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Straight Talk Line
556-9154
Call the 21st Space Wing Straight Talk Line for current information on wing events and exercises.

Space doctrine starts from the ground up

By Staff Sgt. Jason Tudor
Air Force Print News

MAXWELL AIR FORCE BASE, Ala.—Nothing like what he is doing now has ever been done before. There is little history to it. It is being developed from the ground up. And everyone is watching.

That is why Maj. Smokey Reddoch, a doctrine writer for space operations, wants to ensure what he is doing now creates a legacy for the 37,200 airmen he serves in Air Force Space Command and for the armed services as a whole.

Reddoch, who has been in the Air Force 14 years, is working on what will become the new Air Force Doctrine Document 2-2, Space Operations, at the Air Force Doctrine Center here. For a little more than a year, Reddoch and Maj. Scott Cook have shared the burden of uniting the ideas and teachings of space operators across the Air Force and throughout the spectrum of services.

"Space is being accepted as a critical link, and it brings more attention to what goes on in our doctrine," Reddoch said. "It's extremely difficult to generate doctrine for space because of its visibility and the fact that we really have few historical experiences to follow."

The major's work is watershed. Eighty-five percent of all military funding for space assets goes to the

Air Force (with other funds distributed between the Army and Navy).

Also, several recommendations were made by the Congressional Space Commission and approved by Secretary of Defense Donald H. Rumsfeld, including:

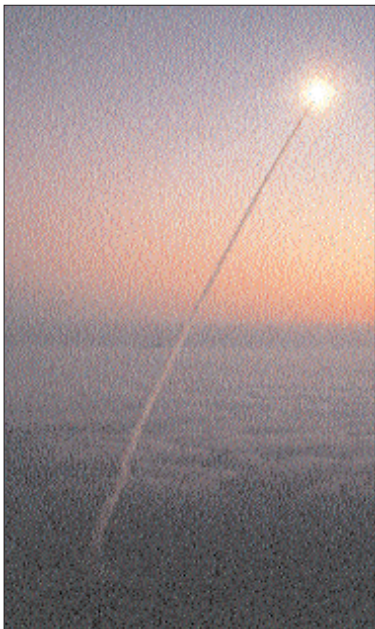
- The Department of the Air Force is assigned responsibility to organize, train and equip for prompt and sustained offensive and defensive space operations.

- The Department of the Air Force is designated as the executive agent for space within the Department of Defense, with Department-wide responsibility for planning, programming and acquisition of space systems.

- The Secretary of the Air Force will realign headquarters and field commands to more effectively organize, train, and equip for prompt and sustained space operations. Air Force Space Command will be assigned responsibility for and provided the resources to execute space research, development, acquisition and operations.

These recommendations and others by the commission set forth a number of opportunities for the Air Force, said Brig. Gen. Michael A. Hamel, space operations and integration director, and deputy chief of staff for air and space operations.

See DOCTRINE, Page 3



U.S. Air Force photo

"Space is being accepted as a critical link, and it brings more attention to what goes on in our doctrine," said Maj. Smokey Reddoch, a doctrine writer for space operations at the Air Force Doctrine Center at Maxwell Air Force Base, Ala. "It's extremely difficult to generate doctrine for space because of its visibility and the fact that we really have few historical experiences to follow."

ORI starts Monday: Wing leaders share top 10 ways to ace the inspection

Team 21's Operational Readiness Inspection kicks off Monday. The following advice on how to ace the ORI comes from Brig. Gen. Bob Kehler, 21st Space Wing commander, Col. Don Alston, 21st SW vice commander, and Chief Master Sgt. Fred Schoettler, 21st SW command chief.

10. Know the past/fail criteria – Research the inspection requirements in Air Force instruction 90-201 and the AFSPC supplement to 90-201. Know what your compliance items are.

9. Be professional and honest – You may not always see eye-to eye with an inspector, but most issues can be resolved in your favor if you keep your cool. Also, don't hedge or try to lie your way out of a tough situation. Remember, integrity first is one of our core values.

8. Have the right attitude – There are two views on any inspection: a chance to shine or an opportunity to fail. Your view plays a big part in how you are perceived. If you approach the inspection as a chance to

shine, it can color the inspection in your favor.

7. Have a professional personal appearance – How we display ourselves, and how we look in our uniform is a direct reflection of competence and our professionalism. A good hair cut, a sharp uniform, and a crisp salute say a great deal to an inspector. Remember, wearing the Air Force uniform means carrying on a tradition of excellence.

6. Use the self inspection system – The expertise to make or break an inspection already exists within your unit. Put that expertise to use by giving yourself an honest look.

5. Perform all actions with maximum demonstration – Avoid simulating a task unless told to do so by an inspector. Our inspection performance should mirror our day-to-day operations as closely as possible. How we fight is being evaluated, not how we simulate.

4. Display a sense of urgency – If a

situation demands a display of urgency, convey that urgency to the inspector. A little hustle is a direct reflection of how we train and evaluate.

3. No-excuse for a repeat write-up – There is no acceptable explanation for making the same mistake. Review the last ORI report, IG messages, staff assistance reports and anything else that will give you more information on previous and current problem areas. We must go the extra mile every-day to ensure we meet our capabilities.

2. Commanders, allow your troops to shine – Your troops have worked hard to prepare for the inspection. Show your trust and confidence in them. Talk to them; praise them for the hard work they do.

1. Always keep safety in mind – Under no circumstances can we jeopardize safety in an attempt to impress an inspector. Safety has to be first on our minds. From using personal protective equipment to following safety procedures to work area safety there can be no short cuts.

Message from the 21st Space Wing commander

The time is now – we are ready! The Operational Readiness Inspection starts Monday.

As a wing we have spent the last few months focusing on "Fighting the Wing." This means we always keep a focus on our operational mission while also following through with our various host unit responsibilities. I think we have all learned a lot and the right processes are in place for our success.

I am looking forward to showcasing our mission and people. The bar of

success is high, but I believe it is within our reach. Our history shows, when we work as a team, whether it is across mission requirements or time zones, we expertly achieve our goals.

Thank you for all your hard work and effort put in to preparing for this inspection. It has made us a better unit. Keep up the great work and be safe.

Brig. Gen. Bob Kehler
21st Space Wing commander

Action line

Submitting Action Lines

The Action Line (556-7777 or by fax: 556-7848) is your direct link to me. It provides an avenue for you to voice concerns over unsolved problems, share good ideas or provide some constructive criticism.

As a reminder, the Action Line is not a replacement for using your chain of command. Action Lines can help make the Peterson Complex and the wing a better place to live and work.



Brig. Gen. Bob Kehler

Missile defense's 'sweet spot' of success

An unarmed Minuteman II Intercontinental Ballistic Missile target vehicle blasts away from Vandenberg Air Force Base, Calif., July 14. Nearly 30 minutes later, it was destroyed by a Minuteman II ICBM prototype interceptor fired from the Ronald Reagan Missile Site Kwajalein Atoll in the Republic of the Marshall Islands. The successful test was conducted in support of the Ground-based Midcourse Defense Segment by the Ballistic Missile Defense Organization in Washington and the 30th Space Wing at Vandenberg.



