



MISSION OF THE 20

Munitions, members key to mission accomplishment

By Staff Sgt. Lee Watts
Internal Information chief

Just because someone is in the Air Force, friends and family often assume that person knows all there is to know about their unit's aircraft and mission.

Since this isn't the always the case, here is a breakdown of Shaw's mission and some facts about its aircraft.

In combat missions, there are two potential threats to Air Force aircraft: air-to-air and surface-to-air missiles. Shaw's mission is the suppression and destruction of enemy air defenses. To accomplish these missions, commonly referred to as SEAD and DEAD (pronounced deed), the 20th Fighter Wing relies on a variety of munitions and Air Force members.

Mission

While other aircraft would avoid various enemy air defenses such as surface-to-air missiles and anti-aircraft batteries, Shaw's warriors hunt for them to clear the way for other aircraft. Eliminating this threat involves flying SEAD and DEAD missions, a specialty of the 20th FW's F-16CJs.

The objective of a SEAD mission is to destroy or disable radar-guided, surface-to-air missile sites and anti-aircraft artillery guns. The F-16CJ became the sole provider for Air Force SEAD missions when the F-4 Wild Weasel was retired from the Air Force inventory.

Munitions

Two of the systems the F-16CJ uses are the High-speed Anti-Radiation Missile Targeting System and the High Speed Anti-Radiation Missile, which together identify and destroy enemy missile sites. Concerning the HARM missile, there is a saying among pilots, "Stay out of HARM's way." Once the harm targeting system detects an enemy radar-equipped air defense system, HARMs destroy them by honing in on the radar emissions.

The F-16CJ is perfectly suited for the SEAD mission. It has a top speed of approximately 1,500 mph and carries an M-61A1, 20mm multi-barrel cannon with 500 rounds; while external stations can carry up to six air-to-surface munitions and electronic countermeasure pods.

In an air-to-surface role, the F-16 can fly more than 500 miles, deliver its weapons with superior accuracy, defend itself against enemy aircraft and return to its starting point. An all-weather capability allows it to accurately deliver ordnance during non-visual bombing conditions. In battle, air-to-air configured F-16s will clear the combat area and patrol the skies in case of a launch of enemy aircraft, then engage the potential threats.

Members

"Every person at Shaw is a critical part of our mission," said Col. Sam Angelella, 20th FW commander. "From pilots and maintainers, to support personnel and the medical team, each person is needed and valued. That's why it's so important we live the core values and make safety a priority on and off duty. I want to thank each of you for the outstanding job you do every day. Victory by Valor!"

F-16 FIGHTING

DIMENSIONS

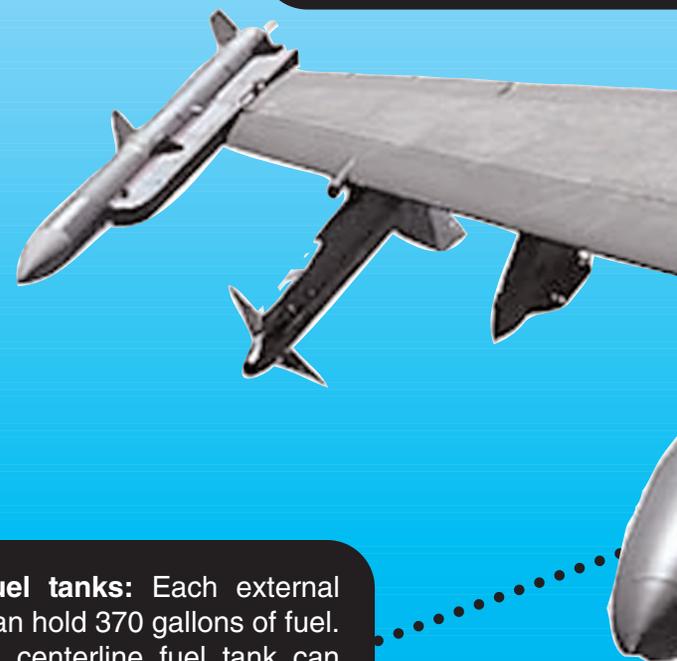
Length: 49 feet, 5 inches
Height: 16 feet
Wingspan: 32 feet, 8 inches

Falcon Fact: During Operation Desert Storm, more sorties were flown with F-16s than with any other aircraft.

