



“2003 AFSPC Best Large Wing PA Office”

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Peterson Air Force Base, Colorado

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Firefighters take part in unique training opportunity

Pages 8-9

Photo by Airman Mandy Weightman

Public Affairs staff announces change in classified ad submissions
For details see the classified-ad form in the Classified Section of the Space Observer.



Thailand-born American answers call for tsunami relief effort

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Photo by Staff Sgt. Denise Johnson

Association offers solutions



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Wing leaders visit Northern Frontier



Courtesy photo



Everyone has ability to 'just do it'

By Lt. Col. Karen M. Kinne
21st Medical Operations Squadron commander

A famous saying can be applied to any goal you set on any topic you choose: "just do it." Many sports and other competitive events bring this saying to mind as one sprints the last lap of a timed Fit-to-Fight run, or when one contemplates a shot from the free-throw line to make that winning basket. All of these tasks take a special commitment from you to focus and give it all you can.

JUST DO IT ... Set a resolution this year to promote a healthy lifestyle and ensure you take care of yourself. It's important to maintain healthy lifestyle habits that lead to vigor and good health. Most serious chronic diseases can be avoided if right choices are made on habits we develop over time.

Just as periodic monitoring and regular maintenance is required on a car,

it's necessary to use the same type of schedule to maintain a healthy body. The Air Force Medical System has developed a program that resembles the vehicle maintenance schedule on an automobile warranty.

The warranty agreement for your body is called Preventive Health Assessment and Individual Medical Readiness Program. The program is a maintenance schedule based on prevention and is composed of none other than the Preventive Health Assessment and Individual Medical Readiness.

The PHA is the mandatory annual maintenance check on your body. The IMR is the medical prerequisites for deployment readiness. Combined, they provide a quick and easy avenue for commanders to determine who is medically ready and qualified for worldwide deployment.

JUST DO IT ... When your unit deployment monitor notifies you of your PHA appointment, put it on your

calendar as a mandatory meeting and report promptly as directed. This is a disease-prevention-based appointment with annual medical screening and testing requirements determined by occupation, age, sex and individual risk factors. Cholesterol and HIV testing, dental exam and cleaning, skin cancer exam, testicular exam and mammograms are only a few of the age-specific tests performed. Do not become a no-show statistic. Ignoring routine maintenance can lead to adverse health conditions and hamper your unit's ability to quickly mobilize.

The IMR consists of six factors: immunizations, dental, laboratory tests, medical equipment, for example gas mask inserts, PHA and physical profiles. Together, these six factors must be evaluated and updated annually in the PIMR database. This is a web-based quick reference for commanders at all levels, including the Chief of Staff of the Air Force, to view your unit's readi-

ness status. Unit commanders may also retrieve the medical readiness status of any individual assigned to their unit.

Prevention is the cornerstone to the medical service's commitment to readiness. Clinical preventive services ensure every active-duty member gets the recommended medical intervention appropriate for their age. Your primary care manager, and his or her team, is responsible for providing you with this evaluation.

JUST DO IT ... You and your commander must ensure full compliance with all requirements. Your 2005 resolution can be reached with adherence to your maintenance schedule. Good health will provide the highest level of effectiveness for the most important weapon system in our inventory – you. When it comes to maintaining a healthy body, being physically fit and being medically ready for deployment on a moment's notice ... JUST DO IT.

Action Lines

Submitting Action Lines

The Action Line is a direct link to the 21st Space Wing commander. It should be used when other avenues have failed. Concerns should be addressed at the lowest possible level in the chain of command and elevated as necessary.

Though not required, Action-Line users should leave point-of-contact information when submitting an Action Line. This will allow those who are addressing the concern to clarify the information and respond, if necessary. Not all responses are printed; however, if information allows, a response will be rendered in another format.

If satisfactory results have not been attained by addressing the chain of command, call the Action Line at 556-7777 or fax 556-7848.

Repaired parking lights brighten customer's day

Question: Can the parking lot lights in front of buildings 2 and 3 be fixed? They have been out/inoperative for a great period of time.

Answer: The 21st Civil Engineer Squadron had problems with a damaged line in that area and have repaired it since this call. The damage was fixed Dec. 17. The lights in the parking lot are on once again. They will continue to monitor the situation. For information, call Maj. Craig Cole at 556-1430.

Unemployed seeks library Internet service

Question: When is the Internet problem at the base library going to be fixed? I am currently unemployed and require the computer so I can check jobs – especially the Air Force web site.

Answer: The Internet service at the library is functioning once again. The Internet service went down Nov. 29 and was restored Dec. 7. The problem involved the breakdown of the firewall system responsible for weeding out unwanted, inflammatory and offensive web sites. For information, call Cara Kincaid at 556-7462.



Photo by Budd Butcher

Group hosts change of command

Brigadier General Richard Webber, 21st Space Wing commander, presents command of the 21st Mission Support Group to Colonel Douglas J. Hine Dec. 16. The change of command is ceremoniously passed to new commanders by a formal presentation of the unit's guidon.

Space Observer

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A Moment in Time



- **Jan. 9, 1976** – The U.S. Air Force's first operational F-15 Eagle, the new air superiority fighter aircraft, arrives at 1st Tactical Fighter Wing, Langley AFB, Va.
- **Jan. 10, 1946** – An Army R-5 sets an unofficial world helicopter record of 21,000 feet.
- **Jan. 12, 1939** – President Roosevelt asked Congress for a revision of the authorization for Army aircraft.
- **Jan. 13, 1942** – The XR-4, the Army Air Force's first helicopter, made its initial flight.

Airman provides local 'Thai' to tsunami victims

By Staff Sgt. Denise Johnson
21st Space Wing Public Affairs

Editor's note: this is the first in a series of articles following the 21st Space Wing's involvement in the tsunami relief efforts.

A lieutenant from the 21st Space Wing Public Affairs office deployed to Thailand Jan. 7 to help in tsunami relief efforts and provide public affairs support.

