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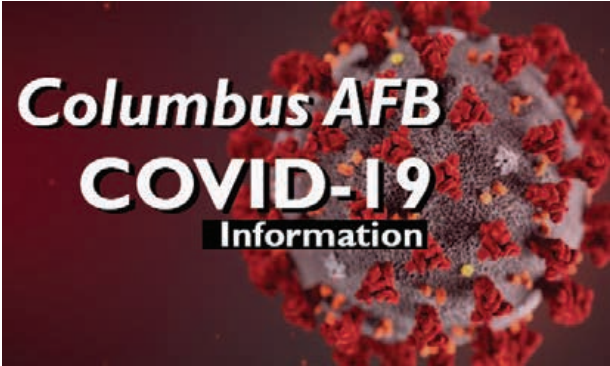


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## Columbus AFB COVID-19 Information

### COVID-19 General Info

The base is focusing on early, prudent steps to slow the spread of COVID-19 and safety of Airmen, families and communities.

Off-limit areas include any business or establishment that does not comply with Federal, State, and local COVID requirements.

#### Social Gathering Limitations

- Kaye – 92 person limit
- Event Center/Club – 145 person limit
- Phillips Auditorium – 22 person limit
- Walker Center – 112 person limit



U.S. Air Force photo by Airman 1st Class Jessica Haynie

**U.S. Air Force Maj, Michael Olson, incoming 14th Security Forces Squadron commander, salutes his new unit during a change of command ceremony, June 11, 2021, on Columbus Air Force Base, Miss. The 14th SFS is responsible for wing resource protection valued at over \$340 million, crime prevention, unit security programs and combat arms.**

## Defenders welcome new commander

**Airman 1st Class Jessica Haynie**  
14th Flying Training Wing Public Affairs

Maj. Cody Elliott handed over the reigns as 14th Security Forces Squadron commander to Maj. Michael Olson, during a change of command ceremony, June 7, 2021, on Columbus Air Force Base, Miss.

Olson is a career defender, previously serving as operations officer at the Central Command area of responsibility on Tinker AFB and flight Commander and officer in charge for convoy support for missile security on Malmstrom AFB.

“I feel confident that you are going to succeed here,” said

See COMMANDER, Page 3

### CHECK OUT COLUMBUS AFB ON SOCIAL MEDIA

**YouTube**  
Columbus AFB YouTube page

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**www.columbus.af.mil**



# COVID-19

Coronavirus Disease 2019



Army Sgt. Jonathan Fox, a combat medic assigned to 2nd Security Forces Assistance Brigade at Fort Bragg, N.C., administers a COVID-19 vaccine to a patient at the Milwaukee Community Vaccination Center in the Wisconsin Center, May 21, 2021.

## DOD vaccine centers draw down to 5

C. Todd Lopez  
DOD News

Back in February, the Defense Department partnered with the Federal Emergency Management Agency to set up community vaccination centers to administer COVID-19 vaccines to Americans who wanted them.

The Defense Department's fight against COVID-19 isn't limited to the U.S. Currently, DOD is also working to provide COVID-19 support to nations in South Asia, Kirby said.

"If you didn't see it over the weekend, Travis Air Force Base remains extreme-

ly busy supporting government efforts to provide emergency assistance to countries in South Asia," he said.

Travis Air Force Base in California is helping the U.S. Agency for International Development airlift much-needed medical supplies to help Bangladesh battle its latest COVID-19 surge, Kirby said.

"An Air Force C-17 flight departed late Friday from Travis for Dhaka, Bangladesh, carrying over 2 million pieces of personal protective equipment to protect thousands of health care workers in Bangladesh," Kirby said.

The U.S. military has also helped US-

AID provide assistance to other nations, including India, Nepal, Maldives, Pakistan and Sri Lanka.

The partnership between USAID and the DOD, he said, demonstrates the United States government's global response to ensure that life-saving assistance and supplies reach those who need it most.

Since that time, 16 million vaccinations have been administered. At the peak of the effort, there were 35 locations across the U.S. where teams of service men and women — as many as 222 — worked to provide vaccinations.

See COVID, Page 3

## Silver Wings

### How to reach us

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### Submission Deadline

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## COMMUNITY

(Continued from page 13)

### Volunteer Opportunities

If you are interested in volunteering, please contact the A&FRC. We have volunteer opportunities located across the base for one-time events, special events or on a continual basis. Volunteers are needed on base at the Youth Center, Child Development Center, Library, Medical Clinic, Chapel, Airman's Attic, Thrift Store, the Retiree Activities Office and many other locations. For more information, please call A&FRC at (662) 434-2790.

### Installation Voting Assistance Office

A&FRC houses the Voting Assistance Office (VAO) which is open Monday-Friday, 7:30 a.m.-4:30 p.m. and closed weekends/holidays. The VAO offers voting assistance including voter registration, absentee ballot requests and voting, change of address, and provides answers for other general voting questions to uniformed service members, their family members and civilians with access to A&FRC. Assistance includes but is not limited to aid in preparing and submitting Federal Post Card Application (FPCA) SF-76, Federal Write-in Absentee Ballot (FWAB) SF-186 and National Mail Voter Registration Form (NVRF). The VAO also leads and trains all installation unit voting assistance officers. For more information, please contact the Installation VAO at (662) 434-2701/2790 or e-mail: [vote.columbus@us.af.mil](mailto:vote.columbus@us.af.mil).

### Discovery Resource Center

The Columbus A&FRC has computers with internet access available for job searches, assessments, resumes, cover letters, state and federal applications and companies' employment information. A printer and fax machine is available. A lending library of books, DVDs and periodicals on transition and EFMP topics are available for check out. These resources are available on a first-come-first-serve basis.

### Pre- and Post-Deployment Tour Briefing

These briefings are mandatory for active duty personnel who are either deploying or returning from deployment or a remote tour. Please contact A&FRC at (662) 434-2794/2790 to schedule a briefing and/or for more information.

### Pre-Separation Counseling

This counseling is a mandatory briefing for personnel separating or retiring, and is to be completed at least 90 days prior to separation. It may be completed up to 12 months prior to separation or 24 months prior to retirement. Please contact A&FRC at (662) 434-2790 to schedule a counseling session and/or for more information.

### Employment Workshop

An employment workshop on local and base employment opportunities is held every Wednesday, 1-2 p.m. This program provides military families and DoD civilian members individual assessment and career counseling to assist with local employment, preparation for future endeavors via education, job search, or self-owned business objectives in the local area. For more information, please call A&FRC at (662) 434-2790.

### Survivor Benefit Plan

Are you nearing military retirement? The one decision you will need to make before you retire involves participation in the Survivor Benefit Plan (SBP). As with all good decision-making, you need to know the facts before you can make a sound decision. Always get the true facts about SBP before making up your mind. Additional details are available by calling your SBP Counselor Mary Chambers at (662) 434-2720/2790.

### Personal Financial Readiness

Need help with financial matters? Want to make the most of your money? The Personal Financial Counselor (PFC) can help you and your family: manage finances, resolve financial problems and reach long-term goals such as education, buying a home and planning for retirement. PFC services are at no cost, private and confidential. Please contact the PFC at (662) 998-0411.

Key Spouse Program (KSP)

The mission of KSP is to provide information and resources to military spouses, supporting families in successfully navigating through the military life cycle. The KSP is a CC's program. The CC establishes and maintains the program within the unit, to include choosing team members. Once selected as a KS in writing, you will need to attend initial/refresher KS training and continuing education. For more information, please call (662) 434-2839.

### Military and Family Life Counselor Program

Military and Family Life Counselors (MFLCs) provide non-medical counseling to help Airmen (single and married), spouses and other family members cope with stressful situations created by deployments, reintegration and life challenges such as martial issues, parenting, career stress and anger. All counselors are licensed mental health providers, and they can meet either on or off base. There is no charge for services, and appointments can usually be made within one to two days. To contact the MFLC, please call (662) 435-1110.