By Jim Garamone
American Forces Press Service

WASHINGTON, Aug. 10, 2001 -- The test of the ground-based ballistic missile defense system July 14 was almost a complete success, Ballistic Missile Defense Organization officials said Aug. 9.

The exoatmospheric kill vehicle landed a knockout punch on the re-entry vehicle hitting the "sweet spot" almost squarely, said Army Maj. Gen. Willie B. Nance Jr., the program executive officer for the project. AFRTS Radio Report: "Pentagon Says Latest Missile Defense Test a Success"

The intercept occurred about a foot and a half behind the nose of the re-entry vehicle, Nance said.

"The largest piece of debris that we saw, based on all the radar tracks and data that we had, was about a six-inch size piece of debris in any dimension. And that's debris that's left over from the kill vehicle and the reentry vehicle after the intercept," he said.

Of the 23 items tested in the flight, only one did not work. "The system and the elements performed for the most part as expected," he said. "We did have one anomaly, ... the ground-based radar prototype, which is a prototype of the X-band radar. It is located at Kwajalein missile range.

"The last objective that we wanted it to perform was to switch its track from the re-entry vehicle to the kill vehicle and report if it could hit, and so conduct as an objective its ability to perform hit assessment. It did not successfully do that. And it was a software issue. We have determined the cause of that problem."

About a minute before intercept, a database locked up when the software wouldn't permit testers to enter and delete a single-track file in the same cycle.

"We've already made the adjustment and we're ground-testing that," Nance said. The next test is set for October and BMDO plans to fly the same test in terms of the target, target complex and the structure of the elements in the test flown in July. Each test costs about \$83 million, Nance said.

Jumper discusses Air Force aircraft, old and new

By Master Sgt. Rick Burnham
Air Force Print News

WASHINGTON -- In 1955, the Air Force, at that time, rolled out the newest weapon in its arsenal, an aircraft that would serve to strike fear in the hearts and minds of adversaries across the globe: the B-52 Stratofortress.

Nearly half a century later, the B-52 is still a key instrument for the defense of the United States and freedom-loving countries everywhere.

And, if the Air Force's next chief of staff has his way, it will remain so for another 40 years.

Gen. John P. Jumper, currently commander of Air Combat Command, confirmed to succeed Gen. Michael E. Ryan as the Air Force's top officer, spoke at length of the positive attributes of the B-52, along with a variety of other aircraft, during a confirmation hearing before the Senate Armed Services Committee Aug. 1.

"Back before the advent of computer-aided design, when they didn't know everything we know today about

aircraft structures, the tendency was to overbuild them by two or three times," Jumper said. "So the structure of the B-52 is very sound."

The general added that very little on today's B-52H fleet, such as the avionics systems, is as old as the airframes themselves. Further upgrades, to the tune of \$800 million, would keep the bomber going through 2040, he said.

"It will be a very different plane flying 20 or 30 years from now than the one we have now," he said.

Jumper also addressed fighter aircraft during the confirmation hearing, specifically speaking of the F-22 Raptor and the proposed acquisition of 339 of the planes.

"There has not been a bigger supporter of the F-22 than I," he said. "I believe in air dominance, in 'first see, first fire and first kill.' This is the capability that the F-22 will bring. And it will not only be able to beat the things in the air, but, with its supercruise capability, it will also be able to penetrate the highest defenses that we know are

coming down the road. The F-22 is a huge leap in capability, and the need for it is very clear."

Jumper also spoke of the B-2 Spirit bomber, addressing the need for upgrades in the aircraft's communication ability. If the B-2 will be escorted by F-22s, it will require the enhancement of its communications ability to make it more interoperable with other aircraft, he said.

Although those upgrades were planned in the 2002 budget, they were dropped in favor of increasing the bomber's payload.

"We opted for lethality first," he said. "That's the incorporation of the new generation of 500-pound, precision-guided munition that will allow us to carry 80 on the airplane. These are tough tradeoffs, and we were forced to make them, but the communi-



Courtesy photo

Gen. John P. Jumper, currently commander of Air Combat Command, confirmed to succeed Gen. Michael E. Ryan as the Air Force's top officer, spoke at length of the positive attributes of the B-52, along with a variety of other aircraft, during a confirmation hearing before the Senate Armed Services Committee Aug. 1.

cations systems remain on our top unfunded priority list."

Jumper will take over as chief of staff during a change-of-command ceremony planned for mid-September at the Pentagon.



Photo by Tech. Sgt. Alex R. Lloyd

Change of office

Left to right, Canadian Forces Lt. Gen. George E.C. Macdonald, former deputy commander-in-chief NORAD; Gen. Ed Eberhart, commander-in-chief NORAD; and Canadian Forces Lt. Gen. Ken Pennie, deputy commander-in-chief NORAD, sign change of office documents during a ceremony Aug. 8 at the officers' club. The Canadian change of office ceremony is similar to a U.S. Air Force change of command.

— DOCTRINE, From Page 1

"I personally believe the recommendations of the space commission have the potential to bring about the most profound changes in military space operations and in the role and leadership of space by the Air Force that I have witnessed in my career," he said.

On the basis of those recommendations and the counsel of his superiors, Reddoch said, he and Cook have several challenges ahead to revise the doctrine for the space team.

"For the most part, we're bringing folks around to believing that space is a critical component for fighting the war, but there are still a few resisters," Reddoch said. "We're being very meticulous in how we phrase things. We're focused to think in terms of the end result — the effects desired at the operational level of war. We're thinking for the future."

In addition, command and control is the main doctrine issue in which all services believe they have a stake, Reddoch said.

"Our doctrine today is working to articulate command and control. We're making ground," he said.

Reddoch said ultimately, doctrine is advice, but his incentive for finishing the revision is when people discover its benefits and put it to use.

"When I see people discussing doctrine and attempting to apply it, that is what's most rewarding for me," he said.

Some critics say the United States will not need such enhanced capabilities for 25 years or more, when a peer may arise to challenge America militarily in space. Other critics say there should be no military use of space, but Gen. Ralph E. Eberhart, commander of Air Force Space Command, said May 6 he believes this has already occurred.

"We have, in fact, militarized space," he said. "We use space assets, space information for military applications. We've been doing that for decades. The trend is increasing; not just the United States of America, but also other countries, friends, and possible foes.

"So, I think we've crossed that bridge," Eberhart said.

Southern Watch aircraft strike Iraqi comm sites

WASHINGTON—Air Force F-16 Fighting Falcons were among some 20 Operation Southern Watch Coalition aircraft used in a strike against military communication, radar and missile sites in southern Iraq Aug. 10.

The routine strike targeted a number of Iraqi sites, including communication facilities near An Numaniyah, about 70 miles southeast of Baghdad, and against a mobile early warning radar system and surface-to-air missile site near Nasiriyah, about 170 miles southeast of Baghdad, said Army Lt. Col. Steve Cambell, spokesperson for the Department of Defense. Battle damage assessment is still ongoing.

