



## Newslines

### Going for the "goal"

Col. Philip Ruhlman, 20th Fighter Wing commander, challenges all 20th Fighter Wing personnel to take care of our own.

When the 20th Fighter Wing reaches 60 days without a DUI the commander will grant a wing down day.

We have 54 days to go. Make it happen!

### CFL

The Christian Fellowship Luncheon is set for Thursday at 11:30 a.m. in the Conference Center. Chief Patty Patterson, Sumter Law Enforcement chief of police, is the guest speaker for the event.

For tickets or reservations, call Mrs. Judy Huntley at 895-1408.

### Promotion ceremony

Congratulate the newly promoted members of Team Shaw at the monthly wing promotion ceremony Aug 27 at 3 p.m. at Club Shaw.

### Tech order ideas

If you have recently discovered a safer, better or more efficient way to do a process directed by a technical order and would like to recommend the change, submit it through the Technical Order Improvement Program.

The new method may entitle you to a monetary reward as well as improving your daily mission.

For more information, contact Tech. Sgt. Daniel Jenco at 895-1820.

# Combat Hammer hits mark



Photo by 1st Lt. Suzanne Ovel

**Maj. Ian Phillips, 20th Fighter Wing flight safety chief, runs through his preflight checks Aug. 11 during the Combat Hammer program at Hill Air Force Base, Utah.**

**By 1st Lt. Suzanne Ovel**  
20th Fighter Wing Public Affairs  
Media relations chief

Shaw's Airmen scrawled several firsts across the Air Force's history pages Aug. 9-11, as more than 100 Airmen participated in an air-to-ground weapon system evaluation program, called Combat Hammer, at Hill Air Force Base, Utah.

Airmen from six squadrons with the 20th Fighter Wing showcased capabilities of the F-16CJ which will help enable the airframe to transform from its mission of suppression of enemy air defenses to destruction of enemy air defenses.

"With all these updates, the Joint Helmet Mounted Cueing System, the targeting pod, and the Link 16, those three combinations allow us to find something faster, share the information quicker, more accurately and destroy it

more unequivocally, and it gives everyone else that ability because it's not just us that has the information anymore," said Lt. Col. John Montgomery, 55th Fighter Squadron commander.

"All that information is spread to everybody, so everybody has the ability to go get it. So that's the transformation really on every single level."

At Combat Hammer, 18 pilots with the 55th FS demonstrated some of the capabilities contributing to this transformation, including using an infrared targeting pod to employ laser guided bombs, employing CBU-105 Sensor Fuzed Weapon off the new BRU-57 smart bomb racks, and employing weapons using JHMCS. The JHMCS is a helmet that shows the heads-up display data on a pilot's visor, and allows a pilot to select a target without changing the jet's direction.

#### Reaping the benefits

While formally evaluating these

apparatuses gives the Air Force much-needed insight into their actual performance, pilots benefit from getting first-hand experience in not only using the new equipment, but also in employing live munitions.

Capt. Rob Shallenberger, a 55th FS pilot, shot an AGM-88 High-Speed Antiradiation Missile for the first time at the Utah Test and Training Range near Hill AFB.

"It's like a freight train coming off you. It's awesome," he said.

The squadron tried to match pilots with munitions they haven't employed before, said Maj. Doug Sharre, 55th FS pilot.

The pilots praised the value of live-fire training in experiencing the small differences between simulation and firing actual munitions.

"Someone can tell you all day long

*See Hammer, Page 4*



#### Page 9:

Hurricane Charlie threatened Team Shaw.

#### Page 16:

609th ACOMS: What makes it different?



From *Hammer*, Page 4

what it's like to drive a Ferrari, but you can't get from that description the subtle differences," said Maj. Ian Phillips, 20th Fighter Wing flight safety chief. "Now's the time to find all this out, as opposed to when you get in the theater and do it for real."

The major explained the Utah range, wide-open and desolate, allows Shaw's pilots to drop larger munitions that they can't drop at Shaw.

"Smoky SAMs," a corkscrew of smoke simulating a missile, added to the stresses placed on the pilots.