Falcon Fact: The canopy of current model F-16s has a goldish tint. The color is used to deflect sunlight to help prevent pilots from being blinded by the sun.

Crew Station: There are one-seat (C model) and two-seat (D model) versions of F-16s. The biggest difference is, two-seat models have less room for fuel because the second pilot's seat where there would be an internal fuel tank.

Falcon Fact: F-16s have a darker paint on the top than on the bottom. This is to better blend in with the ground if looking down at it or the sky if looking up at it.



External fuel tanks: Each external wing tank can hold 370 gallons of fuel. An external centerline fuel tank can hold an additional 300 gallons of fuel.

Falcon Fact: With a full load of internal fuel, the F-16 can withstand up to 9 G's -- nine times the force of gravity -- which exceeds the capability of most current fighter aircraft except the F-15.

Did
You
Know

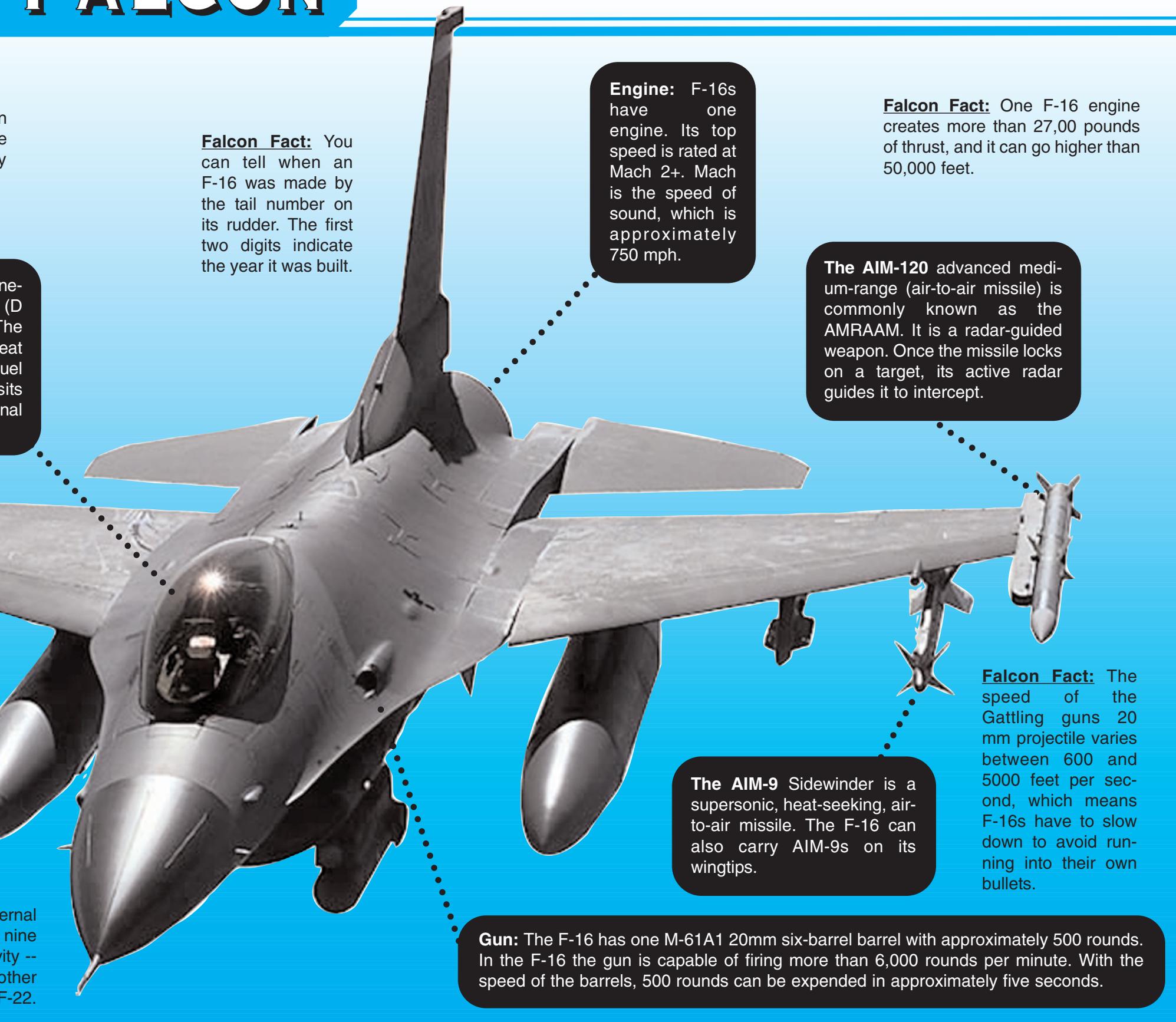
The 20th Fighter Wing is the largest combat F-16CJ wing in the Air Force.