The strikes were said to be in response to recent hostile acts by Iraq against Coalition aircraft monitoring the no-fly zones in the region. Joining the F-16s in this strike were Navy F/A-18 Hornets and F-14A Tomcats, along with Royal Air Force FR-4 aircraft. All aircraft returned safely from Iraqi airspace to their forward-deployed units, officials said.

"We conduct the strikes to protect U.S. and coalition pilots and aircraft monitoring the no-fly zones," said Army Col. Rick Thomas, CENTCOM spokesperson at MacDill Air Force Base, Fla.

A Pentagon spokesperson noted that coalition aircraft on Operation Northern Watch patrol were attacked today by Iraqi anti-aircraft artillery and surface-to-air missiles, but did not respond. A previous coalition strike in the southern no-fly zone was made July 17 against an Iraqi anti-air-



Air Force News Service graphic

craft artillery site, the CENTCOM release said.

Pentagon officials said the Iraqis fired a surface-to-air missile at a Navy reconnaissance plane inside Kuwait airspace July 19, and another missile that almost hit a U-2 Dragon Lady surveillance plane flying over southern Iraq July 24.

Since December 1998, more than 1,000 incidents have occurred of Iraqis firing missiles and anti-aircraft artillery at coalition aircraft, CENTCOM officials said. More than 375 of them have occurred in 2001.

(Compiled from American Forces Information Service and Air Force News Service reports)

Space Observer

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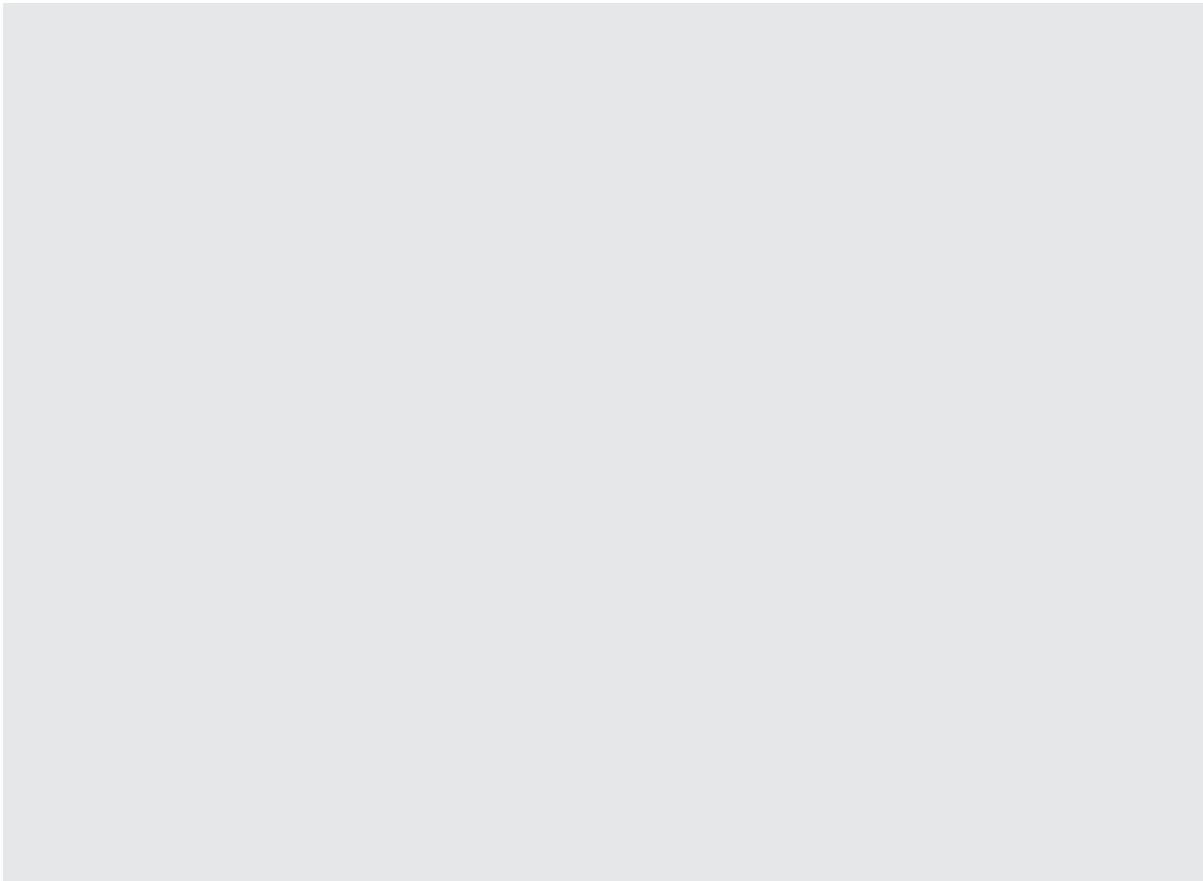
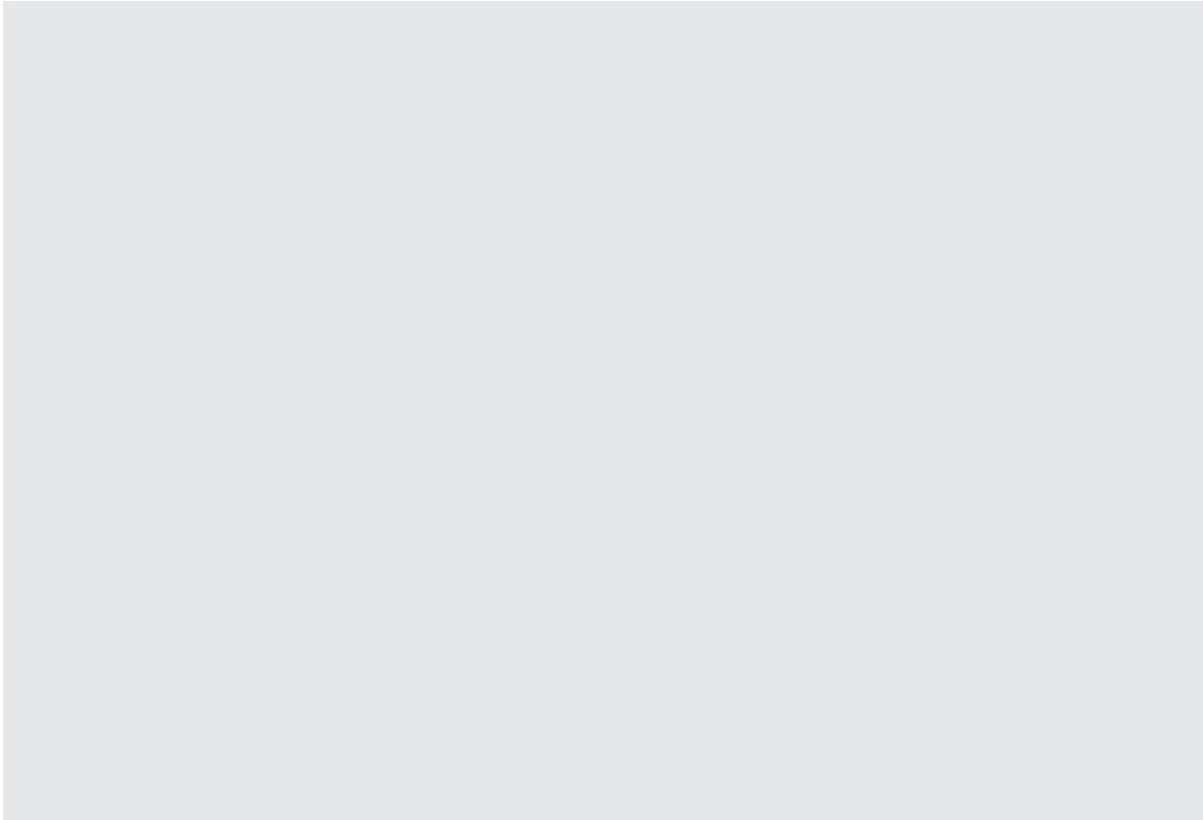
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2nd SWS marks 30-year milestone