### Sponsorship Training

An electronic version of sponsorship training called eSponsorship Application & Training (eSAT) is the required training course to become a sponsor. It can be found in Military One Source's MilLife Learning training Course Catalog at this link <https://mil-lifelifelearning.militaryonesource.mil/MOS/f?p=SIS:2:0>. More online resources are available on Columbus AFB Living at <https://www.columbusafbliving.com/airmen-family-readiness-center/relocation-assistance/electronic-sponsor-resources/>. For additional information, please contact the A&FRC Relocation Manager at (662) 434-2701/2790.

## FSS

(Continued from page 12)

### Exclusive Military Vacation Packages

Did you know that you can book exclusive military vacation packages at ITT and save up to 60%? American Forces Travel is now serving APT and NAF civilians. Packages include Universal Studios and Disney destinations. To book your vacation at [www.americaforcestravel.com](http://www.americaforcestravel.com)

### CAFB Library

The Base Library is offering virtual board games, live craft demonstrations, STEM activities, book clubs and much more on their Facebook page: @columbusairforcebaselibrary. For more information, contact (662) 434-2934 or send them a direct message on their Facebook page, Columbus Air Force Library.

### FSS Gift Cards

Make your shopping easier! Purchase or redeem your FSS Gift Card at the following locations: Arts and Crafts, Bowling Center, Child Development Center, Columbus Club, Information Tickets and Travel, Outdoor Recreation or the Youth Center. For more information, stop by any of these locations.

### Horse Boarding Available

The CAFB Riding Stables usually has stall space available. For pricing and more information, contact Outdoor Recreation at (662) 434-2505.

### Free Mango Languages

Learn a new language today! Free Mango Languages available at the Base Library; real-life conversations in over 70 languages. For more information, contact (662) 434-2934.

### Lawn Mower and Bicycle Repair

Outdoor Recreation is now offering lawn mower repair and a self-help bicycle repair station that patrons can use for free. For more information, contact (662) 434-2507.

### Hobby and Craft Instructors Needed

Do you have a hobby or craft project you can share with others? Arts & Crafts is looking for craft instructors. For more information, contact (662) 434-7836.

### Wood Shop

The Wood Shop is now open Tuesday-Friday from 9 a.m.-5 p.m. The cost is \$5 for first hour and \$3 for every hour after the first. Please call (662) 434-7836 for any questions.

### Referees Needed

Referees needed for various sports at the Fitness Center. For more information or to sign up, contact (662) 434-2772.

### RV Storage Lot

Don't clutter your home space, park with us. Outdoor Recreation offers a great place to store your RV year around. You will have 24-hour access and can pay monthly or yearly. For more information, call (662) 434-2505.

### Instructors Needed

The Youth Center is seeking instructors for tumbling classes, dance classes, piano and guitar lessons. For more information, contact the Youth Center.

### Space A Lodging

The Magnolia Inn usually has openings for Space A family and single units. Contact the lodging desk at (662) 434-2548. Guest Services staff is on duty from 6 a.m.-10 p.m. daily. For reservations 24/7, visit <https://af.dodlodging.net/properties/Columbus-AFB>. After hours services call (662) 251-2931.

## Train World Class Pilots

## COMMANDER

(Continued from page 1)

Elliott to Olson during his parting remarks. "This squadron is getting an outstanding commander."

According to Col. Jeffrey Welborn, 14th Mission Support Group commander, under the command of Elliott, the 14th SFS built a new armory that centralized arming and preparation, saving over 5,000 man hours per year, resulting in defenders getting on patrol quicker.

The squadron maintains 24-hour law enforcement, security and antiterrorism force protection for a base community of 10,000 personnel.

"It is a true honor to get to take over this unit," said Olson. "It is a true testament to Elliott's leadership and guidance on how phenomenal this unit has been. It is a privilege to step in as the Security Forces commander."

**RIGHT: U.S. Air Force Maj. Cody Elliot, outgoing 14th Security Forces Squadron commander, thanks many personnel who has impacted his career as commander during a change of command ceremony, June 11, 2021, on Columbus Air Force Base, Miss. Elliott worked tirelessly to bring advancements to the 14th SFS such as a new armory which resulted in defenders being more proficient during turn-over times.**



U.S. Air Force photo by Airman 1st Class Jessica Haynie



U.S. Marine Corps photo by Lance Cpl. Justin T. Brown

**Marine Corps Pfc. Antonio Cason, assigned to the 2d Marine Division at Camp Lejeune, N. C., hands out T-shirts at a community vaccination center at the Liberty Bowl Memorial Stadium in Memphis, Tenn., May 1, 2021.**

## COVID

(Continued from page 2)

Now, after much success, that effort has drawn almost completely to a close.

"As of today, we are supporting eight vaccination sites and expect to reduce that to five by the end of today," Pentagon Press

Secretary John F. Kirby said. "We are proud of the support, of course, that our service members — both active duty and National Guard — have provided to combat this pandemic."

By Wednesday morning, he said, only five sites will remain open. Those sites are in New Jersey, Oklahoma, Oregon, Minnesota and Kentucky.



U.S. Army photo by Spc. Jacob Moir

**Army Pfc. Brandon Rodriguez, a combat medic with the 2nd Stryker Brigade Combat Team, 4th Infantry Division, signals a community member to drive forward at the community vaccination center at the Colorado State Fairgrounds in Pueblo, Colo., May 2, 2021. Rodriguez deployed from Fort Carson, Colo., to provide whole-of-government support at the Pueblo vaccination center. U.S. Northern Command, through Army North, remains committed to providing continued, flexible Defense Department support to the Federal Emergency Management Agency as part of the whole-of-government response to COVID-19.**



# NextGen Aerospace Professionals

**Airman 1st Class Jessica Haynie**  
14th Flying Training Wing Public Affairs

The Mississippi Civil Air Patrol experienced drastic declines in cadet attendance due to the global COVID-19 pandemic since the beginning of 2019.

Mississippi CAP has named a new commander, U.S. Air Force Col. Robert Mims, retired, who has been on a mission to increase numbers within the units. One strategy is introducing more technological advancements within the squadrons.

Mims hopes that the added innovation will encourage the younger population to become the next generation of Science, Technology, Engineering, and Mathematics (STEM) professionals.

Upon his assumption of command, Mims has traveled to various CAP squadrons around the state of Mississippi to share his plans for the future of the organization post COVID-19. Part of his strategy includes the purchase of unmanned aerial drones so that each CAP Squadron will receive two training drones and one mission drone.

"I recently signed approval for \$26,000 to be used to purchase small Unmanned Aircraft Systems," said Mims. "It is an important learning tool for the cadets to have."

According to 1st Lt. Corey Goodwin, CAP Gold-

en Triangle Composite Squadron commander, these drones can be very useful in all aspects of search and rescue and can also promote an interest in aviation, aerospace, and related career fields throughout the Golden Triangle Region.

To pilot a small UAS, members of CAP must be at least 16-years-old, however, CAP members age 12 and younger can be observer pilots.

"School Teachers who join CAP as what we call an Aerospace Education Member or AEM have access to the STEM kits through their local CAP Squadrons," said Goodwin. "To be an AEM a teacher has to submit a CAP Form 13, CAP Aerospace Education Membership Application, and a one-time fee of \$35 through their local CAP Squadron."

CAP provides about 20 STEM kits which are distributed amongst all squadrons in Mississippi. Currently the Golden Triangle Composite Squadron utilizes an aircraft simulator and robotic arm for their STEM learning.

CAP uses these kits as one strategy to promote STEM-related careers through hands on activities.