"Pacific Air Forces, the Air Force major command responsible for Air Force operations in the Pacific region, requested 1st Lt. Paradon "Sil" Silpasornprasit by name," said 1st Lt. Jennifer Whitaker, 21st SW Public Affairs media relations chief. "Lieutenant Sil was born in Thailand, speaks the language fluently and is

familiar with the customs and culture of the Thai people."

Lieutenant Sil, the PA deputy chief, is scheduled to conduct public affairs operations in Thailand and throughout the affected region for approximately 45 days. He said his family members live in Northern Thailand but, thankfully, all were unharmed by the tidal waves and flooding.

"I think it's a great opportunity for me to help with the relief effort," Lieutenant Sil said. "Being able to speak Thai will be helpful in the communications process."

Another public affairs specialist, Tech. Sgt. Jennifer Thibault, 21st SW Public Affairs Individual Mobilization Augmentee, joined the Thailand-born U.S. citizen today.



U.S. Air Force graphic

Air Force prohibits use of slogans, quotes, graphics in e-mail

By Staff Sgt. Denise Johnson
21st Space Wing Public Affairs

Air Force Space Command Network Operations and Security Center released a revision on e-mail policy Dec. 1 due to an increase in policy violations.

The Notice to Airmen explains the prohibited use of slogans, quotes and graphics in electronic messages and became effective immediately.

"The use of e-mail has enabled people to get work accomplished a lot faster and more efficiently by supplementing communications formats, such as memorandums, letters and taskings," said Al Strait, 21st Space Wing director of staff. "However, as much as electronic mail has enhanced the work flow, users must still consider the professional image and conservation of Air Force network resources."

The Air Force has released a revision to Air Force Instruction 33-119, Air Force Messaging, Paragraph 3.7 and 4.3, reiterating that users sending electronic messages via Air Force systems are prohibited from adding slogans, quotes, special backgrounds, special stationeries, digital

images, unusual fonts, graphics, logos, font signatures, clip arts etc., routinely to their official or individual electronic messages.

"Religious statements are not allowed in e-mail signature blocks, said Capt. Andrew M. Dunnville, assistant staff judge advocate, Peterson Legal Office. "The Air Force Instruction's prohibition covers all slogans, including religious statements or quotes, routinely added to electronic or official messages."

The wing leadership is working to alleviate issues arising from people misusing government e-mail systems.

"Many members have personalized their e-mails to reflect their individuality by using background stationery, quotes from past and present leaders, or sharing some of their own wisdom as tag lines in the e-mails they send," said Lt. Col. Tom Hains, 21st Space Communication Squadron commander. "However, these slogans, quotes and graphics are now prohibited because they consume unnecessary computing resources and can be misinterpreted."

For information, call 554-COMM, or visit AF publications at www.e-publishing.af.mil.

COMMENTARY

Airman carries on family tradition

By Airman Mandy Weightman
21st Space Wing Public Affairs

Having a father in the Air Force has always made life interesting for my siblings and me. We didn't always understand the reasons Dad was away, sometimes missing birthdays, sometimes holidays – but now we understand it's because he was with his other family. His Air Force family.

Growing up, we have all come to realize it wasn't just *his* other family; it was *our* other family.

This holiday season was the first I have spent away from my relatives, but I wasn't without family. That's the beauty of being an airman. No matter where I am in this world, members of my Air Force family are right there with me. My dad tried to explain this to me when I first decided to join the Air Force. But, like most children, I had to experience it for myself before I really understood what he meant.

As fathers are meant to do, he taught me many things in my 21 years. But during 2004, my first, and his last year in the Air Force, I've learned more from him than I would have imagined. After all, the day I graduated basic training, his rank became more than just eight chevrons on his sleeve. He wasn't just my dad anymore – now he was a chief.

Learning the ways of the Air Force life from an airman's perspective, has given me the opportunity to look up to him as not only my father, but as a chief master sergeant – a very unique and pride-filled experience for me. And

it's an experience I get to share with multiple members of my Air Force family, which makes it all the more poignant.

During his retirement ceremony Dec. 10 at Bolling Air Force Base, Washington, D.C., he kept the focus on his family and mentioned how his daughter is "carrying on the tradition." He looked at me with so much pride while saying it.

In that brief moment, the realization hit me – I will now miss birthdays, sometimes holidays and I know I will have to try to explain this other family to my own. I just hope I carry on this family tradition with as much grace and honor as my father has done for the past 26 years.



Photo by Airman Mandy Weightman
ABOVE: Chief Master Sgt. Jeffrey Strout presents his wife, Doris Strout, with the Spouse's Medal in his retirement ceremony Dec. 9 at Bolling Air Force Base, Washington, D.C. The medal is in recognition of her devotion, love of country and support through the years.
LEFT: Airman Mandy Weightman, 21st Space Wing Public Affairs, calls a base agency to verify information for the Space Observer Jan. 11 as she carries on the family tradition of being an Airman.

Photo by Tech. Sgt. Matt Gilreath



News Briefs

GOVERNMENT E-MAIL FOR OFFICIAL USE ONLY

Air Force employees may use government-provided e-mail for official use only. Use of government e-mail is consent to monitoring. E-mail should be used in support of the Air Force mission, including morale uses during deployments. Users should be professional and careful in their correspondence and always consider operational security.

Users should not put classified material in unclassified e-mail, distribute copyrighted materials without owner consent, use e-mail for commercial or financial gain, degrade network performance by overloading the network with chain letters, jokes and broadcast messages, use someone else's identity or use unprofessional language.

CLINICS ANNOUNCE CLOSURES

The 21st Medical Group will close the fourth Thursday of every month for training. The Peterson Clinic will be closed from 7:30 a.m. to 12:30 p.m. The Schriever Troop Clinic will be closed from 7:30 a.m. to 1 p.m. Training days are as follows: Jan. 27, Feb. 24, March 24, April 28, May 26, June 23, July 28, Aug. 28, Sept. 22 and Oct. 27.