By Capt. Burton Catledge
2nd Space Warning Squadron

For 30 years, the 2nd Space Warning Squadron at Buckley Air Force Base, Colo., has provided early ballistic missile warning to the citizens of North America, 24-hours-a-day, seven-days-a-week.

July 20, the squadron celebrated three decades of space warning during ceremonies at the U.S. Air Force Academy. Nearly 300 active duty and retired military members and civilians who have been associated with the squadron attended the celebration.

"I feel lucky to be commanding a squadron with such a long and honored history," said Lt. Col. Robert Gibson, 2nd SWS commander. "The people here are the best in the business, and I'm confident that we will continue this organization's tradition of excellence."

The unit's mission for the past 30 years has been to detect ballistic missile launches, space launches and nuclear detonations in near real time.

The squadron uses Defense Support Program satellites to report information to NORAD and U.S. Space Command Missile Warning Operations Center at Cheyenne Mountain Air Station.

Today, the 2nd SWS is the primary DSP ground station in the continental United States. As a space-based infrared surveillance system, the squadron uses DSP satellites operating in geosynchronous equatorial orbit more than 22,000 miles above the earth. This year alone the squadron has detected and reported over 70 space and missile launches.

Approximately 260 Air Force, Canadian, Australian and British military members are assigned to the unit. Nearly 300 other representatives from several space-related contractors and United States civilian employees also serve as advisors and crewmembers.

The squadron began operations under the 14th Aerospace Force, Aerospace Defense Command July 1, 1971, as the 2nd Communications Squadron. When

ADCOM deactivated in December 1979, the unit became part of the 1st Strategic Aerospace Division, Strategic Air Command. In May 1983, the squadron was one of the first units to transfer from SAC to the 1st Space Wing, Air Force Space Command.

Nearly 10 years later the unit combined with the 2162nd Communications Squadron and became part of the 21st Space Wing. That was when the 1st Space Wing and 3rd Space Support Wing were inactivated and merged May 15, 1992. In May 1993, the unit assumed its current designation.

The squadron merged with Detachment 1, 21st Space Wing May 11, 1999. This merger marked a new era for space-based missile warning at the 2nd Space Warning Squadron. Nonetheless, its motto remains the same, "Ils ne passeront pas," or "they shall not pass."

In terms of space-based missile warning, the 2nd SWS represents the convergence of both past and future. With



nearly three decades of missile warning excellence, the squadron is on the verge of launching the nation's newest line of defense, the Space-Based Infrared System. Given these two distinct systems, the unit is simultaneously charged with maintaining current DSP legacy operations and bringing SBIRS on line.

SBIRS is the newest space-based missile warning

system and will consolidate the existing ground stations into one mission control station while using the current DSP satellite constellation.

For the 2nd SWS, the mission continues around-the-clock as the unit watches the skies for the United States and its allies with early space-based missile warning.

Editor's Note: John Spann contributed to this story.

2001 Water Quality Report released

By Senior Airman
Shane Sharp

21st SW Public Affairs

Base members can get the facts about the water they drink and use everyday thanks to the recently released Colorado Springs Utilities (CSU) 2001 Water Quality Report.

This report is designed to inform the public about the quality water and services CSU delivers to the city's population, including Peterson Air Force Base, every day.

According to Colorado Springs Utilities, their drinking water continually meets or surpasses state and federal standards for drinking water.

CSU as well as the 810th Medical Operations Squadron's Bioenvironmental Engineering Flight test the water that is used on base.

"We test water at 13 different sampling locations per month including the aquatic center, the child development center, the dining facility, and the housing area" said Staff Sgt. Michelle dela Victoria-Wolff, NCOIC Environmental Compliance Bioenvironmental Engineering Flight.

Local water sources (surface water) include North and South Cheyenne Creeks, Fountain and Bear Creeks, and the Northfield Watershed. Five conventional filtration treatment plants – Pine Valley, McCullough, Mesa, Ute Pass and Fountain Valley – located in the Colorado Springs area treat this water using widely accepted, standard technology.

Throughout the process of collection, treatment and distribution, certified water treatment plant operators and laboratory staff monitor the water quality for its chemical and biological content. Some of these analysis are required to meet state and federal standards, while others are part of ongoing testing to assure a continual supply of high quality drinking water.

As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances result-

ing from the presence of animals or from human activity.

The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's Safe Drinking Water Hotline (1-800-426-4791) or visit www.epa.gov/safewater.

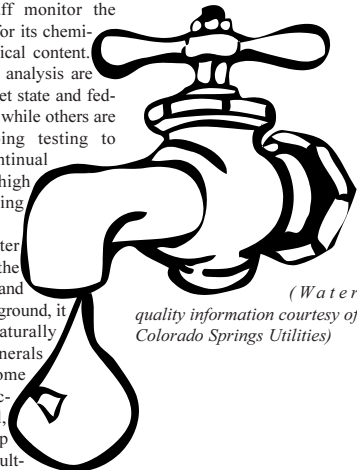
Some people may be more vulnerable to contaminants in drinking water than the general public. These people should seek advice about drinking water from their health care providers. EPA/Center for Disease Control guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and microbiological contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

CSU encourages and invites public interest and participation in community decision-making affecting drinking water.

CSU is governed by the Utilities Board (City Council). Utilities Board meetings are open to the public. Call 668-8000 for the date and location or visit www.csu.org/news/meetings.html

To view the complete 2001 Water Quality Report, visit www.csu.org, then click on Residential Services, then Water and Wastewater, then Water Quality Report 2001 (surface water).

For more information on Peterson Air Force Base water quality, call Staff Sgt. dela Victoria-Wolff at 556-8367.



(Water quality information courtesy of Colorado Springs Utilities)

Today

- Mothers on the Move will be from 9:30 to 10:30 a.m. at the Family Advocacy Center.
- Win \$1,000 at the clubs in the membership big money drawing.
- A Yoga class will be at 12:05 p.m. at the Fitness Center.
- A 5K run will be at 11:30 a.m. at the Fitness Center.
- An intramural bowling league meeting will be at the Enlisted Club at 3:30 p.m.