According to the Civil Air Patrol official website, the real goal of this program is to help collaborate a more comprehensive understanding of the aerospace and related career fields for a cadet or senior member, and opens new vistas for them.=



U.S. Air Force photo by Airman 1st Class Jessica Haynie  
U.S. Air Force Col. Robert Mims, retired, Mississippi Civil Air Patrol Wing commander, speaks to the CAP Golden Triangle Regional Squadron about his plans for the organization, June 3, 2021, on Columbus Air Force Base, Miss. Civil Air Patrol, as the official Auxiliary of the United States Air Force, and, as a humanitarian, non-profit organization, has garnered the support and commitment of its 61,000+ volunteer members nationwide.

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**Stay hydrated!**

## Air Force Readiness Programs

(Editor's note: All activities are offered at the Airman & Family Readiness Center unless otherwise specified. For more information about any of the activities listed, call 434-2790.)

**"Please note events are subject to change due to COVID-19, so please contact A&FRC to confirm all events"**

### Smooth Move Relocation Workshop

The next Smooth Move is from 10-11 a.m. June 24 in the A&FRC. This workshop is highly recommended for first-time and over-seas relocating members. Get the very latest moving information straight from base-wide relocation assistance agencies. Learn what to expect before you move with information from Tri-Care, Housing, Military Pay, TMO, Medical Records and A&FRC. Be sure to ask any relocating questions you may have during this event. Pre-registration is required, so call A&FRC at (662) 434-2790 to register or for more information.

### Wing Newcomers Orientation

The next Wing Newcomers Orientation will be held on June 29 from 8-noon in the Columbus Club. This event is mandatory for all newly arrived military and DoD civilian personnel. The event's foundation is the base's mobile App, so if you are registered, please locate and download the Columbus Air Force Base App from the App Store prior to attending. Pre-registration is required, so please contact your unit CSS to be registered. For more information, please call the A&FRC Relocation Manager at (662) 434-2701/2790.

### Federal USA Jobs Workshop

The next Federal USA Jobs workshop is from 9-10:30 a.m. July 7. This is a workshop on writing resumes, applications, and job search using the USAJobs website. To register or for more information, please call A&FRC at (662) 434-2790.

### Heart Link

The next "Zoom" Heart Link / Spouse Welcome is from 8:30 a.m.-noon July 8. This half-day program is open to all spouses of active duty military members assigned to Columbus AFB. Attendees will receive information about life in the Air Force, in the local area and at Columbus AFB from local subject matter experts including spouse leaders. To register or for more information, please call A&FRC at (662) 434-2790.

## SAPR Victim Advocate Graduates



Courtesy photo

**The 14th Flying Training Wing Sexual Assault Prevention and Response Program Office's victim advocates stand together after completing their training June 11, 2021, on Columbus Air Force Base, Miss. The mission of SAPR is to reinforce the Air Force's commitment to eliminate incidents of sexual assault through a comprehensive policy that centers on awareness and prevention, training and education, victim advocacy, response, reporting, and accountability. Victim advocates are important to the SAPR program as they provide victims with an additional option to report to while keeping the report restricted.**

### Transition Assistance Program Workshop

The next Transition Assistance Program (TAP) workshop is from 7:30 a.m.-4 p.m. July 19-23 and includes seminars on: Transition, Military Occupational Code Crosswalk, Financial Planning, Health Benefits, Mississippi Department of Employment Security, Department of Veterans Affairs, Disabled TAP and Department of Labor. Preseparation counseling is required before attending, and

recommended attendance is 12-24 months prior to separation/retirement. Spouses are encouraged to attend with their sponsor. To register or for more information, please call the TAP Manager at (662) 434-2631/2790.

### Department of Labor Transition Vocational Track Workshop

The next DoL Transition Vocational Track Workshop is from 8 a.m.-3 p.m. Aug. 2-3 and will be held in the A&FRC. This

workshop helps members identify skills, increase awareness of training and credentialing programs, and develop an action plan to achieve career goals. To register or for more information, please call A&FRC at (662) 434-2790.

### Bundles for Babies

The next "Zoom" Bundles for Babies workshop is from 1-3:30 p.m. Aug. 12. This program is designed for active duty AF members and/or their spouses who are pregnant or have a child 4 months old or less. Attendees will learn about finances, labor and delivery, and infant care. A \$50 gift card sponsored by the Air Force Aid Society will be provided for each qualifying child. To register or for more information, please call A&FRC at (662) 434-2790.

### Hearts Apart

The next Hearts Apart will be Aug. 26, 11:30 a.m.-1:30 p.m. This quarterly social event is for family members whose sponsor is deployed, on a remote tour or TDY for more than 30 days. To register or for more information, please call A&FRC at (662) 434-2790.

### Entrepreneurship Track Transition Workshop

The next Entrepreneurship Track Transition workshop will be held on Oct. 21-22 from 8 a.m.-3 p.m. This workshop is conducted by the Small Business Administration for veterans and all base personnel interested starting up and operating their own business. To register or for more information, please call A&FRC at (662) 434-2790.

### EFMP-FS

Exceptional Family Members Program-Family Support, EFMP-FS, establishes, implements and maintains the FS (community support) entity of the Air Force EFMP in coordination with the Medical & Assignments components by enhancing the quality of life of special needs family members. Feel free to contact (662) 434-3323/2790 for any questions related to EFMP or for one-on-one assistance. We can assess your needs and make the proper community referral for you and your family!

See COMMUNITY, Page 14

## Chapel Schedule

**Chapel services are now available.**

**Catholic Services:** 11 a.m. and 5 p.m. on Sun.

**Protestant Services:** 9:30 a.m. on Sun.

**Daily Mass:** 11 a.m. Tues.-Fri.



## Columbus Air Force Base Information and Events

Join our Facebook page at Columbus AFB Living, Instagram at columbus\_afb\_living, or visit our website at ColumbusAFBLiving.com to keep up to date with all the great events happening around base. Check out the calendar on the website for important Airman and Family Readiness Center events. For more information, contact (662) 434-2337.

## Get Connected with Your Base App!

As a way to connect people together, Columbus Air Force Base launched a new app to connect Airmen and families to the mission and community! The app is available on all app stores and can be found by searching 'Columbus Air Force Base'.

## Blaze Fest Coming July 1st!

Blaze Fest will return to Columbus AFB again on Thursday, 1 July from 5-9 p.m. There will be food, contests, music, games, and of course, FIREWORKS! Follow all the details as they develop at ColumbusAFBLiving.com/BlazeFest

## School Age Care Summer Camp

It's gonna be a knockout summer at the Youth Center! Registration is open for SAC Summer Camp which will feature sports activities, swimming, field trips, arts & crafts, STEM, and much more. Step one in the process is to go to MilitaryChildCare.com and request care. Then, registration packets can be picked-up at the Youth Center. Families may sign up for individual weeks or all weeks. Call the Youth Center at (662) 434-2504 for more information and requirements.

## Youth Programs T-Ball Opening Day

The Youth Programs summer T-Ball/Coach Pitch season will kick-off on 21 June (a new date due to the rain). They will hold an opening day ceremony at 5:30 p.m. for all the registered participants. There will be player introductions, snow cones, mini-games and much more.

## Columbus Club & The Overrun Bar

The Columbus Club and the Overrun Bar are now open Wednesday-Friday from 4-8 p.m. for dinner and drinks. Quick bites done just right featuring favorites such as Wings, Chicken Tenders, Pulled Pork Sandwich, Mozzarella Sticks, Shrimp & Grits, and much more!

Also, don't forget the Club offers Catering services. Call (662) 434-2490 for more information.

Let's Connect! Boss & Buddy Night at the Club Wednesdays from 3:30-5:30 p.m. and enjoy a few brews with your boss and buddies.