More than 30% of the Air Force's SEAD assets are at Shaw.

20TH FIGHTER WING



FALCON



Falcon Fact: You can tell when an F-16 was made by the tail number on its rudder. The first two digits indicate the year it was built.

Engine: F-16s have one engine. Its top speed is rated at Mach 2+. Mach is the speed of sound, which is approximately 750 mph.

Falcon Fact: One F-16 engine creates more than 27,000 pounds of thrust, and it can go higher than 50,000 feet.

The AIM-120 advanced medium-range (air-to-air missile) is commonly known as the AMRAAM. It is a radar-guided weapon. Once the missile locks on a target, its active radar guides it to intercept.

The AIM-9 Sidewinder is a supersonic, heat-seeking, air-to-air missile. The F-16 can also carry AIM-9s on its wingtips.

Falcon Fact: The speed of the Gattling guns 20 mm projectile varies between 600 and 5000 feet per second, which means F-16s have to slow down to avoid running into their own bullets.

Gun: The F-16 has one M-61A1 20mm six-barrel barrel with approximately 500 rounds. In the F-16 the gun is capable of firing more than 6,000 rounds per minute. With the speed of the barrels, 500 rounds can be expended in approximately five seconds.

Each of the approximately 80 F-16s at Shaw cost about \$25 million. Shaw has an economic impact of more than \$278 million a year. In 1941, Sumter residents offered the government 3,000 acres for \$1 a year for 99 years to build an air base. Shaw pilots took the pictures of Soviet missiles on Cuba during the Cuban missile crisis in 1962. A jet from the 20th FW was credited with the first aerial kill of the Gulf War.

Chapel program brings Last Supper to life

By Chaplain (Capt.) Boyd Short
Shaw Protestant Chaplain

Thirteen men gathered at a table one fateful evening more than 2,000 years ago. Thirteen men with different backgrounds but brought together and unified by one man -- Jesus Christ. Dressed in robes and sandals and most likely tired and dirty from the day's travel, these 13 friends gathered together to celebrate the Passover. It is the beginning of a very eventful, history-altering and life-changing night.

This is the scene that Leonardo Da Vinci depicted in his now famous painting of the Last Supper. It is also the scene that will be brought to life at the Palmetto Chapel Sunday at 7 p.m and at the Base

Theater April 10 at 2 p.m.

Shaw's Chapel presents the Living Last Supper.

The scene is set and slowly it comes to life as, one by one, each disciple stands to tell his story of how he came to know Jesus and become involved in His ministry. Jesus' announcement just moments before - "One of you will betray me." - compels each man to examine his own heart and ask, "Is it I, Lord? Is it I?"