For Capt. Jason Cooper and Capt. Travis Peterson, both pilots with the 55th FS, there was an additional stressor: a moving target in the form of a remote-controlled armored vehicle. Not only do pilots need to continuously lase a moving target for the munition to hit the target, but they also need to factor in whether the target is moving at a steady pace or not.

"It's kind of like throwing a football and hitting a receiver in a pass mode. You don't want him to slow down," said Capt. Peterson.

Programs like Combat Hammer offer the opportunities to learn about employing munitions and to push the envelope in discovering the extent of a munition's capabilities, said Lt. Col. Scott Manning, 55th FS director of operations.

#### First on the scene

If it weren't for the maintenance Airmen on the ground building and loading the munitions, the pilots

would still have to simulate firing the weapons.

Master Sgt. William Teneyek, 20th Equipment Maintenance Squadron conventional maintenance NCO in charge, and his team of five Airmen arrived at Hill July 22 to prepare for the formal evaluation. In three weeks, the team built 37 bombs, including GBU-10s, GBU-12s, and AGM-154, commonly referred to as Joint Standoff Weapons.

During the team's time at Hill, the Airmen also traded their bomb-building expertise with ammunition teams from other bases. When they came back to Shaw, they were expected to share their new-found knowledge with the squadron.

"I tell the guys we're going to be the experts, be prepared," said Sgt. Teneyek.

Once the ammo team assembled the munitions, Airmen with the 20th Aircraft Maintenance Squadron loaded the munitions onto the F-16s. The Airmen tested new equipment, also, as they loaded CBU-105s onto the new BRU-57 racks. The BRU-57 racks allow pilots to drop up to four bombs in one sortie, two from each wing, double the usual capacity.

Pilots reap increased flexibility because of this increase in the number of smart bombs carried, and because separate types of munitions can be loaded on a BRU-57 on the same sortie.

"Now I can drop, take out one [target], go somewhere else, take out another," said Col. Manning.

Maintenance and operations Airmen alike compiled valuable lessons learned from Combat Hammer.

"That self-assessment is the key to training, and we do that day-in and day-out," said Maj. Phillips.

#### Ghostbusting for the Air Force

In fact, assessment is the reason for Combat Hammer's existence.

According to Lt. Col. Dave Lujan, 88th Fighter Weapon Squadron director of operations, WSEP operationally assesses effectiveness and suitability of precision-guided weapons.

"We're kind of ghostbusters—if they have any problem with weapons, they're going to call us," said Col. Lujan. Traditionally, data compiled by WSEP is reflective of weapons' data in combat.

During the F-16CJ's participation in Combat Hammer, WSEP paid close attention to the performance of infrared targeting pods and laser-guided bombs, the employment of AGM-154s and joint direct attack munitions, using the Mission Modular Computer 3.3.

In the end, Combat Hammer reaped benefits for not only the Air Force as a whole and Shaw AFB in particular, but also for commanders in the field.

"Combat Hammer proved a couple of things on a few levels. One, it validated the training plan and the work ethic of the 55th Fighter Squadron at Shaw Air Force Base. Two it validated and increased the confidence in this newest set of software and thus allows the Shaw leadership to be better advocates for our capabilities," said Col. Montgomery. "And in the end, it provides the combatant commanders with a revolutionary killing machine."

## NEWS BRIEFS

### Survivor benefits plan Energy conservation Fence construction

Retiring members who need to build an estate to protect their families from the loss of retirement benefits if they die should use the survivor benefit plan as the floor of their protection. This inexpensive protection will ensure their spouse will have guaranteed income for life.

Insurance and investment plans have a place in the estate plan of many retiring members, but as a supplement to SBP, not as a replacement for SBP.

Additional details are available by calling Mrs. Debbie Atkins at 895-1592.

Team Shaw is last in Air Combat Command for energy conservation. Use the following tips:

- Set thermostats at 78 degrees Fahrenheit in summer temperatures.

- Set thermostats at 68 degrees Fahrenheit in winter temperatures.

- Limit the use of small plug-in appliances. Battery operated appliances are alternatives.