BONE MARROW DRIVE OFFERS CHANCE TO SAVE LIVES

The North American Aerospace Defense Command-U.S. Northern Command Inspector General Office will sponsor a Department of Defense Marrow Donor Program registration drive from 9 a.m. to 3 p.m. today in Building 2, Room 1085 (conference room 104). Those interested in joining the national registry of potential life-saving bone marrow donors can fill out a consent form and provide a one-tube blood sample from the arm. Most blood donation restrictions do not apply. People eligible to register

include active-duty members and their dependents, DoD civilians and members of the Air National Guard and Reserves between the ages of 18 and 60. All people must be in good health to register.

For information, call Tim Kasper at 554-4334 or Master Sgt. Kristin Clark at 556-9158. Information can also be found about the DoD Marrow Donor Program by calling 1-800-MARROW-3 or visiting www.dodmarrow.org.

ALABAMA AIR NATIONAL GUARD OFFERS PART-TIME JOBS

The Alabama Air National Guard is seeking people to fill part-time vacancies in various career fields. For more information, call Master Sgt. Vonsetta Roberts at (334) 394-7191, DSN 358-9191, (800) 368-4481 or e-mail vonsetta.roberts@almont.ang.af.mil.

ENLISTED CORPS ELIGIBLE FOR SCHOLARSHIP OPPORTUNITY

The Armed Forces Communications and Electronics Association is accepting applications from enlisted people for assistance with college costs. Enlisted members do not have to be a member of AFCEA to apply. Applicants must be enlisted military members in the Rocky Mountain Chapter area, which includes Buckley, Schriever and Peterson Air Force bases, Fort Carson and the U.S. Air Force Academy. They must also have education expenses greater than the total of tuition assistance, G.I. Bill benefits and all other grants or scholarships received for classes taken. There are also degree specifications and other requirements. For information, call Senior Master Sgt. Mark Everson at 554-8570.

NEW YORK AIR NATIONAL GUARD ANNOUNCES VACANCIES

The New York Air National Guard is looking for people to fill traditional guard vacancies. For infor-

mation on career fields, call Master Sgt. James Reeves at 1-800-524-5070 or e-mail James.Reeves@nyscot.ang.af.mil.

HONOR GUARD SEEKS APPLICANTS

The High Frontier Honor Guard team is looking for new members. Applicants must be in the ranks of airman through technical sergeant. To apply, members can call 556-8029.

AIR FORCE AID SOCIETY OFFERS EDUCATION GRANTS

The Air Force Aid Society's General H. Arnold Education Grant program awards \$1,500 in grants to sons and daughters of active duty, Title 10 Guard/Reservists on extended active duty, Title 32 AGR performing full-time active duty, retired reservists with 20 or more years of qualifying service and deceased Air Force members. Active-duty spouses residing stateside, spouses of Title 10 AGR/Reservists on extended active duty and surviving spouses of deceased members are also eligible candidates.

For information or an application, call the Family Support Center at 556-6141 or visit the Air Force Aid Society's web site at www.afas.org.

FIRST TERM AIRMEN CENTER SEEKS NCOIC

The First Term Airmen Center is accepting applications through Jan. 21 for the position of FTAC NCO In Charge. Interested staff and junior technical sergeants should submit a cover letter, personnel record review, last five Enlisted Performance Reports and commander recommendation including potential for release from career field for at least one but not more than two years to Maj. Phlecia Bursey, 21st Mission Support Squadron commander. For information, call Master Sgt. Kristin Clark at 556-9158.

See Briefs, Page 10

Personnel Corner

MILITARY PERSONNEL FLIGHT OFFERS UNIFORM TIPS

Flight dress uniform

Air Force Space Command aircrews and space operators wear the flight dress uniform, or flight suit. The flight dress uniform may be worn off base under the same restrictions as the battle dress uniform. Refer to AFI 36-2903, Table 2.6 for basic instruction on wear of the BDU. The flight dress uniform may be worn in all base offices and base establishments as long as it is

neat, clean and properly adorned. The flight dress uniform is not for wear by pregnant Air Force members.

Hair standards

Hair for men and women will present a clean, well-groomed and neat appearance. If the hair is dyed, it must look natural. Hairstyles will not contain an excessive amount of grooming aids, touch the eyebrows when groomed or protrude below the front band of properly worn headgear. The exception is: hair may be visible in front of women's flight cap.


Cold-weather outer garments

The cardigan blue sweater may be worn with the blue service uniform. Members can wear the collar of the shirt/blouse inside or outside the sweater. The sweater will not be

exposed when wearing another outer garment. The blue sweater may be worn with or without tie or tab either indoors or outdoors. It may be buttoned or unbuttoned when worn indoors and must be buttoned when worn outdoors. The sweater must be completely buttoned or completely unbuttoned. The sweater may be worn with maternity garments.

FAMILY SUPPORT CENTER OFFERS VIRTUAL ASSISTANT TRAINING

The Peterson Family Support Center will offer virtual assistant training, Jan. 24 through 26 at the Mission Support Building. Virtual assistants are self-employed professionals who provide off-site administrative support

services from home to their clients. These services can include providing administrative support, competitive research, web site design, accounting, marketing support and graphic design. The virtual assistant training consists of three workshops. Participation is limited to 25 students who will be selected based on information provided on their training application. Students must have a minimum of two years administrative support experience, internet access, a good working knowledge of how to use basic applications, a computer with Windows 95 or newer operating system and a strong desire for employment or career change. Active-duty spouses who would like to participate in this free training can contact Dyanne Brown or Susan Golden at 556-6141. 

Log Entry VI: “Winds ‘n Wings”

Editor's note: This is the seventh in a series of articles written by retired Lt. Col. P.C. "Chevy" Chevallard, former commander/conductor of The U.S. Air Force Academy Band here. The colonel is a student pilot in pursuit of his private pilot's license through the Peterson Air Force Base Aero Club.