## Strike Zone Grill at the Bowling Center!

The Strike Zone Grill (also known as the Snack Bar) has moved back to the Bowling Center with DINE-IN and TAKE-OUT service. The expanded eating area will allow for social distancing. Grab'n go products will be available including during bowling. The hours are Monday-Friday: 6:30 a.m.-2 p.m., Sat & Sun: Closed. Breakfast is offered until 10:30 a.m. For take-out orders, call (662) 434- 3426.

## Bowling is Back with Limited Service

Bowling lanes can now be used by reservation only, Monday-Friday from 8 a.m.-1 p.m. Reserve your lanes on the Bowling Center's Facebook page @ColumbusAFBBowlingCenter

## Library

Exciting news! The Library is now open for in-house customers! It is open Tuesday-Friday 10 a.m.- 5 p.m. and Saturday 8 a.m.-noon. It has been relocated to a more inviting and visible location in open area in The Commons which is next to the base chapel. For everyone's safety, masks are required for patrons ages 3 and up



and parents must remain with their children at all times.

The Library is hosting Story Time at the Park at 10 a.m. at Freedom Park. Tuesdays is for ages 3-6, Fridays for ages 2 and under, and Saturday for all ages. On rainy days Story Time will be held in the Library. Social distancing will be observed.

See all of the Library's activities including all the Summer Reading Program on their Facebook page: @ColumbusAirForceBaseLibrary.

The library will continue to offer curbside delivery Tuesday-Friday. Find your book at www.columbusafb.mil.asolutions.com. Email your order to the library at 14.fss.fsd.library@us.af.mil. A confirmation email will be sent when your order is ready! Orders received before 11 a.m. will be ready during 1-4 p.m. that same day. Before picking up, please make sure you get a confirmation email stating your book is ready for pickup. When you park in the back parking lot, please give the library a call at (662) 434-2934 so the library knows you are there. When returning books, you can drop them off anytime at the book drop off located in the back parking lot of the library. To return DVDs and audiobooks, please call us at (662) 434-2934 on Tuesday-Friday from 1-4 p.m. for an employee to meet you at the back parking lot to pick it up from your car. Please note, all rentals are first come, first serve.

## Movie Mondays is Back!

The Library will host Movie Mondays beginning 7 June at 9 a.m. at the Kaye Auditorium. The movies will be rated G and appropriate for all ages. Visit the Library's Facebook page or ColumbusAFBLiving.com for movie information.

## Arts and Crafts and Woodshop

Stop by Arts & Crafts for all you Framing and Engraving needs! They are open Tuesday-Friday from 9 a.m.- 4 p.m. The Woodshop is also available Tuesday-Friday from 9 a.m.-5 p.m. and Saturday from 8 a.m.-3 p.m. The cost is \$5 for the first hour and \$3 for every additional hour. Call A&C at (662) 434-7856 if you have any questions or visit ColumbusAFBLiving.com/arts-crafts/.

## Fitness Center

The Fitness Center will host the Flag Day 5K Fun Run has been postponed until Friday, 18 June at 7 a.m. It is free for all ages and will start at the Fitness Center.

## Intramural Softball

Intramural Softball season begins 21 June at 6 p.m. (postponed to this date due to rain). Be sure to head over to the softball fields to root for your squad!

The Fitness Center is now serving all DoD cardholders and eligible contractors during normal hours of operation.

24/7 access is available to not only Active Duty patrons, but also any DoD cardholder such as dependents, retirees, and civilian employees.

CAC must be registered at the front desk.

Also, the locker rooms and showers are once again available.

The Columbus AFB Fitness Center no longer requires you to sign-up for fitness sessions! Swing by anytime during normal operating hours to get your workout in! Hours of operation are Monday-Friday: 5 a.m.- 9 p.m., Saturday & Sunday: 8 a.m.- 6 p.m. Now serving all eligible DoD cardholders!

Please note there will 100% ID card check, limited rental equipment available, and other risk mitigation plans still apply. For more information, call the Fitness Center at (662) 434-2772.

Also, the basketball and racquetball courts are now available! Check-in at the front desk required.

The Alpha Warrior Tent at the Fitness Center is open Friday 5 a.m.- 6:30 p.m. and Saturday & Sunday 8 a.m.-3:30 p.m. Sign-ups no longer required! Open to all eligible DoD Cardholders. 10 customers per session. 100% ID Check. Check in at the Fitness Center. Mask required to enter and exit. For more information call (662) 434-2772.

## Outdoor Recreation

Outdoor Recreation's (ODR) hours are Monday, Thursday, and Friday, 10 a.m.-5:00 p.m.(closed Tuesday and Wednesday) and Saturday/Sunday, 9 a.m.-1 p.m. ODR offers all sorts of rental for the water, camping, and much more! Call ODR at (662) 434-2505 for all of your outdoor activities.

## Independence Pool

Are you ready to splash into summer? Independence Pool is now open Thursday-Monday. Lap swim is from 6-9 a.m., open swims are from 11 a.m.-2 p.m. and 3- 6 p.m. Visit ColumbusAFBLiving.com for updates on swim times and activities.

## Coffee House on 5th

Coffee House on 5th, located in the Blaze Commons, is back open to 50% capacity inside. Drive through or come in to enjoy a cup of coffee or a tasty treat. Their hours are Monday-Friday, 6 a.m.-5 p.m. and Saturday, 8 a.m.- noon. Call for more information at (662) 434-2233.

## Information, Tickets & Travel (ITT)

Local ITT Customer Service will be temporarily handle by Keesler AFB. Please call Holly or Trish at (228) 377-3818 Tuesday-Friday from 10 a.m.-5 p.m.

Local Shuttle Service will be handled by ODR on Monday, Thursday and Friday, 10 a.m.-5 p.m. and Saturday & Sunday 9 a.m.-1 p.m. This includes shuttle service to the airport of your choice. Stop by ODR or call (662) 434-2505 for more information.

## Assignment Night Transportation

Book Assignment Night transportation with ITT! Reserve the bus, the van or both! The cost is only \$30 per hour for Columbus and local areas; a \$30 deposit is required and applied to the total cost of reservation. Reservation must be a minimum of four hours and reserved in person. For more information, contact (662) 434-7861.

See FSS, Page 14

# Air Force readdresses women's hair standard after feedback

## Secretary of the Air Force Public Affairs

ARLINGTON, Va. — Building on women's hair updates announced in February 2021, the Air Force will further revise Air Force Instruction 36-2903 to address differences in hair density and texture.

Previously, hair worn in a bun, braid, ponytail or equivalent could not extend beyond the width of the head. Beginning June 25, when hair is secured behind the head, the hair may extend six inches to the left and to the right and six inches protruding from the point where the hair is gathered. The 12-inch total width must allow for proper wear of headgear.

"Change doesn't happen overnight, and sometimes it takes another iteration to arrive at the best solution," said Air Force Chief of Staff Gen. CQ Brown, Jr. "This updated guidance represents meaningful progress. The feedback we received from our Airmen highlighted the need to reevaluate the policy and ultimately, make it more inclusive."

The change addresses feedback received since the previous guidance was originally published. Specifically, women voiced concerns over difficulty related to securing hair in a manner that does not extend beyond the head.

"In developing policy we try to address all angles and perspectives, but sometimes we have a blind spot," said Lt. Gen. Brian Kelly, Air Force deputy chief of staff for manpower, personnel and services. "The feedback we received high-

lighted the need to reevaluate the policy to make it even more inclusive."

Initial changes to women's hair standards were the result of various recommendations issued last fall by the Air Force uniform board. The group of 19 Airmen included a diverse group of men and women with officers and enlisted members from various ethnic and occupational backgrounds across major commands and headquarters directories.

"Whether we're talking about hair, uniforms or forums for sharing ideas, an approach that embraces diversity and fosters an inclusive environment is critical to ensuring our talented, dedicated Airmen stay with us on this journey," said Chief Master Sergeant of the Air Force JoAnne S. Bass.