- Turn off all equipment and lighting not in use.

- Turn outdoor lighting off during daylight hours.

(Information courtesy of the 20th Civil Engineer Squadron.)

A fence is being built around the flightline to improve security by preventing unauthorized personnel from entering restricted areas.

For more information, call 1st Lt. Pete Cusack at 895-9601.

### Reasons to budget

Tracking expenses and controlling your money leads to better decisions.

Finding ways to save a dollar a day can pay off down the road.

More financial advice is available at the Family Support Center by calling 895-1252.

## 20th Security Forces Squadron Blotter

(Editor's note: The blotter includes incidents from the 20th Security Forces Squadron reports. The following information is intended to increase awareness of resource protection and safety concerns.)

- A juvenile was detained for Shoplifting at the BX.

- Three juveniles were detained for Criminal Trespassing while attempting to climb the perimeter wall. One was charged with Illegal Possession of a Controlled Substance.

- An Airman was apprehended for Driving Under the Influence of Alcohol.

- An Airman and his spouse were involved in a verbal altercation at their base housing residence.

- An Airman was apprehended for Underage Consumption of Alcohol on base.

- Two Airmen were apprehended for Assault.

- Security Forces responded to three incidents involving POVs and GOVs.

- There were 19 traffic tickets issued during the week.

- For emergencies, call 911. Direct routine questions and non-emergency concerns to the 20th SFS at 895-3670. If you have information about any crime, call the 20th Security Forces Investigations section at 895-3600.

**S** Question: According to this week's *The Shaw Spirit*, Air Force NCOs revised and updated the Order of the Sword ceremony in what year?

**P** Answer to last week's question: Parents/guardians should ensure they train teenage drivers to be effective, cautious and responsible drivers.

**r** Last week's recipient of an Air Force Birthday Ball ticket went to: Senior Airman Trad Leavitt, 28th Operational Weather Squadron

**i** The first person to e-mail *The Shaw Spirit* at [spirit.editor@shaw.af.mil](mailto:spirit.editor@shaw.af.mil) with the correct answer receives a ticket to the Air Force Birthday Ball.

<b>DUI/DWI Statistics</b>	
Last incident:	3 days
Last unit:	20th AMXS
2004 total:	31
2003 total:	28
<small>(As of Wednesday)</small>	

## *The envelope please ...*

Congratulations to the following Team Shaw members who are 20th Fighter Wing Quarterly Award winners for the second quarter of 2004:

**Airman of the Quarter:** Airman 1st Class Adam Morrison, 31st Intelligence Squadron

**NCO of the Quarter:** Staff Sgt. Jason Fitts, 20th Maintenance Group

**Senior NCO of the Quarter:** Master Sgt. Brian Davis, 20th Civil Engineer Squadron

**Company Grade Officer of the Quarter:** Capt. Toby Walker, 20th Aircraft Maintenance Squadron

**GS-6 and below of the Quarter:** John Whigham, 20th Logistics Readiness Squadron

**GS-7 and above of the Quarter:** James Story, 20th Operations Support Squadron

**Honor Guard Member of the Quarter:** Senior Airman Collin Bossard, 20th AMXS

**Army National Guardsmen of the Quarter:** Sgt. Charles Odom II, 202nd Cavalry; Cpl. Daniel Clark, 202nd Cavalry

**Military Volunteer of the Quarter:** Airman 1st Class Jessica Wills, 20th Equipment Maintenance Squadron

**Civilian volunteer of the Quarter:** Garnet Barnett, American Red Cross



Photo by Tech. Sgt. Shirley Henderson

## Passing torch

Lt. Col. Peter Hunt (right) takes command of the 609th Combat Plans Squadron Aug. 13. Col. Bob Chapman, 609th Air Operations Group commander, (left) was the presiding officer at the ceremony.

## Johnston retirement

Col. Joe Johnston, 20th Fighter Wing Chapel, is retiring after 35 years of service. He and his wife, Suzelle, have been at Shaw one year.

After retirement, the Custer, S.D., native plans to work as an international suicide intervention instructor.