Saturday

- A car show and block party will be from 10 a.m. to 3 p.m. at the Community Activities Center.

Monday

- Mothers on the Move will be from 9:30 to 10:30 a.m. at the Family Advocacy Center.
- An anger management class will be from 2 to 4 p.m. at the Education Center.
- A singles racquetball tournament begins today and goes through Thursday at the Fitness Center. Hours of the tournament are 10 a.m. to 2 p.m. Call to register.

Tuesday

- The NAF Resale Store is open from 9 a.m. to 2 p.m. Call 556-4876 for details.
- Sponsorship training will be from



Photo Courtesy of 21st space Wing Safety

Out of bounds

The 21st Space Wing Safety Office would like to remind anyone that jogs on Peterson Air Force Base that the dirt road behind the Sportsman Club and Archery Range is off limits to runners in accordance with Air Force Instruction 91-2075. The road goes through the field of fire and a runner could be seriously injured if they disobey the signs. If you have any questions about this area, call the safety office at 556-4392.

7:30 to 8:45 a.m. at the Family Support Center.

■ Pasta night at the Enlisted Club will be from 5 to 7 p.m.

■ A Keystone Club meeting will be at 6 p.m. at the Youth Center.

■ Karate will be from 5 to 7:30 p.m. at the Youth Center.

Wednesday

■ Mothers on the Move will be from 9:30 to 10:30 a.m. at the Family Advocacy Center.

- Story time will be at 10 a.m. at the library.
- A framing class will be from 5 to 9 p.m. at the Community Activities Center. There is a \$25 fee.
- Mongolian Barbecue will be offered at the Officer's Club from 6 to 8 p.m.

Thursday

- Play Group will be from 10:30 a.m. to noon at the Chapel.
- Karate will be from 5 to 7:30 p.m. at the Youth Center.
- A job orientation class will be from 1 to 2:30 p.m. at the Family Support Center.
- A small business class will be from 8 a.m. to noon at the Family Support Center. There is a \$15 fee for materials.

Aug. 24

- Win \$1,000 at the clubs in the membership big money drawing.
- A Yoga class will be at 12:05 p.m. at the Fitness Center.

Helpful Numbers

- Family Advocacy Center 556-8943
- Education Center 556-4064
- Library 556-7462
- Community Center 556-7671
- Aquatics Center 556-4608
- Fitness Center 556-4462
- Officers' Club 556-4181
- Enlisted Club 556-4194
- Youth Center 556-7220
- Family Support Center 556-6141

Community Notes

Community News

PETERSON CAR SHOW AND BLOCK PARTY: The community activities center will host a car show and block party Saturday from 10 a.m. to 3 p.m.

The party will be at the Community activities Center between Tinker and Truax streets.

DINING OUT: The 621st Area Support Group will have a joint service dining out Sept. 15 at 6 p.m. at the Red Lion Hotel in Denver.

For details, call 303-232-3149.

Education Center

UNIVERSITY OF SOUTHERN COLORADO: USC offers reduced tuition rates for civilian and military spouses.

For each credit hour taken with USC-Colorado Springs, the spouse receives tuition at half cost.

Classes begin Monday. New to Peterson Air Force Base are scholarship classes in management and sociology.

Stop by the office located in the Education Center, Building 1141, Suite 111, or call 574-3312.

Schedules for the Colorado Springs campus fall classes are now available.

Youth Center

INDOOR SOCCER: The Youth

Center is taking registration for indoor soccer through September.

To register contact Les Stewart at 556-7220.

FLAG FOOTBALL: Flag football registrations are being taken now until the first week of October.

To register contact Les Stewart at 556-7220.

COACHES CLINIC: There will be a coaches clinic for the indoor soccer season Sept. 24 at 6 p.m. at the Youth Center.

COACHES NEEDED: Coaches are needed for the upcoming soccer and flag football seasons.

For more information, call Les Stewart at 556-7220.

Volunteer Opportunity

BE AN ESCORT: Volunteers are needed for escort duty to Al Jaber and Ali Al Salem, Kuwait.

People from any AFSC may apply but volunteers must have commanders' approval.

Each location has a different grade requirement, but the standard is E-5 or below.

For more information or to volunteer, call Master Sgt. Penny Boggis at 556-7609.

RED CROSS: The Red Cross needs a volunteer to serve as a records chairman in the Peterson Air Force Base office.

Volunteers must have computer

knowledge and be available at least one day a week.

For details, call 556-7590.

Scholarships

TOP-3 SCHOLARSHIPS: The Space Top-3 is offering \$500 scholarships to qualified junior enlisted members.

For more information, call Master Sgt. Samuel McLean at 554-3707.

AFMC Class

KNOWLEDGE MANAGEMENT: Air Force Materiel Command will host a one-hour class on its new Knowledge Management website. The classes will be Monday through Wednesday.

To register for the course, go to <https://137.245.165.172/register/register.asp?Pd=km&Lc=Pet>.

You will be able to choose your class date, time and location.

For more information, call Maj. Gordon Boyd at 554-5956.

Women's Event

WOMEN'S EQUALITY DAY: The women's equality day event will be Aug. 27 from 10 a.m. to noon at the Officers' Club. The speaker will be Leslie Bergstrom who will give a presentation on the history of women in Colorado Springs.

For details, call Debra Agnew at 554-5265.

Chapel Schedule

Protestant Services

Liturgical Worship
8:15 a.m.

Traditional Sunday
Worship
11 a.m.

Gospel Services
12:30 p.m.

Sunday School
9:45 a.m.

Catholic Services

Mass
Weekdays
11:35 a.m.

Saturdays
5 p.m.

Sundays
9:30 a.m.

Reconciliation
Saturdays
4 p.m.

Religious Education

Adult and
pre K-12th grade
Sundays
8:30 a.m.

Air Force doctrine burrows into Army posts

By Staff Sgt. Jason Tudor
Air Force Print News

MAXWELL AIR FORCE BASE, Ala. — Air Force doctrine is burrowing into the Army officer corps, transforming the way airmen and soldiers do business together in a joint environment.

Teaching more than 7,500 students each year, Air Force officers at operating locations on Army training posts across the United States evangelize the Air Force way to every level of the Army's officer corps.

The greenest lieutenant and the most senior brigade commander receive briefings on everything from what a C-130 Hercules looks like to how

aerospace power can help them conduct land-based operations for the joint force commander.

Ingraining Air Force blue into Army green has been done for as long as there has been a separate service. So, what's the difference now? Air Force instructors finally get the opportunity to weave operational doctrine into their teachings, cementing the vital role air power has in the joint warfighting arena.

Classes are taught at Fort Rucker, Ala., Fort Knox, Ky., Fort Sill, Okla., Fort Bliss, Texas, and Fort Leavenworth, Kansas.