Members must adhere to current occupational safety, fire and health guidance, and mishap prevention procedures emphasizing when and how to mitigate the potential for injury from hair of varying lengths and styles around machinery, equipment, power transmission apparatus or moving parts. Airmen are encouraged to reach out to their safety office for assistance in analyzing any potential hazards, as applicable.

At this time, Guardians will adhere to the grooming standards of the U.S. Air Force until the U.S. Space Force develops its own policy.

Additional ideas generated from the uniform board are still under consideration for policy change and updates will be released as they become available.



The Air Force revises Air Force Instruction 36-2903 to address differences in hair density and texture June 25, 2021. When hair is secured behind the head, the hair may extend six inches to the left and to the right and six inches protruding from the point where the hair is gathered. The 12-inch total width must allow for proper wear of headgear.



Visit us online!

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With the 4th of July right around the corner, the 14th Civil Engineering Fire & Emergency Services Flight wants to ensure your holiday celebrations are a safe and enjoyable one. Whether you're cooking out, enjoying time with family and friends, or watching a fireworks display, your safety is important to us.

While fireworks are a time honored tradition while we celebrate Independence Day, unfortunately accidents do occur. In 2020 there were 12 firework related deaths, and over 10,000 reported injuries that required hospitalization and treatment. The nature of these emergencies varied from misuse of the firework, to premature detonation. Children accounted for roughly 35 percent of these reported injuries, and half of the total number of injuries were to individuals under 20 years of age, with burns being the most prevalent reported type.

Fireworks start an average of 18,500 fires per year, including 1,300 structure fires, 300 vehicle fires, and 16,900 outside and other fires. These fires caused an average of three deaths, 40 civilian injuries, and over \$40 million in direct property damage.

The manufacture, sale, storage, possession, transportation and/or use of fireworks and all incendiary devices are expressly prohibited on Columbus AFB to include Hunt housing. The only exception is from a licensed/insured professional company sponsored by the installation.

If you choose to partake in fireworks activity off-base, remember, fireworks can be dangerous, causing serious burn and eye injuries. Follow these safety tips when using fireworks:

- Never allow young children to play with or ignite fireworks.
- Always have an adult supervise fireworks activities. Parents don't realize that young children suffer injuries from sparklers. Sparklers burn at temperatures above 2,000 degrees - hot enough to melt some metals.
- Never place any part of your body directly over a fireworks device when lighting the fuse.
- Never try to re-light or pick up fireworks that have not ignited fully.
- Never point or throw fireworks at another person.
- Keep a bucket of water, garden hose, or small fire extinguisher handy in case of fire or other mishap.
- Light fireworks one at a time, then move back quickly.
- Never carry fireworks in a pocket or shoot them off in metal or glass containers.
- After fireworks complete their burning, douse the spent device with plenty of water from a bucket or hose before discarding it to prevent a trash fire.



Information taken from the  
Consumer Products Safety Commission  
and the NFPA

By: Mr. Terence Sinner,  
Fire Protection Specialist, 14th CES/CEF

# Mississippi Mold

Mike Jago  
14th Civil Engineer Squadron

Every spring, there are complaints of mold in offices, homes, and just about any indoor area. First: Don't panic! Second: Once you see mold, get busy! You have a manageable problem, but it needs immediate attention. The EPA link <https://www.epa.gov/mold/brief-guide-mold-moisture-and-your-home#:> has a strong message that emphasizes clean-up and prevention.

You must attack mold directly. Just about any simple household cleaner will handle mold. It is a good idea to protect your eyes, lungs and hands when wiping up mold. The same supplies you have on hand for COVID will work on mold.

Once visible mold is wiped up, try to eliminate the conditions that allowed the mold to grow. Mold grows best in moderate to warm temperatures, with high humidity (over 60%), and with just a little surface dirt. This describes Mississippi all spring, summer and fall. In homes and offices, combat mold by cleaning and monitoring humidity.

An inexpensive hygrometer / humidity meter (Figure 1) is an essential tool to achieving dry air and eliminating mold. Air conditioning, when it works properly, removes excess moisture. Successfully drying the air to 50% humidity results in a healthier environment, and feels cool and comfortable.

Mississippi is not the place to attempt to cool below 68oF when outdoor humidity is over 90% and outside temperatures are above 90oF. Signs of over-cooling are moisture on windows, mold, moisture on vents, rust on vents, furniture (Figures 2&3), ice on air conditioner chillers, continuously running air conditioners, and excessive electric bills.

In cases where rooms have a sharp mold smell and residents have reactions, immediately re-locate if at all possible. Clean all accessible surfaces and dry the system out. If the problem persists, call a heating and air conditioner repairman to check for system malfunctions.



Figure 1: Hygrometers come in all price ranges, choose an easy to read model. The ideal humidity range for people is 40-60%.



Figure 2: Smoke detector — Mold is visible here and hidden on the tile



Figure 3: Mold on furniture - unused shelf in a dark area.

## WATER QUALITY

(Continued from page 10)

people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Water Drinking Hotline (800-426-4791).

### Where does my water come from?

The Columbus AFB water supply is treated and distributed by CL&W. The water is drawn from eight wells supplied by the lower Tuscaloosa Aquifer, a groundwater source, and is stored in various places on base, e.g., water towers. No further treatment is done by base personnel.

### Source water assessment and its availability

An inspection of the Columbus AFB water supply was completed on 06/20/2019 for compliance with the Ground Water Rule. Columbus AFB water supply received an overall capacity rating of 5.0 out of a possible 5.0 points. For more information, please contact Bioenvironmental Engineering Flight at the phone numbers provided below.

### Why are there contaminants in my drinking water?

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (800-426-4791).

### Contact Information

The Bioenvironmental Engineering Flight is the primary point of contact for drinking water information on Columbus AFB. They can be reached by phone at 434-2284 or 434-2285. Additional information can be obtained from the water provider, CL&W, by accessing their 2020 Consumer Confidence Report or by contacting 662-328-7192.

### Additional Information for Lead

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Columbus AFB is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. \*If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>.

### Fluoridation

To comply with the "Regulation Governing Fluoridation of Community Water Supplies," CL&W is required to report certain results pertaining to the fluoridation of the water system. The number of months in the previous calendar year in which average fluoride sample results were within the optimal range of 0.6-1.2 ppm was 12 months. The percentage of fluoride samples collected in the previous calendar year that was within the optimal range of 0.6-1.2 ppm was 100%.

## Medical Corner



MENTAL HEALTH MONTH

## What we know: Tobacco use and quitting among individuals with behavioral health conditions

### PEOPLE WITH BEHAVIORAL HEALTH CONDITIONS...

- 1) Are more likely to smoke. Individuals with a behavioral health condition (such as general anxiety disorder, PTSD, panic attacks, social anxiety, depression and bipolar disorder) are more likely to smoke than people without such a condition, and smoking rates are even higher among individuals with serious mental health disorders and addictions.
- 2) Smoke more. Individuals with behavioral health conditions smoke more cigarettes than people who smoke and do not have these conditions.
- 3) Want to quit smoking. Many individuals with behavioral health conditions want to quit smoking but may face extra challenges in successfully quitting and may benefit from extra help.
- 4) Die prematurely. Individuals with serious mental health disorders who smoke die almost fifteen years earlier than individuals without these disorders who do not smoke.
- 5) Die from smoking-related illness. People with behavioral health conditions account for over 200,000, or nearly half, of tobacco-related deaths each year. The most common causes of death among people with behavioral health conditions are heart disease, cancer, and lung disease, all of which can be caused by smoking.