"Thirty five years of dedicated service to this great nation, the U.S. Air Force and Team Shaw is truly commendable, not only to Col. Johnston but his entire family and their support for his career as well. God speed," said Col. Philip Ruhlman, 20th Fighter Wing commander.

The retirement ceremony is today at 9 a.m. at the Palmetto Chapel.



## Shaw prepares for hurricane

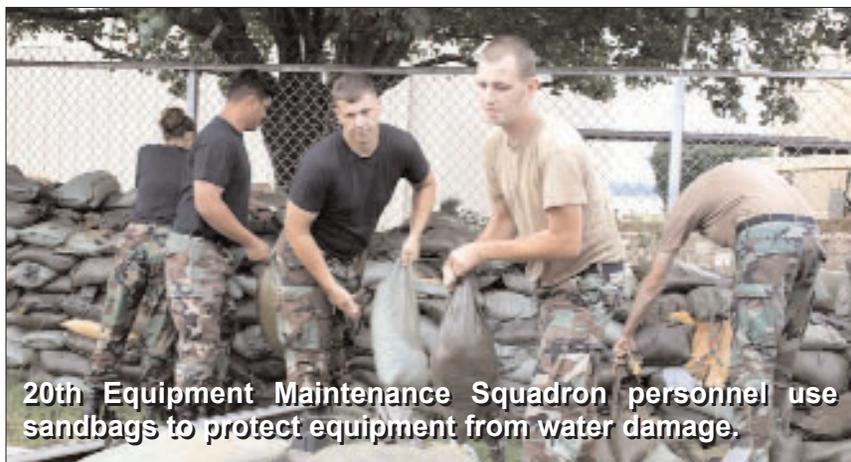


*Photos by Airman 1st Class Susan Penning*

Above, 20th Aircraft Maintenance Squadron members hangar an F-16 Aug. 12. Jets and equipment were secured by Shaw personnel in preparation for severe weather.



Above, Airman Aubree Hagar (left) and Airman 1st Class Jason Ward, 20th EMS, prepare to service trailer tires that will bring equipment indoors.



20th Equipment Maintenance Squadron personnel use sandbags to protect equipment from water damage.

## Out of cycle promotions

Congratulations to the following Team Shaw members who were selected for promotion out of cycle. These members were evaluated outside the normal test dates.

### Master sergeants

Brian Dugan, 20th Security Forces Squadron; Duane Kyles, 20th Equipment Maintenance Squadron

### Technical sergeants

Michael Bradley, 609th Air Communications Squadron; Christopher Davis, 20th Aircraft Maintenance Squadron; Russel Montague, 20th AMXS; Tiffany Oliver, 20th Aeromedical-Dental Squadron; Ivan Walker, 609th ACOMS; Juan Williams, 20th Maintenance Operations Squadron

### Staff sergeants

Matthew Blanchard, 20th Communications Squadron; Derek Bodek, 20th Civil Engineer Squadron; Ryder Hayes, 20th CS; Shambliss Ingram, 20th Comptroller Squadron; Lawrence Sanders, 20th Component Maintenance Squadron; Ibanmir Williams, 20th Mission Support Squadron

# AF pharmacies implement new formulary guidelines

WASHINGTON -- Air Force pharmacies will no longer distribute some high-use, but expensive medications. This was outlined in a memorandum recently sent out to all Air Force pharmacies by Maj. Gen. (Dr.) Joseph E. Kelley, assistant surgeon general for health-care operations.

"It's no secret that [fiscal year 2004] has been an extremely challenging budget year for the Air Force medical service," Gen. Kelley said. "In addition to being faced with more expensive drugs coming to market this year, there has been an 8% price increase in the approximately 150 high-use medications contained on the Department of Defense and Veterans Affairs contract list."

To assist in meeting the medical service fiscal parameters, changes will be made in dispensing non-sedating antihistamines, some arthritis medications and insulin.

For patients requesting refills on the medications being deleted, a 30-day supply will be provided to allow them enough time to obtain a new prescription for another medication.

According to Col. Phil Samples, pharmacy consultant to the surgeon general, currently three systems are in place that influence the drug-selection process.