By P.C. "Chevy" Chevallard

Space Observer stringer writer

You don't have to be around the Front Range long to learn about its unique collection of winds. One minute, our beloved Rockies might produce world-famous, window-rattling, flag-stiffening, teeth-drying Chinooks. Soon after, they might be bathed in gentle, warm, "wind comes right behind the rain" up-slopes. Summer brings us angry, green clouds and "Tornado Alley," which starts somewhere around Powers Boulevard and ends somewhere around Pittsburgh. Then there are our resident sandstorms — those amazing, little "flying Rockies," guaranteed to produce flabbergasted "Honey, the sand blasted my new car's windshield" moments. Yep, you don't have to live long in Colorado to learn to love and loathe its winds.

Oddly, I knew something about weird winds even before I moved here. For decades, I earned a living playing wind instruments: trumpet, trombone, even dabbling in tuba; conducting bands, also called "wind ensembles" and serving as an Air Force spokesman, also called "windbags." But I had no idea what good or

ill the wind really could do to me until I became a student pilot. As I continue my studies at Peterson's Aero Club, the second-oldest flight training center in the Air Force, I'm learning the many ways winds and wings go together.

In my first flying lesson, I learned the air through which an aircraft moves may be moving too, and in seemingly countless ways. Winds of one kind or another can have a dramatic, even dangerous, effect on flying. Headwinds, tailwinds, crosswinds, wind shears, surface winds, winds aloft, mountain-effect winds, onshore winds, offshore winds, frontal winds, jet-stream winds, updrafts and downdrafts are but a few wind types pilots regularly encounter. In order to fly safely, a pilot must consider the speed, direction, and characteristics of the winds in which he expects to fly, and in the context of the power, direction, and characteristics of the aircraft in which he'll be flying. It's a fact: understanding the wind is perhaps the most critical bit of weather information a pilot must master in order to safely plan and execute flying operations.

Recently, I learned a valuable lesson about winds as I prepared to land.

"Cessna 74 November, you are cleared to land on runway one-seven right," said the tower — 17R, by the way, is the runway closest to Airport Road as you approach the West Gate. "Advise you have winds at two-zero-zero and twelve knots."

My instructor grinned. "Greeeat, Chevy, a healthy crosswind on landing. OK, show me a nice

crab and let's add a forward slip," he said.

"Crab? Forward slip? Hey, watch it, buddy," I thought. "No crabbing or slips here and don't be so forward. And by the way, I'm strictly a boxer kind of guy."

I'm just joshing. I knew what he was talking about. A crosswind is a wind that blows across, rather than straight down a runway. To compensate for it, I needed to adjust my landing procedures.

"That's it, Chevy," he said, "put that left pedal all the way to the floor and apply opposite bank. Good. Now, when we get close to the runway, kick that nose back to center, put your right wing low into the wind and land this thing." Surprisingly, it wasn't really that hard to do — but it sure felt weird.

Imagine you're driving down a busy street and you hit a patch of black ice. Suddenly, you find yourself sliding toward shrieking pedestrians as the front of your car points to the left and you steer by looking through the passenger's side window. Now imagine you're simultaneously sailing the "Stars and Stripes" in the America's Cup and suddenly your ship tilts extremely hard to the right. Add Mother Earth rushing up to greet you and you'll get a pretty good idea of what my crosswind landing was like.

I could tell you a lot more about winds 'n wings, but why don't you join Peterson's Aero Club and find out for yourself?

Besides, my editor told me not to become too long-winded.



Airman's Manual Online

<https://commweb.hill.af.mil/AMT/>

The complete Airman's Manual is now available online! Browse sections for review or test your knowledge of today's Air Force with online quizzes.





<p>Team Pete's noteworthy events</p> <p>To submit information for the base calendar, email space.observer@peterson.af.mil</p>	<p>Monday, Jan. 17</p> <ul style="list-style-type: none"> ■ Martin Luther King Jr. Day ■ Martin Luther King Jr. Commemorative Worship Service from 11 am to noon at the Chapel. For information, call 554-3591. 	<p>Tuesday, Jan. 24 through Friday, Jan. 28</p> <ul style="list-style-type: none"> ■ Condor Crest Deployment Exercise 	<p>Tuesday, Jan. 25</p> <ul style="list-style-type: none"> ■ Peterson AFB Health and Wellness Center hosts Fit After Forty from 11:30 a.m. - 1 p.m. Pre-registration is required. Call 556-6544 or 556-4292 for information.
	<p>Wednesday, Jan. 26</p> <ul style="list-style-type: none"> ■ Air Force Benefits Briefing luncheon from 11 a.m. - 1 p.m. in the Enlisted Club 	<p>Thursday, Jan. 27</p> <ul style="list-style-type: none"> ■ 21st Space Wing Fit-to-Fight 	<p>Friday, Jan. 28</p> <ul style="list-style-type: none"> ■ Chief Master Sergeant Induction Ceremony at 6 p.m. at the Sheraton Hotel in downtown Colorado Springs.

Peterson youth step lively

Autumn Johnson and partner Jessica Valenzuela show their flexibility during their tap dance to "Sleigh Ride" at the Peterson Air Force Base Youth Center talent show Dec. 18.

The show consisted of singers, dancers, instrumentalists and a rap duo. All the pianists who participated in the talent show are students of Erin Martin, the youth center's teen coordinator.