### SMOKING AMONG PEOPLE WITH BEHAVIORAL HEALTH CONDITIONS...

- 1) Exacerbates symptoms of behavioral health conditions. Smoking is associated with worse symptoms and outcomes among people with behavioral health conditions, including greater depressive symptoms, greater likelihood of psychiatric hospitalization, increased suicidal behavior, and drug- and alcohol use relapse.
- 2) Reduces effectiveness of some medications. Smoking can interact and interfere with psychiatric medications, often resulting in the need for higher medication doses to achieve the same therapeutic benefit.

Did you know... Nearly 25% of adults in the United States have a mental health or substance use disorder (i.e., behavioral health condition), and these adults consume almost 40% of all cigarettes smoked by adults in the United States.

<https://www.cdc.gov/tobacco/disparities/what-we-know/behavioral-health-conditions/pdfs/behavioralhealth-p.pdf>

Behavioral health treatment settings have permitted tobacco use among clients, in part because of misperceptions that smoking could alleviate symptoms of mental health conditions and that cessation could interfere with treatment. However, research has shown that smoking can worsen symptoms and behavioral health outcomes, and quitting can improve mental health and substance use disorder treatment outcomes.

### QUITTING TOBACCO...

- 1) Supports behavioral health treatment. Growing evidence indicates that quitting smoking has positive effects on and is associated with improvements in mental health. Quitting smoking does not interfere with behavioral health treatment and does not worsen or impede recovery from substance use disorders.
- 2) Could improve mental health. Quitting smoking is associated with a decrease in depression, anxiety, and stress, and can increase quality of life.
- 3) Could make relapse less likely. Quitting smoking is associated with an increase in long-term abstinence from alcohol and other drugs and a reduction in substance use disorder relapse.
- 4) Has immediate physical health benefits. Quitting smoking dramatically reduces the risk of heart disease, stroke, and cancer. For example, the risk for a heart attack drops sharply just one year after quitting.



Water Quality Data Table								
In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of contaminants in water provided by public water systems. The table below lists all of the drinking water contaminants that were detected during the calendar year of this report. Although many more contaminants were tested, only those substances listed below were found in your water. All sources of drinking water contain some naturally occurring contaminants. At low levels, these substances are generally not harmful in our drinking water. Removing all contaminants would be extremely expensive, and in most cases, would not provide increased protection of public health. A few naturally occurring minerals may actually improve the taste of drinking water and have nutritional value at low levels. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA or the State requires monitoring for certain contaminants less than once per year because the concentrations of these contaminants do not vary significantly from year to year, or the system is not considered vulnerable to this type of contamination. As such, some of our data, though representative, may be more than one year old. In this table, you will find terms and abbreviations that might not be familiar to you. To help you better understand these terms, we've provided the definitions beside the table.								
Contaminants	MCLG or MRDLG	MCL, TT or MRDL	Your Water	Range		Sample Date	Violation	Typical Source
Disinfectants & Disinfectant By-Products (There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.)								
Haloacetic Acids (HAA5) (ppb)	N/A	60	4.0	NA	NA	2020	No	By-product of chlorination
TTHMs [Total Trihalomethanes] (ppb)	N/A	80	14.18	NA	NA	2020	No	By-product of disinfection
Chlorine (as C12) (mg/L)	4	4	1.3	0.24	2.0	2020	No	Water additive for microbes control
Inorganic Contaminants								
Barium (ppm)	2	2	0.008	NA	NA	2019	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Antimony (ppm)	0.006	0.006	<0.0005	NA	NA	2019	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder
Arsenic (ppm)	0	0.010	<0.0005	NA	NA	2019	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
Beryllium (ppm)	0.004	0.004	<0.0005	NA	NA	2019	No	Discharge from metal refineries and coal-burning factories; Discharge from electrical, aerospace, and defense industries
Cyanide (ppm)	0.2	0.2	<0.015	NA	NA	2019	No	Discharge from steel metal factories; discharge from plastic and fertilizer factories
Cadmium (ppm)	0.005	0.005	<0.0005	NA	NA	2019	No	Corrosion of galvanized pipes; Erosion of natural deposits; Discharge from metal refineries; Runoff from waste batteries and paints
Chromium (ppm)	0.1	0.1	<0.0005	NA	NA	2019	No	Discharge from steel and pulp mills; Erosion of natural deposits
Mercury (ppm)	0.002	0.002	<0.0005	NA	NA	2019	No	Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills and cropland
Fluoride (ppm)	4	4	0.738	NA	NA	2019	No	Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Selenium (ppm)	0.05	0.05	<0.0005	NA	NA	2019	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines
Thallium (ppm)	0.0005	0.002	<0.0005	NA	NA	2019	No	Leaching from ore-processing sites; Discharge from electronics, glass, and drug factories
Nitrate (ppm)	10	10	<0.08	NA	NA	2020	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrite (ppm)	1	1	<0.02	NA	NA	2020	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrate-Nitrite (ppm)	NA	10	<0.1	NA	NA	2020	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Microbiological Contaminants								
Total Coliform (positive samples/month)	0	0	0	NA	NA	2019	No	Naturally present in the environment
Radioactive Contaminants								
Combined Uranium (ppb)	0	30	<0.5	NA	NA	2018	No	Erosion of natural deposits
Radium (combined 226/228) (pCi/L)	0	5	<0.4	NA	NA	2019	No	Erosion of natural deposits
Gross Alpha (pCi/L)	0	15	0.76	NA	NA	2019	No	Erosion of natural deposits
Organic Contaminants								
1,2,4-Trichlorobenzene (ppb)	70	70	<0.5	NA	NA	2018	No	Discharge from textile factories
cis-1,2-Dichloroethylene (ppb)	70	70	<0.5	NA	NA	2018	No	Discharge from chemical factories
Xylenes, Total (ppb)	10000	10000	<0.5	NA	NA	2018	No	Discharge from petroleum and chemical factories
Dichloromethane (ppb)	0	5	<0.5	NA	NA	2018	No	Discharge from drug and chemical factories
o-Dichlorobenzene (ppb)	600	600	<0.5	NA	NA	2018	No	Discharge from chemical factories
p-Dichlorobenzene (ppb)	75	75	<0.5	NA	NA	2018	No	Discharge from chemical factories
Vinyl Chloride (ppb)	0	2	<0.5	NA	NA	2018	No	Leaching from PCV pipes; Discharge from plastic factory
1,1 Dichloroethylene (ppb)	7	7	<0.5	NA	NA	2018	No	Discharge from chemical factories
trans-1,2-Dichloroethylene (ppb)	100	100	<0.5	NA	NA	2018	No	Discharge from chemical factories
1,2-Dichloroethane (ppb)	0	5	<0.5	NA	NA	2018	No	Discharge from chemical factories
1,1,1-Trichloroethylene (ppb)	200	200	<0.5	NA	NA	2018	No	Discharge from metal degreasing sites and other factories
Carbon Tetrachloride (ppb)	0	5	<0.5	NA	NA	2018	No	Discharge from chemical plants and other natural industrial activities
1,2-Dichloropropane (ppb)	0	5	<0.5	NA	NA	2018	No	Discharge from chemical factories
Trichloroethylene (ppb)	0	5	<0.5	NA	NA	2018	No	Discharge from metal degreasing sites and other factories
1,1,2-Trichloroethylene (ppb)	3	5	<0.5	NA	NA	2018	No	Discharge from chemical factories
Tetrachloroethylene (ppb)	0	5	<0.5	NA	NA	2018	No	Discharge from factories and dry cleaners
Chlorobenzene (ppb)	100	100	<0.5	NA	NA	2018	No	Discharge from chemical and agricultural chemical factories
Benzene (ppb)	0	5	<0.5	NA	NA	2018	No	Discharge from factories; Leaching from gas storage tanks and landfills
Toluene (ppb)	1000	1000	<0.5	NA	NA	2018	No	Discharge from petroleum factories
Ethylbenzene (ppb)	700	700	<0.5	NA	NA	2018	No	Discharge from petroleum refineries
Styrene (ppb)	100	100	<0.5	NA	NA	2018	No	Discharge from rubber and plastic factories; Leaching from landfills
Inorganic Contaminants	MCLG	AL	Result	Date	# Above AL	Violation	Source	
Copper (mg/L)	0	1.3	0	2018	0	No	Corrosion of household plumbing systems; Erosion of natural deposits	
Lead (mg/L)	0	0.015	0.002	2018	0	No	Corrosion of household plumbing systems; Erosion of natural deposits	

## 2020 Columbus AFB Drinking Water Quality Report

We are pleased to present this year’s Annual Water Quality Report (Consumer Confidence Report) as required by the Safe Drinking Water Act (SDWA). This report is designed to provide details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. This report is a snapshot of last year’s water quality. We are committed to providing you with information because informed customers are our best allies.