Lt. Col. Sonny Arvin preaches the Air Force gospel at the Army Armor Center at Fort Knox. He speaks to

between 750 and 800 students every year, talking about Air Force missions to include air interdiction and close air support. He teaches at the Army Career Captains Courses for junior grade officers and the Pre-Command Courses for field grade and senior officers.

Arvin is no stranger to the Army. He was the 19th Air Support Operations Squadron commander with the 101st Airborne Division at Fort Campbell, Ky., for a time, and he is intimate with Army operations and the service's working mindset.

During his tenure at Fort Knox, Arvin said he has learned even more about how the two services work together.

"There's some different

thinking and some different ways of working," he said. "We're all after the same objective though."

That objective is working together to win a war. Arvin said doing that means approaching the fight from two very different perspectives. Traditionally, the Air Force supports the joint force commander by helping the Army in a number of ways. Air Forces provide reconnaissance via satellite imagery, close air support using A-10 Thunderbolt IIs to engage the enemy in close proximity to friendly troops, and other airborne mission areas.

"There's the soldier's perspective, on the ground viewing the battlefield through its width and depth, and the airmen's perspective, seeing the battlefield in a three-dimensional manner," he said.

"We go in and show them the Air Force way of doing business according to our doctrine and how we support the joint force commander during contingencies."

The development, Arvin said, is evolutionary.

"When we get them as lieutenants, we set the stage," he said. "By the time they become captains, there's a greater interest and, finally, as brigade commanders, there's a tremendous interest in seeing what aerospace power can bring to the fight."

Lt. Col. Al Jones reaches more than 5,000 students each year at Fort Rucker, the home of Army aviation. They ask many of the same questions about what the Air Force can provide during battle, but many of the questions are about close air support, helping soldiers win their fight in the mud.

However, sometimes the classroom atmosphere — composed primarily of warrant officers, new and old — can grow tense when Jones suggests there are other options for close air support when there just isn't enough to go around.

"They're all concerned about close air support," Jones said. "When we're unable to provide it at times, we tell them

'look, we're not mad at you and didn't supply CAS because we were off playing golf. There's only so much to go around.'"

Jones goes on to explain there are other options and ways to meet the mission needs, more effects-based solutions to the situation instead of just supplying close air support — all revolving around the latest doctrine the Air Force is employing at an operational level.

But while all the academic advice about global attack, joint warfare and Air Force methods sets the table, Jones said many of the issues he discusses are more fundamental.

"On a lot of levels, what I'm trying to teach is that we are not the enemy," he said. "We're a joint force and we're not going to go to war without you."

Both Arvin and Jones agree the development of a joint fighting force is the path to future operations. Having Air Force officers available to teach best practices to their counterparts in green is one way to accomplish that.

"It's working," Arvin said. "Everybody believes that we ultimately have to come together to fight jointly. If we can come together on certain things, we'll fight and work better together."

Jones agreed but said the mindset of joint warfighting, and meshing effects-based warfighting capabilities, will take time to catch on.

"A shift like that will take a while," he said. "You almost have to be like an evangelist. First, we have to get Air Force people talking this way, and then we'll get the broad spectrum of camaraderie working."

"The benefit," he said, "is for the joint force. The joint force will fight future wars. So, we have a lot in common."

Air Force testing new athletic cut uniforms

WASHINGTON — Seeing a significant increase in tailoring costs, and based on feedback from the field, the Air Force is currently testing athletic-cut uniforms for men.

"In the past few years, we had noticed a 142 percent increase in tailoring costs at basic training to accommodate men with athletic-type builds," said Master Sgt. Ruth Nischwitz, chief of the Air Force uniform board office.

"We also were getting questions and comments about the uniform fit from athletic-built airmen."

Participants are testing the service jacket and trousers, Nischwitz said.

For the test phase, uni-

form designers enlarged the upper torso, chest, neck and biceps and decreased the waist for the service jackets.

Additionally, the thighs and seat areas were increased on the trousers, while the waists were made smaller, Nischwitz said.

According to program managers at the Air Force Clothing Office at Wright-Patterson Air Force Base, Ohio, participants will evaluate the garments' appearance, comfort, fit and suitability.

Data gathered from the test will be used to confirm the suitability of the new sizes, validate size prediction charts and update procurement documents, said program managers Yvonne Wilson and Debra Klensch.

Although the current test applies only to the men's uniform, the clothing office may expand the test to include the women's uniform.

(Courtesy of Air Force Print News)

Retiree Appreciation Day comes to AFA

By 2nd Lt. Suzanne Kohout
21st SW Public Affairs

The 21st Space Wing, commanded by Brig. Gen. C. Robert Kehler, will host the annual Military Retiree Appreciation Day and Information Fair Aug. 25, beginning at 9 a.m., at Arnold Hall, U.S. Air Force Academy.

Keynote speaker retired Maj. Gen. Richard D. Murray, president of the National Association for Uniformed Services, will discuss issues involving TRICARE for Life. NAUS, a nonprofit lobby group, educates government leaders on protecting military members' and veterans' and their family members' benefits.

Other speakers will participate in a panel discussion following the keynote speaker's address.

Teresa Klataska, project manager for the TRICARE central region, and Col. David G. Schall, 10th Medical Group commander and direct reporting unit command surgeon, U.S. Air Force Academy, and Colonel James McGaha,

Evans Community Hospital Director commander, will discuss the TRICARE program.

Planned events will offer retirees and family members opportunities to learn more about medical benefits.

"This is one of the most important information fairs that the retirees will have available for information on the TRICARE program," said retired Chief Master Sgt. Denver Bolster, director of the Peterson AFB Retiree Activities Office. This event is open to retired members from all branches of the military and their spouses and family members.

The fair begins with refreshments at 8 a.m., followed by the programmed events at 9. An information fair following the program will include information from various agencies and veteran's organizations whose representatives who will answer questions on a variety of subjects.

Parking will be available at Arnold Hall and the AFA Field House. Buses will run between those locations every 15 minutes starting 8 a.m. For more information call 556-7153.

GOTTA GO, GO GOTTA RODEO

By Senior Airman Josh Clendenen
21 SW Public Affairs

The 61st Annual Pikes Peak or Bust Rodeo wrapped up Aug. 12 after nearly a week of rodeo action.

Gen. Ed Eberhart, commander in chief, U.S. Space Command and NORAD, and Air Force Space Command commander, was on hand to kick the rodeo off Aug. 8.

Servicemembers and civilians who attended the rodeo were able to watch cowboys and cowgirls from the Wrangler ProRodeo Tour compete in events ranging from barrel racing to bull riding. And, as with any rodeo, the crowd was kept entertained by the antics of the rodeo clowns.

Event winners included the following:

- Bareback Riding: Kelly Wardell with an 87 on Sheep Tick
- Steer Wrestling: Lee Graves with a time of 4.1 seconds
- Team Roping: Tie--Richard Eiguren and BJ Campbell and Speed Williams and Richard Skelton with a time of 4.7 seconds
- Saddle Bronc Riding: Roderick Hay with an 85 on Sun Devil
- Calf Roping: Brent Lewis with a time of 10.7 seconds
- Barrel Racing: Tie--Gloria Freeman and Charmayne James with a time of 17.37 seconds
- Bull Riding: Vince Stanton with an 87 on Copenhagen Barracuda

For details on the rodeo, go to www.prorodeo.com.