Photo by Camilla Smith

ARAGON DINING FACILITY MENU

<p>Today</p> <p>Lunch:</p> <p>Mr. Z's Baked Chicken Pepper Steak Pasta Primavera Mashed Potatoes Steamed Rice Mixed Vegetables Fried Okra Green Beans</p> <p>Dinner:</p> <p>Orange-Spiced Chops Liver with Onions Tempura Fried Fish Rissolle Potatoes Steamed Rice Broccoli Peas and Carrots Wax Beans</p>	<p>Friday</p> <p>Lunch:</p> <p>Simmered Corn Beef Pineapple Chicken Yankee Pot Roast Crispy Potato Wedges Simmered Potatoes Fried Cabbage Carrots</p> <p>Dinner:</p> <p>Baked Fish Beef and Corn Pie Roast Turkey Potatoes Pea and Pepper Rice Corn on the Cob Stewed Tomatoes Mustard Greens</p>	<p>Saturday</p> <p>Lunch:</p> <p>Baked Fish Hungarian Goulash Barbecue Chicken Parsley Buttered Potatoes Steamed Rice Vegetable Stir Fry Cream Corn</p> <p>Dinner:</p> <p>Savory Baked Chicken Swedish Meatballs Creole Shrimp Baked Potatoes Steamed Rice Cream Corn Asparagus Steamed Squash</p>	<p>Sunday</p> <p>Lunch:</p> <p>Stir Fry Beef with Broccoli Turkey Nuggets Loin Strip Steak Mushroom and Onion Sauce Baked Potatoes Rice Pilaf Corn on the Cob Green Beans</p> <p>Dinner:</p> <p>Oven Fried Fish Cantonese Spareribs Grilled Mustard Chicken Breast Baked Macaroni and Cheese Boiled Egg Noodles Peas Sweet Potatoes</p>
	<p>Monday</p> <p>Supper:</p> <p>Southern Fried Catfish Southern Fried Chicken Baked Ham Baked Macaroni and Cheese Steamed Rice French Fried Okra Mustard Greens Black-eyed Peas</p>	<p>Tuesday</p> <p>Lunch:</p> <p>Country Captain Chicken Meat Loaf Turkey a la King Steamed Rice Mashed Potatoes Harvard Beets Okra and Tomato Gumbo</p> <p>Dinner:</p> <p>Teriyaki Chicken Veal Parmesan Salmon Cakes Filipino Rice Parsley Buttered Potatoes Fried Cabbage Succotash Mixed Vegetable</p>	<p>Wednesday</p> <p>Lunch:</p> <p>Lasagna Chicken Parmesan Hot Italian Sausage Green Peppers and Onions Jefferson Noodles Potatoes Au Gratin Stewed Tomatoes Broccoli</p> <p>Dinner:</p> <p>Barbecue Ham and Steak Turkey and Noodles Beef Ball Stroganoff Boiled Egg Noodles Mashed Potatoes Calico Corn Spinach Lima Beans</p>

Hours of Operation: Weekdays/Weekends: Breakfast 5:30 – 8 a.m.; Lunch 11 a.m. – 1 p.m.; Dinner 4 – 6 p.m.; Holidays/Down days: Supper 11 a.m. – 5:30 p.m.; All carry out times 7 – 9 p.m.

Spotlight on Justice

Base legal officials announce November Article 15 actions.

An airman assigned to the 21st Security Forces Squadron received an Article 15 for a violation of Article 112a, Uniformed Code of Military Justice, wrongful use of marijuana. The member received a reduction to E-1, suspended forfeitures of \$596 pay per month for two months, suspended 45-days restriction, suspended 45-days extra duty and a reprimand.

A staff sergeant assigned to Headquarters Air Force Space Command Commanders Support Staff received an Article 15 for a violation of Article 111, UCMJ, driving while intoxicated. The member received a suspended reduction to E-4, forfeiture of \$200 pay per month for two months, 30-days extra duty and a reprimand.

(Courtesy of Peterson Legal Office)



Legal office hosts sexual assault awareness briefing

"Drugs and date rape" will be the topic of discussion at a symposium Friday. Cil Schutz, Detective, Colorado Springs, Colo., will be the guest speaker for three sessions beginning from 8 to 9:15 a.m., 9:30 to 10:45 a.m., 11 to 12:15 a.m. Friday at the Peterson Auditorium. Focus groups will be: commanders and first sergeants; dormitory residents; company grade officers; first-term Airmen; and parents of teenagers.



Illegal parking could prove costly

By Walt Johnson

Space Observer Stringer

Beginning Saturday, people who illegally park their vehicles in restricted parking areas on base will find more than just a minor nuisance involved.

Because of the increased number of illegal parking situations here, especially in the areas around buildings 1, 2, and 3 and the fitness center, serious traffic and maintenance issues are making it necessary to implement a new policy which will find people's vehicles being towed at the owner's expense for parking violations.

Base officials point out the revised policy is being implemented in the interest of safety and mission readiness. When vehicles are parked in illegal areas, it has an adverse effect on safety-related issues such as restricting the vision of oncoming traffic, being a hindrance to snow removal, parking lot maintenance and delivery services.

Brig Gen. Richard E. Webber, 21st Space Wing commander, has authorized increased measures that are designed to directly respond to offenders of the parking codes here. Under the authorization, illegally parked vehicles will be towed to an impound lot in Colorado Springs at the owner's expense, which will include the cost of the tow and storage of the vehicle.

"Recent offenders have paid in the area of \$150 to retrieve their vehicles," said Maj. Paul Cairney, 21st Security Forces Squadron commander. Additionally, if there is any damage to the vehicle while in storage or while it is being towed, the Air Force and Peterson are released from liability for any damages or loss suffered by the vehicle.

Base officials say the best thing to do to avoid having a vehicle towed, and the related expenses involved, is to always park in a designated area.

"To save time, money and headaches – and keep the base safe – heed the installation parking rules," said Staff Sgt. Janet Doyle, 21st Space Wing Safety Office ground safety technician.



Blotter

The following real-life events from around Peterson are to inform you of crimes, accidents and events occurring on base. These entries are recorded in the Peterson Police Blotter and reprinted for situational awareness.

***Editor's note: Although the Space Observer staff may make light of blotter entries, the intent is to call attention to our security and law enforcement concerns. However, our vigilant security forces team treat each incident seriously and according to the rules and regulations.*

SOMEONE WAS A LITTLE HUNGRY – NOV. 15

A person came to the Law Enforcement Desk stating someone had stolen checks from her mailbox in base housing and had gone on a shopping spree. The hungry scoundrel had forged a check for \$50 at a local sandwich shop. Security Forces investigations was notified and took control of the case, hoping to find some sort of trail, other than breadcrumbs.