### Spanish (Español)

Este informe contiene informacion muy importante sobre la calidad de su agua potable. Por favor lea este informe o comuniquese con alguien que pueda traducir la informacion.

### Is my water safe?

**Yes, our drinking water is safe to drink.** Drinking Water on Columbus AFB is routinely monitored for contaminants according to federal and state laws. All samples for the Columbus AFB distribution system are taken by the Bioenvironmental Engineering Flight and analyzed by the Mississippi State Department of Health. Additional sampling is completed by the water provider, Columbus Light and Water Company (CL&W). All results for 2020 are summarized in the Water Quality Data Table below.

### Do I need to take special precautions?

Some people may be more vulnerable to contaminants in drinking water than the general population. Immune-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants,

See **WATER QUALITY**, Page 11

Unit Descriptions								
<b>Term, Definition</b> <b>ug/L</b> — Number of micrograms of substance in one liter of water <b>ppm</b> — parts per million, or milligrams per liter (mg/L) <b>ppb</b> — parts per billion, or micrograms per liter (ug/L) <b>pCi/L</b> — picocuries per liter (a measure of radioactivity) <b>positive samples/month</b> — Number of samples taken monthly that were found to be positive <b>N/A</b> — not applicable <b>ND</b> — Not detected <b>NR</b> — Monitoring not required, but recommended								
Important Drinking Water Definitions								
<b>Term, Definition</b> <b>MCLG</b> — Maximum Contaminant Level Goal: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety. <b>MCL</b> — Maximum Contaminant Level: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology. <b>TT</b> — Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water. <b>AL</b> — Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements for a water system must follow. <b>Variances and Exemptions</b> — State or EPA permission not to meet an MCL or a treatment technique under certain conditions. <b>MRDLG</b> — Maximum Residual Disinfection Level Goal: The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants. <b>MRDL</b> — Maximum Residual Disinfectant Level: The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants. <b>MNR</b> — Monitored Not Regulated <b>MPL</b> — State Assigned Maximum Permissible Level								
<b>For more information please contact:</b> Contact Name: Bioenvironmental Engineering Address: 201 Independence Drive, Building 1100 Columbus AFB, MS 39710-5300 Phone: (662) 434-2284 or (662) 434-2285								

# BLAZE Hangar Tails: B-2 Spirit

### Mission

The B-2 Spirit is a multi-role bomber capable of delivering both conventional and nuclear munitions. A dramatic leap forward in technology, the bomber represents a major milestone in the U.S. bomber modernization program. The B-2 brings massive firepower to bear, in a short time, anywhere on the globe through previously impenetrable defenses.

### Features

The B-2 provides the penetrating flexibility and effectiveness inherent in manned bombers. Its low-observable, or “stealth,” characteristics give it the unique ability to penetrate an enemy’s most sophisticated defenses and threaten its most valued, and heavily defended, targets. Its capability to penetrate air defenses and threaten effective retaliation provides a strong, effective deterrent and combat force well into the 21st century.

The revolutionary blending of low-observable technologies with high aerodynamic efficiency and large payload gives the B-2 important advantages over existing bombers. Its low-observability provides it greater freedom of action at high altitudes, thus increasing its range and a better field of view for the aircraft’s sensors. Its unrefueled range is approximately 6,000 nautical miles (9,600 kilometers).

The B-2’s low observability is derived from a combination of reduced infrared, acoustic, electromagnetic, visual and radar signatures. These signatures make it difficult for the sophisticated defensive systems to detect, track and engage the B-2. Many aspects of the low-observability process remain classified; however, the B-2’s composite materials, special coatings and flying-wing design all contribute to its “stealthiness.”



U.S. Air Force photo by Staff Sgt. Scott H. Spitzer

**The B-2 Spirit approaches the boom of a McGuire Air Force Base, New Jersey KC-10A Extender during a Capstone orientation flight. Capstone is a Joint Airborne/Air Transportability Training mission providing interservice training for the wartime application of airlift. Through Capstone, senior level officers are able to observe the significance of airlift and its role in all military operations.**



U.S. Air Force photo by Bobbie Garcia

**The B-2 Spirit is a multi-role bomber capable of delivering both conventional and nuclear munitions. A dramatic leap forward in technology, the bomber represents a major milestone in the U.S. bomber modernization program. The B-2 brings massive firepower to bear, in a short time, anywhere on the globe through previously impenetrable defenses.**

The prime contractor, responsible for overall system design and integration, is Northrop Grumman Integrated Systems Sector. Boeing Military Airplanes Co., Hughes Radar Systems Group, General Electric Aircraft Engine Group and Vought Aircraft Industries, Inc., are key members of the aircraft contractor team.

### General characteristics

**Primary function:** multi-role heavy bomber

**Contractor:** Northrop Grumman Corp. and Contractor

Team: Boeing Military Airplanes Co., Hughes Radar Systems Group, General Electric Aircraft Engine Group and Vought Aircraft Industries, Inc.

**Power plant:** four General Electric F118-GE-100 engines

**Thrust:** 17,300 pounds each engine

**Wingspan:** 172 feet (52.12 meters)

**Length:** 69 feet (20.9 meters)

**Height:** 17 feet (5.1 meters)

**Weight:** 160,000 pounds (72,575 kilograms)

**Maximum takeoff weight:** 336,500 pounds (152,634 kilograms)

**Fuel capacity:** 167,000 pounds (75750 kilograms)

**Payload:** 40,000 pounds (18,144 kilograms)

**Speed:** high subsonic

**Range:** intercontinental

**Ceiling:** 50,000 feet (15,240 meters)

**Armament:** conventional or nuclear weapons

**Crew:** two pilots

**Unit cost:** Approximately \$1.157 billion (fiscal 1998 constant dollars)

**Initial operating capability:** April 1997

**Inventory:** active force: 20 (1 test); ANG: 0; Reserve: 0



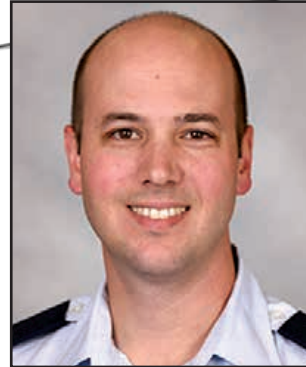


T-1A Jayhawk



T-38C Talon

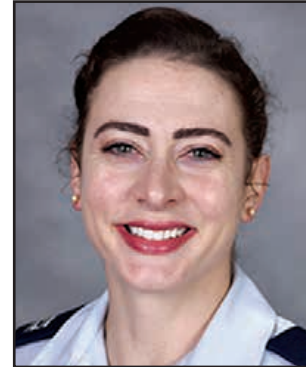
# SUPT Class 21-11 earns silver wings



**Capt. Korey Schultz**  
Muskegon, Michigan  
KC-135



**Capt. Jarrod White**  
Denver, Colorado  
F-22



**Capt. Amanda Zeringue**  
Cheyenne, Wyoming  
C-12

Twenty-three officers have prevailed during a year of training, earning the right to become Air Force pilots.