"The scene is so familiar, but so still," stated the show's director, Mr. Jeff Wilson, who will also portray Jesus. "There is so much behind the scene. So much happened that night. In the wake of Mel Gibson's movie *The Passion of the Christ*, this dramatization takes a look at what was going on right before the Garden of Gethsemane, the opening scene of the

movie. Though we don't know what these men were actually thinking, they were real men with real ambitions and real fears. We hope to convey what very possibly could have been and make it real to the audience now."

Special music for the production will be provided by Jerry and Linda Jones, the music directors for the 11 a.m. Protestant Shared Faith Service at Palmetto Chapel.

Please come out and join us for a moving experience of drama and reflection. Members of the Shaw and Sumter communities are invited to this production of the Living Last Supper and admission is free for both performances. For more information, call the base chapel at **895-1106**.

Shaw airmen go airborne with AFSOC

By Capt. Denise Boyd
Air Force Special Operations Command

HURLBURT FIELD, Fla. -- The Air Force Special Operations Command weather directorate hosted a Special Operations and Airborne Weather Familiarization and Recruiting Seminar, March 3 - 5 at Hurlburt Field, Fla.

Five airmen from Shaw and Scott Air Force Base, Ill., were selected to attend this first-of-its-kind seminar.

According to Lt. Col. Michael Davenport, chief, operational weather division, AFSOC, combat weather recruiting efforts have not produced enough volunteers to fill enlisted vacancies.

"We're doing all we can to identify and recruit the right kind of airmen to fill shortages. We require skilled weather technicians who can also become highly proficient in battlefield airman 'shoot, move, communicate' tactical skills," he said.

During the seminar, the airmen interacted with AFSOC weathermen from the 10th Combat Weather Squadron, who are Special Operations Weather Team members who participated in combat during Operations Enduring Freedom and Iraqi Freedom. The airmen also received familiarization training in

special operations infiltration techniques, airborne operations and land navigation.

Airman 1st Class Jackie Miller, a weather forecaster from the 28th Operational Weather Squadron at Shaw, was the only female to attend the seminar. She went on to be accepted into the program.

"This recruiting trip was a great motivator," she said. "You only get so much about airborne combat weather from reading books and stories. After hearing their experiences, and seeing what they do, I can see how much they enjoy their jobs, and it makes the specialty a lot more real to me."

Col. Davenport said, "We designed the orientation program to show airmen the reality of the SOWT and jump weather. We hope that by giving attendees 'hands-on' interaction on a small portion of SOWT tasks, they gain a realistic understanding of the AFSOC and Army airborne missions, and return to their home units better able to prepare for the training challenges ahead of them."

Officials hope to hold recruiting seminars at least twice a year. Personnel interested in combat weather must attain their five-level upgrade training prior to being assigned to a combat weather unit. Individuals interested in applying should contact Chief Master Sgt. Mark Campbell at DSN 579-2145.



Photo by Senior Master Sgt. Andy Hopwood

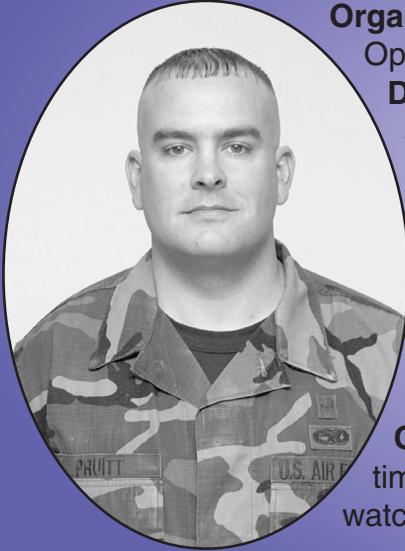
Staff Sgt. Mike Burton (right), special operations weatherman, Detachment 2, 10th Combat Weather Squadron, Fort Campbell, Ky., assists Airman 1st Class Kevin Strattan, 28th OWS, with the static line parachute rig while other recruits look on.