JUST TRYING TO SPRUCE UP A LITTLE – NOV. 15

A BX staff member telephoned the Law Enforcement Desk stating they had detained an individual for shoplifting. The fashion-conscious felon tried to make off with some teeth whiteners, fashion jewelry and perfume. She must have been planning a night on the town. A Colorado Springs Police Department patrol responded and issued a summons for shoplifting. There is always someone watching.

OOPS! DIDN'T SEE YOU THERE – NOV. 18

An off-duty Security Forces member telephoned the Law Enforcement Desk stating there was a possible major vehicle accident near the Child Development Center. Patrols responded. The damage to the vehicles was considered to be more than \$10,000. Fire Department responders checked up on a child who was in the damaged vehicle. The child was deemed healthy by the Fire Department team. Apparently, the driver of the vehicle with the child had come to a stop on Paine Street to turn into the CDC parking lot, and the driver in the truck behind the vehicle hadn't noticed. The truck failed to stop and came to a halt after hitting the car. To the daydreamers out there, save your daydreaming for safer conditions – when you're NOT driving.

GHOST PARTY UP IN HERE – NOV. 19

A dormitory resident called the Law Enforcement Desk to report excessively loud music coming from a dormitory room. Patrols responded to the room but mysteriously couldn't get an answer at the door. The patrolman telephoned the dormitory manager who willingly unlocked the room and turned down the music. All was once again peaceful and quiet, thanks to Security Forces and the ever-so-helpful dormitory manager.

UNPLEASANT SURPRISE – NOV. 19

A base housing resident reported his vehicle had been vandalized in base housing while he was on emergency leave. He and his spouse had been away for an extensive period of time when he returned to find his vehicle had been accosted and attacked. His hubcaps were damaged and three of his tires had been slashed. The Security Forces investigations team hataken over the case. Anyone with information, can call the Security Forces Law enforcement Desk.

BUMPER CARS ON THE GO – NOV. 19

A less-than-pleased individual telephoned the

Law Enforcement Desk stating her van had suffered damage while parked at the Peterson Enlisted Club. She insisted her vehicle had been free of any damage before entering the Enlisted Club. However when she approached her vehicle upon her departure from the club, she noticed a 3- to 4-inch-long gash on the passenger-side rear door. The shocker was there was no other vehicle around. Maybe the ghost from the dormitory went on a joy ride? Just to educate any hit-and-run drivers out there, hitting a car and leaving the scene is not worth it. Stick around.

LOOKING TO GET DRESSED UP – NOV. 23

An Army Air Force Exchange Service Store Detective telephoned the Law Enforcement Desk to report they were detaining an individual for shoplifting. Patrols responded to the Peterson Base Exchange. The purloining perp reportedly stole some clothing. She must have thought there was a special five-finger discount on the apparel due to the Christmas season. Perhaps she didn't realize handcuffs and a ride downtown are part of all five-finger-discount packages.

A SIMPLE MISUNDERSTANDING – NOV. 24

Panicked parents notified a Security Forces patrolman that their child had been taken off the installation without their consent. Security Forces contacted the misinformed driver who promptly returned with the child. The unintentional abductor explained they were under the impression the child had parental consent. The child was returned to the frantically upset parents. Another crisis averted.

YOU'RE NOT TRICKIN' ME – NOV. 25

When a base resident attempted to gain entry to the installation on an expired license, entry controllers ran a check on the license and discovered an expired license wasn't the only problem the driver had. The not-so-clever driver was issued a citation for driving without a license and was issued a preliminary suspension of base driving privileges. He was then escorted to his residence in base housing. Don't make the mistake of driving without a license. It's no joke.

SUPERMAN, YOU AIN'T – NOV. 25

Oh, yes, yet another case of someone thinking he can go through cement walls. You'd think people might get the message since there are so many failed attempts at the same foolishness. When a driver hit the first barricade at the West Gate, the damage to the vehicle hopefully clued him into avoiding them in the future. However, the barricade was shifted ever so slightly. A 21st Civil Engineer Squadron crew rode to the rescue and placed the barricade back to its original position. Patrols responded to the scene of the accident, took photos and issued a citation to the dumbfounded driver. Drive carefully and slowly through the barricades.

WHERE'S DA PARTY AT? – NOV. 26

A dormitory resident telephoned the Law Enforcement Desk to report excessively loud music coming from another dormitory room. Security Forces responded, prepared for more ghost-busting but found the resident playing video games in his room. Security Forces briefed the member on dormitory quiet hours. Peace and quiet once again reigned on the home front.

THOUGHT THESE WERE KEPT ON THE TOP SHELF? – NOV. 27

The Peterson BX store detective doesn't seem to be getting too much time off, as the AAFES employee was detaining another individual for attempting to shoplift a Playboy lingerie magazine from the store. The CSPD was asked to respond to the shoplifting since the thrifty individual was a civilian. The individual was detained and transported back to the Security Forces Squadron before being released to CSPD. Next time, this "lifter" better think twice. Santa Claus knows if you're naughty or nice. Bet they didn't find much under their tree.

** If you have any information on a crime or any of these blotter entires, report it to security forces at 556-4000.*



Firefighters participate in unique training

Departments join forces, battle live fire

By Airman Mandy Weightman
21st Space Wing Public Affairs

Firefighters from the Peterson Fire Department, along with firefighters from Fort Carson, Cheyenne Mountain and Colorado Springs fire departments, participated in the second set of unique fire training Dec. 6 through 31 at Fort Carson.

This "one-of-a-kind" training consists of live-fire training, with scenarios different from exercises usually used by Air Force fire departments.

The four departments try to participate in some type of training together at least monthly, said Frank Montone, assistant fire chief of training for the Peterson Fire Department. He, in conjunction with another fire chief, came up with the idea in 2002 to have

the combined training.

"This training is the only one of its kind in Air Force fire protection," Assistant Chief Montone said. "Combined training enhances our relationship and response capabilities with the departments we will call on if a large event occurs here at Peterson."

The firefighters practiced and were trained on a variety of techniques during this exercise, including real-world structural techniques, roof ventilation, ladder operations and familiarity with other fire departments' operational procedures.