Specialized Undergraduate Pilot Training Class 21-08 graduates at 10 a.m. today during a ceremony at the Kaye Auditorium.

Students will receive their silver pilot's wings at the ceremony, and students who excelled in their respective training tracks will be recognized.

Capt. Jarrod White, 1st Lt. Robert Geotschkes and 2nd Lt. Jared Ray received the Air Education and Training Command Commander's Trophy for being the most outstanding students overall in their classes.

The Air Force Association Award was presented to Capt. Jarrod White and Capt. Amanda Zeringue who excelled in training and typified the tenets of the association; promoting aerospace power and a strong national defense.

The distinguished graduates of Class 21-08 recognized were White, Geotschkes, and Ray for outstanding performance in academics, officer qualities and flying abilities.

The 52-week pilot training program begins with a six-week preflight phase of academics and physiological training to prepare students for flight. The second phase, primary training, is conducted in the single-engine, turboprop T-6A Texan II at Columbus Air Force Base, Mississippi. Students learn aircraft flight characteristics, emergency procedures, takeoff and landing procedures, aerobatics and for-

mation flying. Students also practice night, instrument and cross country navigation flying.

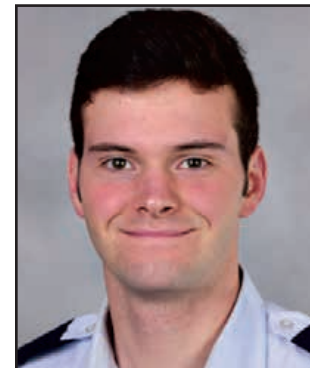
Primary training takes approximately 23 weeks and includes 254.4 hours of ground training, 27.3 hours in the flight simulator and 89 hours in the T-6A aircraft.

After primary training, students select, by order of merit, advanced training in the fighter-bomber or airlift-tanker track.

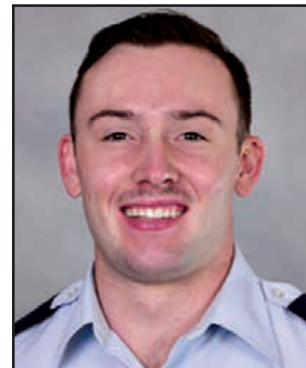
Both tracks are designed to best train pilots for successful transition to their follow-on aircraft and mission.

Advanced training for the fighter track is done in the T-38C Talon, a tandem-seat, twin-engine supersonic jet. T-38 training emphasizes formation, advanced aerobatics and navigation. Training takes approximately 26 weeks and includes 381 hours of ground training, 31.6 hours in the flight simulator and 118.7 hours in the T-38C aircraft.

The airlift-tanker track uses the T-1A Jayhawk, the military version of a multi-place Beech Jet 400 business jet. Instruction centers on crew coordination and management, instrument training, cross-country flying and simulated refueling and airdrop missions. Training takes about 26 weeks and includes 185 hours of ground training, 53.6 hours in the flight simulator and 76.4 hours in the T-1A.



**1st Lt. Robert Goetschkes**  
Omaha, Nebraska  
C-146



**1st Lt. Michael Grindle**  
Toledo, Ohio  
KC-135



**1st Lt. Matthew Hargreaves**  
Franklin, Tennessee  
C-17



**2nd Lt. Khalid Alqarni**  
Saudi Arabia  
Eurofighter



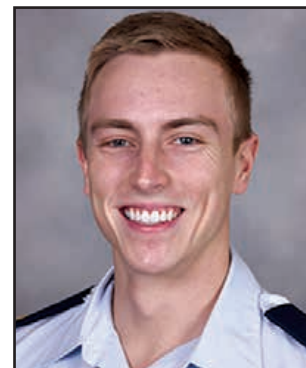
**2nd Lt. Markese Buckholtz**  
Philadelphia, Pennsylvania  
U-28



**2nd Lt. Jacob Chappell**  
Frankfort, Michigan  
C-130J



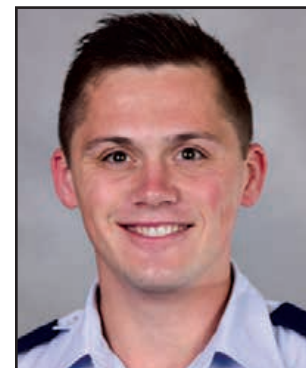
**2nd Lt. Harold Crawford**  
Charleston, South Carolina  
E-8



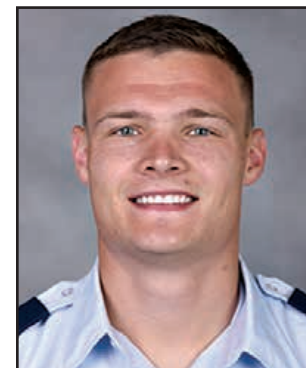
**2nd Lt. Patrick Fetz**  
Memphis, Tennessee  
C-17



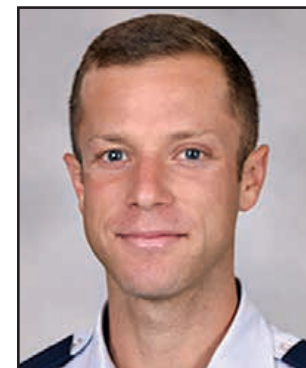
**2nd Lt. Gerald Lentsch**  
Star, Indiana  
A-10



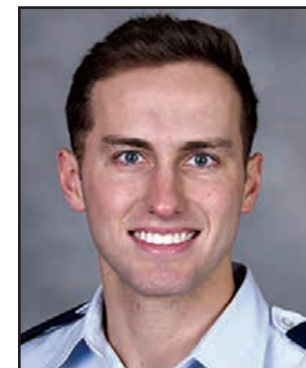
**2nd Lt. Gavin Monges**  
Davis, California  
KC-10



**2nd Lt. Steven Pitsos**  
Cartersville, Georgia  
C-130



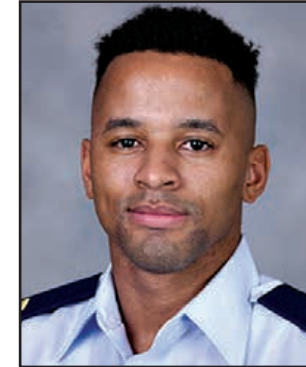
**2nd Lt. Jared Ray**  
Augusta, Georgia  
KC-135



**2nd Lt. Eliot Shapleigh**  
Oviedo, Florida  
F-16



**2nd Lt. Matthew Wilfong**  
Indian Trail, North Carolina  
C-17



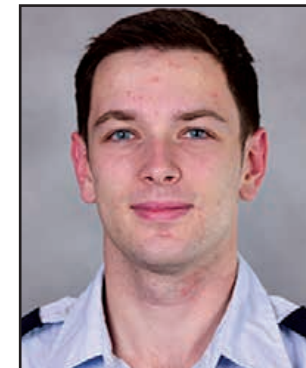
**1st Lt. Quae'Shaun Applewhite**  
Melbourne, Florida  
A-10



**1st Lt. Alexander Brown**  
Forest Grove, Oregon  
C-17



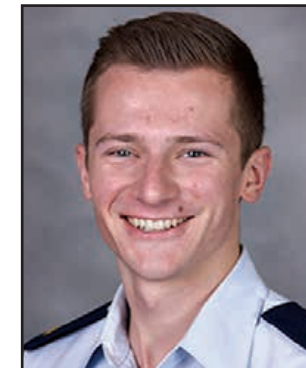
**1st Lt. Tyler Cibotti**  
Bedford, New Hampshire  
C-17



**1st Lt. Michael Korta**  
Bolingbrook, Illinois  
U-28



**1st Lt. Christopher L'Amoureux**  
Clifton Park, New York  
T-6



**1st Lt. Andrew Scott**  
Hillsboro, Oregon  
T-38