"First, DOD has a committee comprising physicians and pharmacists from all services that reviews classes of drugs and makes recommendations regarding individual medications that must be carried at every military pharmacy," Col. Samples said. "These medications provide the foundation for all other formulary decisions and represent the minimum number of drugs a pharmacy will carry."

"The intent is to ensure certain maintenance medications for things like blood pressure or diabetes are available throughout the DOD system," he said.

"Next, every medical facility has its own pharmacy and therapeutics committee, consisting of local physicians and pharmacists, that evaluates medications for addition to the formulary based upon the scope of practice at that particular facility," Col. Samples said.

The third is the Air Force medical operations function. This is a relatively new process where officials

can direct changes across all Air Force pharmacies.

"A medication can now be mandated for inclusion at all Air Force pharmacies, thus standardizing the benefit and savings," Col. Samples said.

For patients seeking medications not contained on the pharmacy formulary, two options exist.

"First, the Tricare mail-order pharmacy will mail up to a three-month supply of medication directly to the patient's home for a small co-pay of \$3 or \$9 depending on generic or brand-name medication.

Second, the retail managed-care support contract pharmacies provide up to a 30-day supply of medication for a \$3 or \$9 co-pay," Col. Samples said.

"When you consider the combination of the medical treatment facility pharmacy, Tricare mail-order pharmacy and retail network pharmacies, patients can receive a wide variety of medications," Col. Samples said.

If you have questions regarding your pharmacy benefit, please call **895-CARE** and select **2** for the pharmacy menu, when prompted. (*Information courtesy of Air Force Print News.*)

*The Shaw Spirit* runs announcements for sporting event winners, adult and youth sporting leagues, retirements, award winners and graduates. For more information, call **895-2018** or send an e-mail to [spirit.editor@shaw.af.mil](mailto:spirit.editor@shaw.af.mil).

# ACC commander to receive Order of Sword

By Master Sgt. Mark Haviland  
*Air Combat Command Public Affairs*

Chief master sergeants assigned to Headquarters, Air Combat Command, surprised their boss, Gen. Hal M. Hornburg, ACC commander, with an invitation to be inducted into ACC's Order of the Sword, during a meeting July 27.

"The Order of the Sword is the highest honor the enlisted force can bestow on a leader," said Chief Master Sgt. Rodney E. Ellison, ACC command chief. "ACC Airmen are saying 'Here is a great leader.'"

During the meeting, the chiefs ushered in the general's wife, Cynthia, before formally presenting the invitation to the ceremony -- the exact date and location of the event have not been determined.

The general was visibly moved by the invitation.

"I can't tell you how truly honored I am by this. I've always believed the enlisted corps is at the very heart of what we do, and I've always held you in the highest esteem," said Gen. Hornburg.

Chief Ellison described the ACC commander as "An Airman's Airman."

"Gen. Hornburg's slogan of 'People First -- Mission Always' is more than just words on a wall; he genuinely believes this and consistently backs up these words with actions," the chief said. "He has proven, time and time again, he is definitely worthy of receiving the highest recognition the enlisted men and women can bestow upon their leader."

Historical records show the Order

of the Sword started unofficially in the 1500s. In 1522, King Gustavus the First of Sweden enjoined the noblemen he commissioned to appoint officers to serve him -- accountants, builders, craftsmen, teachers, scribes and others responsible for conducting the ordinary daily affairs of the kingdom.

The system worked so well it was incorporated into the Swedish army as a way to establish and maintain a cohesive, disciplined, well-trained force to protect lives and property in the kingdom. These ancient NCOs would honor their leader and pledge their loyalty by presenting him with a sword.

U.S. Air Force NCOs revised and updated the Order of the Sword ceremony and adopted it in 1967. Since then, the rare honor of receiving it



Photo by Master Sgt. Jim Varhegyi

**The Order of the Sword is considered the highest honor Air Force enlisted members can bestow upon their leaders.**

has only been accorded to those special leaders who take great pride and show great concern for the enlisted corps.

"Nothing could honor me more," the general said. "I'm speechless."