"The experience was very eye-opening," said Lt. Col. Terry Watkins, 21st Civil Engineer Squadron commander. "I've observed operator-controlled propane and butane fires in the past, and the difference was immense. The amount of

smoke and how the fire evolves into a deadly environment was an incredible experience that can't be duplicated by propane or butane fires."

Colonel Watkins described the period of time it took the fire to become "toxic and dangerously hot" as extremely short. The firefighters operated with "incredible courage and perseverance" while involved in this unique training, he added.

Assistant Chief Montone stressed how important the differences are between the different types of fires.

"The most important aspect of this training for our firefighters is that they learn about class A fires, which consist of wood, cloth and paper, behaviors and mitigation tactics," Assistant Chief Montone said. "Plus it gives them experience with live burns and combined training evolutions."

BELOW: Technical Sgt. Chris Smith, Individual Mobilization Augmentee for the Peterson Fire Department, with the help from Colorado Springs firefighters, uses a playpipe on the fire hose to combat the fire inside.



Airman 1st Class Vanessa Espinoza, 21st CES firefighter, receives training on aerial operations by a Colorado Springs firefighter on a Colorado Springs ladder truck. The firefighters involved in this exercise used a defensive attack to combat the fire in the building.



Airman 1st Class Vanessa Espinoza, 21st Civil Engineer Squadron firefighter, and Tech. Sgt. Chris Smith, Individual Mobilization Augmentee for the Peterson Fire Department, watch the fire move through the building while they wait for it to spread enough for the exercise to begin. Sergeant Smith has been a firefighter for 15 years and Airman Espinoza has been one for a year.

BELOW: Senior Airman Eric Schraeger, Individual Mobilization Augmentee for the Peterson Fire Department, works the pump panel on the Colorado Springs Fire Department Fire Truck.



Photos by Airman Mandy Weightman



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UNIVERSITY OFFERS PROGRAM ON HOMELAND SECURITY

The University of Colorado at Colorado Springs, through the Network Information and Space Security Center, has developed a set of graduate courses leading to a certificate in homeland security. The courses were developed in consultation with officials a U.S. Northern Command. After completion of the four courses, students receive a graduate certificate from UCCS. For information, e-mail Warren Lotzbire at wlotzbir@uccs.edu.

PIKES PEAK COMMUNITY COLLEGE OFFERS ACCELERATED COURSES

The Pikes Peak Community College Military Programs weekend classes have taken on a new format. The classes are now required to meet for the full 45 contact hours in the classroom. Students will meet Fridays and Saturdays for four consecutive weekends, with the exception of weekends containing holidays. For information, call Ron Shields at the base education center at 574-1169.

EDUCATION CENTER OFFERS COMMISSIONING BRIEFINGS

Enlisted members interested in learning about commissioning opportunities may attend one of the monthly commissioning briefings offered at the education center. Interested members can find out more about commissioning opportunities such as Officer Training School and Reserve Officer Training

Corps; Airmen Education and Commissioning Program; Airmen Scholarship and Commissioning Program; and the Professional Officers Course Early Release Program.

Information on eligibility requirements, opportunities and application procedures will be discussed. Call 556-4064 to register.

LOCAL SCOUTS MEET ON PETERSON

Girl Scout Troop 422 meets at 6 p.m. Mondays at the Peterson Chapel. This troop is for girls ages 11 to 17. Units are developing for younger girls that will also meet on Mondays. For information, call Laura Pitcher at 392-1102. Cub Scout Pack 99 meets at 6:30 p.m. Thursdays at the Peterson Chapel. Cub Scout Packs are for boys ages 7 through 10. For information, call cubmaster Wendy Jendrick at 637-0397. Boy Scout Troop 199 meets at 7 p.m. Wednesdays at the Enlisted Club. Boy Scout Troops are open to boys ages 11 to 17. For information, call scoutmaster Alex Welton at 574-8970.

WOMEN'S PROGRAM HOSTS STRESS MANAGEMENT MEETING

The Federal Women's Program of Peterson AFB will hold a stress management meeting from 2 to 4 p.m. today in the civilian personnel flight conference room, Building 350. Attendees are not required to take leave. For information, call Debra Agnew at 554-5265.

SPECIAL DUTY POSITIONS AVAILABLE

Volunteers from the 21st Space Wing are needed to fill two special duty positions in the 21st Civil

Engineer Squadron Housing Flight. Staff sergeants may apply for the two dormitory manager positions. Applicants must emulate strong military bearing, possess excellent leadership skills, have experience in management skills and be dynamic team builders. Selected individuals will be assigned to the 21st Civil Engineer Squadron for a minimum of two years. Special duty applicants must submit a package containing a letter expressing their interest in the position, endorsement from their squadron commander and/or first sergeant and copies of the last three Enlisted Performances Reports. For information, call Master Sgt. Thomas O'Neill at 556-1409.

COMMISSARY HOURS CHANGE FOR HOLIDAY

The Commissary's hours will change in honor of Martin Luther King, Jr. Day, Monday. The hours will be from 7 to 9 a.m. for early bird and 9 a.m. to 8 p.m. for regular hours.

LEGAL OFFICE ANNOUNCES SYMPOSIUM ON SEXUAL ASSAULT AWARENESS

Drugs and date rape will be the topic of discussion at a symposium Friday. Cil Schutz, Colorado Springs Detective, will be the guest speaker for three sessions. The sessions will be from 8 to 9:15 a.m., 9:30 to 10:45 a.m., and 11 to 12:15 a.m. Friday at the Peterson Auditorium. Focus groups are: commanders and first sergeants; dormitory residents; company grade officers; first-term Airmen; and parents of teenagers.

Team Pete around the globe

The 21st Space Wing operates 15 weapon systems, comprises 44 units in 26 locations in four countries, and spans nine time zones throughout the world. Team Pete has 247 deployed members supporting various operations across the globe. The 21st Space Wing makes up 179 of those members.

