown Aircraft Assignment Davis, CA MC-130J, SO Kirtland AFB, NM

Outstanding Instructors

CSO Fundamentals Instructor Tactical Fundamentals Instructor Electronic Warfare Support Suppression of Enemy Air Defenses Advanced Navigation Instructor **DTD** Sensor Operation Instructor T-96 Simulator Instructor (CSI) T-6 Simulator (CSI) T-1 MTR WSO Instructor T-1 MTR EWO Instructor T-1 DT WSO Instructor T-1 DT SO Instructor T-1 Fighter Employment T-1 Bomber Employment Instructor T--1 Fighter Intercept Instructor T-1 Visual Low Level Instructor T-1 Instructor Pilot T-6 Instrument Instructor Pilot T-6 Navigation Instructor Pilot T-6 Formation Instructor Pilot Active Duty Academic Instructor Civilian Academic Instructor (CAI) Active Duty Intel Instructor

Capt Samuel Morehead Maj Sarah Brandt Capt Jonathan Mims Capt Nicholas Ronci Maj Victoria Taylor Capt Jacob Western Mr. Charles Cambers Mr. David Wooten Maj Dylan Lecce Capt Jacob Western Maj Garrett Mack Maj Kevin Warmington Maj Addison Fisher Capt Conner Goulet Capt Brandon Mule Lt Col Caleb Smith Mr. Gregory Keesler Maj Forrest Whitfield Maj Dan Derby/Maj Kirk Burns Capt Paul Mueller Capt Jacob Western Ms. Cynthia Curry SSgt Hanna Wingett

History of the 479th Flying Training Group

The 479th Flying Training Group (FTG) traces in lineage to World War II. In September 1943, Lt Col Leo Dusard was tasked with standing up a new fighter group. He began by selecting key personnel from the 329th Fighter Group (FG), and on October 15th the 479 FG was activated at Grand Central Air Terminal in California.

Following the reassignment of Lt Col Dusard, Lt Col Kyle Riddle took the reins of the 479 FG and quickly deployed the group to Europe. On April 16th 1944, 145 officers and 910 enlisted members deployed to Wattisham Royal Air Station near the village of Ipswich, England.

Only 11 days after arriving in Wattisham, the 479 FG participated in its first combat mission. Maj John H. Lowell led 34 P-38F *Lightnings* on a sweep over Holland and Belgium. On May 31st 1944, Capt Frank Keller of the 435th Fighter Squadron (FS) recorded the group's first kill by destroying a Junkers Ju-88 *Zerstorer* on the ground near Humfeld, France. Then, on July 29th, Capt Arthur Jeffrey made history as the first pilot to shoot down a rocket-propelled aircraft, a Messerschmitt Me-163 *Komet*, over Germany. On Thanksgiving Day 1945, the 479 FG boarded the *USS Enterprise* to return home to the United States. Upon return, the 479 FG was deactivated on December 1st 1945 at Camp Kilmer.

After World War II, the 479 FG was activated and deactivated several times:

- December 1952, 479th Fighter-Bomber Group, George AFB, California, North American P-51 *Mustang*.
- June 1953, 479th Fighter-Bomber Group, North American F-86F Sabre
- June 1954, 479th Fighter-Bomber Group, F-100A Super Sabre
- October 1957, group deactivated
- 26 July 1991, 479th Fighter Group, Holloman AFB, New Mexico, AT-38 *Talon*
- November 1991, group deactivated
- November 1998, 479th Flying Training Group, Moody AFB, Georgia, AT-38C & T-6A *Texan II*
- 21 June 2007, group deactivated

Finally, on October 2nd, 2009, the 479 FTG was activated at NAS Pensacola, Florida, under the Command of Col Travis A. Willis. The unit's mission is to train the Air Force's next generation aviator, the Combat Systems Officer (CSO). The 479th uses the T-6A *Texan II* and the T-1A *Jayhawk* to this end.

* The group's three fighter squadrons (434th, 435th, and 436th) aircraft didn't have cowling colored markings like other Eight Air Force fighter groups. Rather, the 479th Lightnings were distinguished only by their colored tail rudders.

The Evolution of the Combat Systems Officer

Combat Systems Officers (CSO) can follow their roots back to the advent of multi-crew bi-planes in WWI. During this time, CSOs fulfilled multiple roles to include navigators, observers, ordnance delivery, and intelligence gatherers on enemy positions across Europe. For many years, their duties on aircraft were not well defined. It wasn't until the historic "Southern Cross" flight across the Pacific Ocean in May of 1928 that the navigator's mission really began to take form.

Fourteen years after the historic "Southern Cross" flight, the United States entered World War II. In many World War II aircraft, to include the mighty B-26 flown by our 451st Bomber Squadron (BS) and 455th BS, the cockpit was designed for two crew members. As was typical with these aircraft, one seat was assigned to the navigator. In addition to navigation duties, the navigator also had bombardier responsibilities. This led to the affectionate term "bombigator", referring to this multi-purpose crew position.

After WWII, CSO aircrew duties were expanded to maximize U.S. Air Force aircraft combat capabilities. Vietnam-era aircraft and tactics paved the way for the three distinct aircrew roles CSOs perform today. These specialties include Weapon Systems Officer (specializing in weapons employment), Electronic Warfare Officer (expert in electromagnetic spectrum exploitation), and Panel Navigator (expert in aircraft positioning, time control, and orchestrating airdrop). Since their inception, these three separate aircrew specialties have sustained the U.S. Air Force's air superiority around the world. From OPERATION DESERT STORM, to OPERATION ALLIED FORCE, to OPERATION ENDURING FREE-DOM, to OPERATION IRAQI FREEDOM, CSOs have been the backbone of the US Military's operational successes.

Today, the Combat Systems Officer title designates an aviator that is trained to perform duties either as an Electronic Warfare Officer, Weapon Systems Officer, or a Panel Navigator. And while the crew position's duties and name may have transformed over the years, its fundamental role to the lasting success of the United States Air Force has not. The demand for CSOs will only continue to grow in the 21st century as our nation upholds its global commitments and remains postured to defend our interests around the world.

As trained experts, Combat Systems Officers graduates project airpower in the interests of the Unites States in the following aircraft: AC-130J, B-1B, B-52, C-130H, EA-18G, EC-130, F-15E, HC-130J, MC-130J, RC-135, RQ-170, and U-28 aircraft.

The Air Force Song

by Robert Crawford

Off we go into the wild blue yonder, Climbing high into the sun; Here they come zooming to meet our thunder, At 'em now, Give 'em the gun! (Give 'em the gun!) Down we dive, spouting our flame from under, Off with one helluva roar! We live in fame or go down in flame. Hey! Nothing'll stop the U.S. Air Force!



For photos of today's events... Find us on Facebook! http://www.facebook.com/479FTG