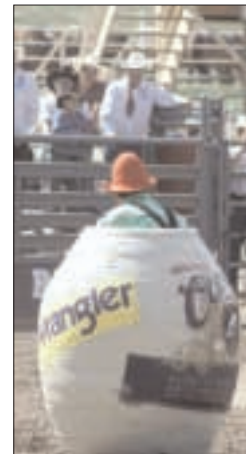
Photos by Tech. Sgt. Alex R. Lloyd



FAR LEFT: A bull rider gets c
Annual Pikes Peak or Bust Rodeo
LEFT: A Wrangler ProRodeo Tr
turn a calf during the steer wr
BOTTOM LEFT: A calf roper t
his calf.

TOP CENTER: A rodeo clown
tries to hang on for eight secc
BOTTOM CENTER: Gen. Ed EI
Space Commandand NORAD
Command commander talks v
Peak or Bust Rodeo.

LOWER RIGHT: Gen. Eberhart
the kick off of the 61st Annual



TTA GO



off the hard way during the 61st rodeo August 8 through 12.
four steer wrestler digs in to try to
restling event.
begins his dismount after roping

i in a barrel watches as a cowboy
onds.

berhart, commander in chief, U.S.
AD and the Air Force Space
with a few members of the Pikes

t rides in on a stage coach during
al Pikes Peak or Bust Rodeo.



Jefferson, Adams, Franklin—Great minds think alike

Writers of the Constitution, Declaration of Independence, Bill of Rights had right idea

By Master Sgt. Rick Burnham
Air Force Print News

WASHINGTON D.C.—

The recent decision by the National Archives and Records Administration to remove the original Declaration of Independence, the Bill of Rights and the Constitution from public display because of a renovation project really hit home with me.

As a new resident of the National Capital Region, I had

listed that location as a “must see” during my tour at the Pentagon, along with the Washington Monument and the Jefferson Memorial.

To the average American, these documents provide a glimpse of the brilliance our forefathers demonstrated in laying the blueprint for our country.

But to me, these documents say so much more. They outline the duties and responsibilities we have as Americans, they guarantee all the rights and privileges asso-

ciated with being free men and women, while stressing that integrity should be the guide in all we do.

It is unlikely that Thomas Jefferson, John Adams, or Benjamin Franklin could have envisioned a U.S. Air Force of 2001.

Stealth technology, air-to-air refueling and the C-17 Globemaster III would have been significant leaps of faith, considering the Wright brothers’ historical flight was still more than a century away.

Still, it is truly amazing how the key concepts of today’s Air Force—our core values—are laced throughout the Declaration, the Bill of Rights and the Constitution.

Although you won’t find the words “Integrity First,

Service Before Self and Excellence In All We Do” anywhere in them, the ideas behind them are consistently on display in these documents.

Take, for example, the Declaration of Independence. Written by Jefferson over a 17-day period in mid-June 1776, the document includes some of the most famous words ever penned by a human being: “All men are created equal...endowed by their creator with certain unalienable rights, that among these are life, liberty and the pursuit of happiness...governments are instituted among men, deriving their just powers from the consent of the governed, that whenever any form of government becomes destructive of these ends, it is the right of the people to alter or to abolish it.”

In other words, so as to not impose upon the rights of their fellow citizens, the men and women empowered to any government office, including the military, should let integri-

ty lead the way. “Integrity first” and always.

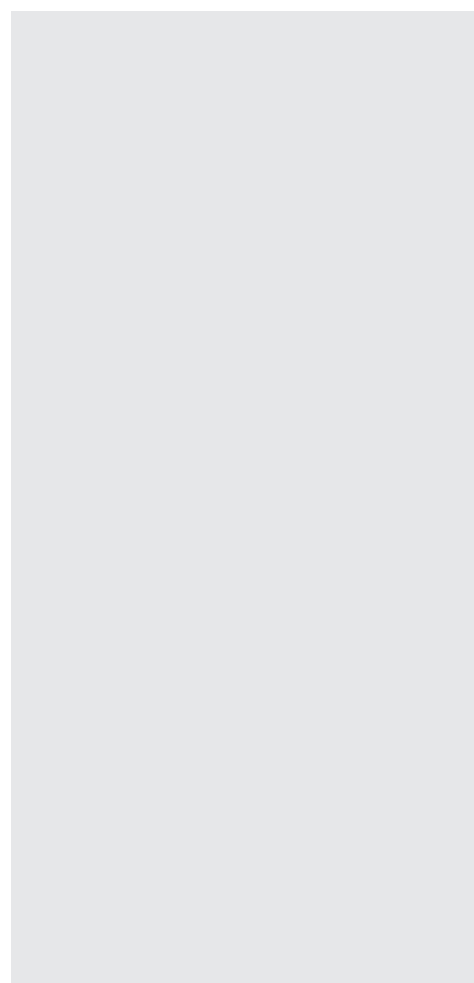
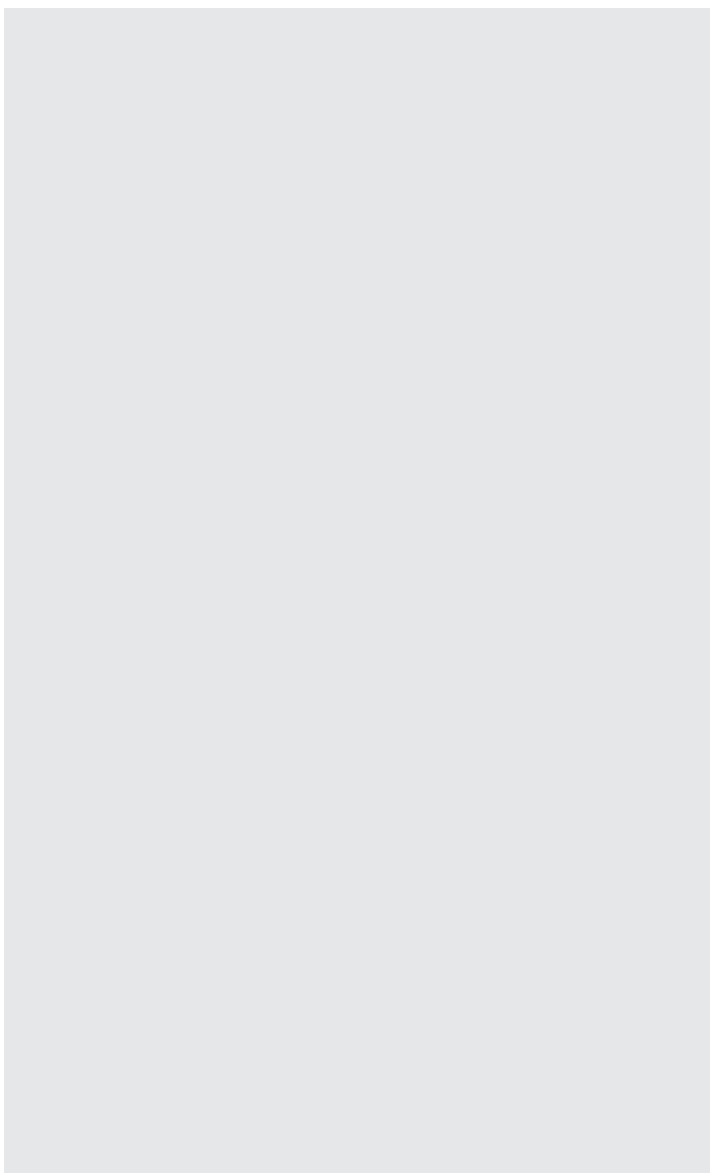
The Constitution, Declaration of Independence and Bill of Rights we are allowed to live our lives to the fullest.