Spirit Spotlight



Staff Sgt. Franklin Pruitt



Organization: 20th Medical Operations Squadron

Duty title: Aerospace medical service journeyman

Job duties: Assist doctor with all patient care and minor surgeries

Hometown: Myrtle Beach, S.C.

Time in service: Six years

Family: Wife, Nicole

Off-duty interests: Spending time with wife and family and watching movies

Words I live by: "Leaders don't attain greatness by giving orders, but by serving others."

Staff Sgt. Courtney Weatherford



Organization: 20th Comptroller Squadron

Duty title: Accounting liaison technician

Job duties: Provide accounting support to 20th Fighter Wing, tenant and associate units

Hometown: Enterprise, Ala.

Time in service: Six and a half years

Family: Husband, Tech. Sgt. Keith, 20th Communications Squadron

Off-duty interests: Spending time with husband and pets, swimming, beach activities and bowling

Words I live by: "Have faith in God, and you'll always persevere."

TRICARE benefits travel with patients

By Ms. Adriene M. Dicks
Correspondent

In the Air Force, medical benefits are provided for active-duty members and their families. However, there are some differences in what the benefits cover for each group. One particular instance where the differences must be understood before treatment is for medical travel benefits.

Medical travel benefit was signed into law by Congress in 2001 and is available to Air Force members who have chosen the Prime option from TRICARE. The benefit provides:

- travel entitlement for active-duty members for medical specialty care referrals outside the military treatment facility

- travel benefits for non-active-duty TRICARE Prime patients for medical specialty appointments over 100 miles one way from their primary care manager.

When entitled to reimbursement, TRICARE Prime active-duty patients will be paid 37.5 cents a mile from the primary care manager to the address of the referred medical appointment. If deemed a medical necessity by the referring PMC, a non-medical attendant may also be appointed.

“NMAs are appointed for patients who are not able to get themselves to and from appointments,” said Tech. Sgt. Nona Chambers, 20th Medical

Support Squadron NCO in charge of managed care.

For an NMA, expenses covered include gas, tolls and parking. Lodging may also be covered if deemed a medical necessity.

Although this benefit is available to all TRICARE Prime patients, there is a process that must be followed by all beneficiaries before and after the appointment away from the MTF in order to receive compensation.

“This benefit requires documentation and coordination,” said Capt. Lola Toler, 20th Medical Support Squadron Managed Care Flight commander.

First, the TRICARE Prime patient must be referred to the appointment from Shaw. Once the referral has been made and if over 100 miles one way, the active-duty, dependent or retiree patient must report to Shaw’s TRICARE office, located in Building 1053 on Meadowlark Drive, to complete a travel order worksheet. The patient will be contacted to pick up the orders prior to departure for the appointment.

After returning from the appointment, the patient must file their voucher with the base finance office within five days. Only active-duty members are authorized local travel less than 100 miles away. The member can then complete a Standard Form 1164, *Claim for Reimbursement of Expenditures on Official Business*, in the TRICARE

office, along with proof the appointment was kept. All authorized expenses are covered for active-duty members when sent away from Shaw for medical appointments.

The staff of the TRICARE office wants everyone to understand the guidelines for medical travel benefits.

According to Capt. Toler, some dependents have been misinterpreting what benefits are available to them based on what is available to active-duty members.

“Benefits are different for active-duty members and dependents and retirees,” said Capt. Toler.

If there are TRICARE members who have chosen other options but would like to have the medical travel benefit, the 20th of each month is the cut-off day to switch to Prime and have the benefit available by the following month.

For more information on the medical travel benefits programs, call Staff Sgt. Stacy Ceier, 20th MDSS Patient Travel Program manager, at **895-6230**. For additional information on TRICARE and other benefits, call **895-6228** or **6229**.

“This benefit is for the patient,” said Sgt. Chambers. “Our responsibility is to the patient and that is who we take care of. There are other agencies and programs on and off base available to support the family.” (*Staff members of the 20th Medical Group contributed to this article.*)