Instead of worrying about whether our personal beliefs will be accepted by those in power, we can concentrate on more important things: our families, our careers, and our dreams. Success, accomplishment, “excellence in all we do.”

We can speak our minds without worrying about retribution. We can assemble, and do it with the confidence that we can and will make a difference.

So we owe thanks to Jefferson, Adams and Franklin. Thanks for showing us the way.

While they couldn’t have imagined it then, their forethought helped shape the greatest Air Force in the world, America’s Air Force. No one comes close!



Block party and car show set for tomorrow at CAC

By Margie Arnold
21st Services Marketing

The 21st Services Squadron is sponsoring a car show tomorrow from 10 a.m.-3 p.m. at Peterson Air Force Base, in conjunction with a block party at the community activities center.

The show will feature vintage and new cars, hot rods, rugged vehicles, vintage and new motorcycles and just about anything road worthy.

Visitors will be able to look at the vehicles, talk to their owners, listen to music, eat food and shop for crafts.

"We will have people selling crafts, food, and special gift items from the CAC and Frame Shop," said Deb Connor, CAC director.

"For kids there will be a ring toss game, face painting, balloons and a moon walk," she added.

Music from the 1950s and 1960s will be playing, and Colorado Gold Kings forward Zac Boyer will be signing autographs.

Drawings will be held throughout the day. Prizes include mugs, T-shirts, hats, tickets to Six Flags in Texas and the grand prize: a package including two nights free lodging for four persons, four tickets to Six Flags, Hurricane Harbor, Southfork and Ripley's, and four tickets to the Texas Rangers baseball game with box seats and a Gold Club pass. You must be present to win the grand prize.

The block party and car show will be in the CAC parking lot, located between Truax and Tinker streets. The event is scheduled to run from 10 a.m.-3 p.m. For information about registering for the car show, call 556-4481. For details on the block party, call 556-1737.



Courtesy photo

Joe Lash and his 1937 Ford V-8 will be at the car show tomorrow.

Peterson bodybuilders take championship titles



Courtesy photo

Ryan Sullivan, a competitor in the Southern Colorado and Armed Forces Natural Bodybuilding Championship, flexes and poses for the judges. He placed first in the men's novice division, second in the men's middle weight division and third in the Armed Forces male division.

Ryan Sullivan, a General Nutrition Center store manager at Peterson, placed first in the novice division, second in the open middle weight division and third in the Armed Forces Division of the Southern Colorado and Armed Forces Natural Bodybuilding Championship Aug. 4 at Doherty High School in Colorado Springs.

Four people from Peterson Air Force Base and one from Fort Carson participated in the statewide championship sponsored by The National Physique Committee.

Sylvester Evans from the commissary, finished in second place in both the open heavy weight and the 40 to 50 master's division.

Staff Sgt. Charles Curry from the 10th Medical Group placed second in the open light-heavy weight and fourth in the

Armed Forces Division.

Mark Laur from Fort Carson placed second in the open lightweight division and fifth in the Armed Forces Division.

Senior Airman Peter Weatherford, 21st Civil Engineer Squadron, came away with first place honors in the Armed Forces Division. Sullivan, Laur, and Weatherford were all first time competitors.

This is the first time NPC Colorado has included a division specifically for the military. Jeff Taylor, Colorado NPC president, wanted to involve the military community in the state-wide competitions, so he added an Armed Forces Division for all active duty and retired military personnel.

The NPC named Jimmy Banks, 21 Logistics Squadron, as the NPC Colorado Military Athlete Representative.

All competitors will under-

go 45 minutes of drug testing prior to being accepted in any NPC competitions.

The Southern Colorado and Armed Forces Natural Bodybuilding is held every year in August. The NPC encourages active duty, retired, and reserve military men and women to participate in this event. There are competitive divisions for everyone, from open lightweight to open heavy weight.

Military members are not required to compete only against other military members. Since this is a drug tested event, they can compete against civilians.

Interested military members can contact Jimmy Banks at jimmy.banks@peterson.af.mil or 556-1599.

Civilians who are interested in the competition can contact Jeff Taylor at www.jefftaylor.com.

(Courtesy of Jimmy Banks, 21st Logistics Group)



Photo by 2nd Lt. Mike Andrews

Swing batter batter!

Trisha Morgan, 21 SW/DS, watches for the ball during Peterson Coed Softball Championships Aug. 10. Headquarters Air Force Space Command defeated defending champs 21st Space Wing Director of Staff, 13-12.



Photo by Senior Airman Shane Sharp



PJ challenge

Michael Stede (foreground) and Craig Hess (background) do sit-ups during the "PJ challenge" Aug. 10 at the fitness center. The contest was based on the physical fitness test that applicants to the pararescue indoctrination course must pass, including timed swimming, running and calisthenics. Hess finished first, Doug Howk second and Jim Satchell third.

Sports**Shorts**

Fitness center positions - The Peterson Air Force Base Fitness Center has contract positions open for a Tae Kwon Do instructor and a Tai Chi instructor. For more information, call the special programs staff at 556-1515.

Singles racquetball tournament - There will be a singles racquetball tournament Monday-Thursday at the fitness center. Games will be played 10 a.m.-2 p.m. Tournament cost is \$5 and the registration deadline is Monday. Call 556-1515 for more information.

Volleyball tournament - There will be a volleyball tournament Aug. 29-31. Cost is \$10 per team with an eight-person roster limit. Teams must register by Aug. 21. Call 556-1515 for more information.

Youth baseball fields - The Youth Center staff reminds people that the youth baseball fields are for use by the youth department and are off limits to adults. Adults may use the Patriot Fields.

For more information or to reserve an adult field call 556-4462.

Kiddie pool - The kiddie pool is now available for use. To schedule the kiddie pool and party room, visit the aquatics center and fill out a registration form. Rent is \$25 per hour, and reservations must be scheduled in two-hour increments. The aquatics center has a brochure outlining policy details.

For more information, call 556-4608.

Submit your articles to the Space Observer

Articles must be received at least 10 days prior to the date you want them to appear in the Space Observer.

Articles can be e-mailed to shane.sharp@peterson.af.mil or melanie.epperson@peterson.af.mil.

Call 556-7846 for more information.