Worldwide Air Force Talent Contest

The first step to
Tops In Blue 2005

- Vocalists
- Dancers
- Instrumentalists
- Comedians
- Magicians
- Dramatists
- Technicians

Auditions are scheduled through today. For an audition application, contact the Peterson Community Activities Center at 556-1760. For information, visit www.topsinblue.com or call (210) 652-6566 DSN 487-6566.

SPORTS

Intramural basketball standings

Competitive league basketball standings			Recreation league basketballstandings		
Games played through Jan. 5			Games played thru Jan. 7		
Teams	W	L	Teams	W	L
21 SFS	3	0	1. AFOTEC DET4	2	0
1 SPCS	3	0	2. TEAM COLORADO	1	1
21 MDG/ADL	3	0	3. JPPSO-COS	1	1
21 OSS	2	1	4. 21 SVS	0	2
721 MSG	2	1	Monday -Wednesday Over-30 league basketball standings		
21 CONS	2	1	Games played thru Jan. 5		
21 MDG	2	1	Teams	W	L
21 SCS	1	1	HQ AFSPC/CE	3	0
ARSTRAT	1	2			
21 CE/FD	1	2			
21 CES	0	2			
721 SFS	0	3			

Sport Shorts

The Peterson Sports and Fitness Center Special Program's Office will host the following events at the center unless otherwise listed. For information call 556-1515.

SINGLES' TABLE-TENNIS TOURNAMENT

Tuesday through Jan. 20 – The time for the event will be determined at a later date. There is no entry fee. Sign up by Sunday.

VOLLEYBALL TOURNAMENT

Feb. 1 through 3 – The time for the event will be determined at a later date. There is no entry fee. Sign up by Jan. 30.

BADMINTON TOURNAMENT

Feb. 11 through 12 – The event begins 5 p.m. Feb. 11 and continues at 9 a.m. Feb. 12. There is no entry fee. Sign up by Feb. 9.

Association president offers response to complainants

By Senior Master Sgt. Charles Turner

Air Force Sergeants Association Chapter 1181 President

Do you know anyone who constantly complains about their pay, how they were cheated out of the Montgomery GI Bill, how their healthcare benefits are eroding?

He or she might constantly make excuses like, "I didn't know I had a deadline to sign up for that benefit," or "I never heard of that change to my benefits. Nobody asked me for my input."

Did you know an organization exists that regularly lobbies the United States Congress on issues that affect active-duty and retired enlisted members of the Air Force, Air National Guard and Air Force Reserve?

Did you know by being a member of such an organization, the afore-mentioned whiner could influence decisions Congress makes on the benefits of enlisted members?

The Air Force Sergeants Association is just such an organization. It's the Air Force enlisted organization dedicated to the people behind the stripes; the men and women behind the high-tech machinery; the military protocol; the daring maneuvers – the people who have invested their lives in the cause of freedom in America. Each year Congress makes hundreds of decisions on issues directly affecting the lives of enlisted people and their families – important issues such as medical care, job security, salaries, commissary privileges and other benefits. Before the spring of 1961, the voice of the enlisted Airmen was seldom heard. That's when a handful of Airman came together to form AFSA.

The association is a federally chartered, non-profit international organization dedicated to speaking out on behalf of enlisted Air Force members. With nearly 135,000 members, the voice of the enlisted rings strong on Capitol Hill. The association is head-

quartered in the Airmen Memorial Building just minutes from the U.S. Capitol Building in Washington, D.C., and only one mile from Andrews Air Force Base, Md.

The membership is comprised of Air Force enlistees, both active and retired, of all grades, including Air National Guard and Reserve. It also provides family members, former enlisted members and other interested parties the opportunity to join and support the association as members of AFSA or the AFSA Auxiliary.

Since its founding, AFSA has earned the recognition and respect of Washington's leaders for its sustained role as the "voice of the enlisted." The AFSA mission, at the headquarters level, is to advocate improved quality-of-life and economic fairness that will support the well being of Air Force enlisted personnel and their families.

The association's lobbyists continue to inform members of Congress of the sacrifices those who wear and have worn the uniform make on a daily basis for the protection of the American way of life. From fighting for full pay raises for those still wearing the uniform, to full on-time cost of living allowances for retirees, AFSA continues to lead the way to preserve and improve the quality of life for its members. Several other areas where AFSA has been successful the past several years include:

- Increased allowances and reduction of out-of-pocket expenses during permanent change of station moves, particularly for enlisted members.

- Increased pay, allowances and benefits for low-ranking Airmen and targeted pay increases for enlisted members.

- Approval of Career Enlisted Flier Incentive Pay and various health care benefit expansion demonstration projects and achievement of an expanded

pharmacy benefit and "TRICARE for Life" benefit for Medicare-eligible retirees, family members and their survivors.

- Increased Reserve component health care pay and compensation and quality-of-life benefits for reservists and their families.

- Continued protection of military stores.

- Elimination of source taxes and the Social Security Earnings Test.

- Retirement protection.

- Appropriation/authorization of "impact aid" funding for local school districts educating the children of military families.

- Implementation of the National Mail Order Pharmacy program.

- TRICARE enhancements, including portability between regions, reduction in the catastrophic cap for both TRICARE Prime and Standard, elimination of active-duty family members' co-payments for Prime and better efficiencies in administration, reimbursement and procedure within the TRICARE system.

As proven by its actions and innovative services for enlisted families, AFSA is strongly committed to serving the best interests of its members, the Air Force, ANG, AFRC and the United States of America.

There are no more excuses for inaction. Get up and join AFSA – people can do something about benefits that affect them now and upon retirement. The more members AFSA has, the louder the voice is on Capitol Hill.

The local AFSA chapter, AFSA Chapter 1181, the "Pikes Peak Chapter," holds meetings at 4 p.m. the first Thursday of each month in the Peterson Enlisted Club reception room. All AFSA members and non-members are invited to attend the meetings and to get involved in AFSA and base activities. For information, visit www.afsa1181.org.





ABOVE: Brigadier General Richard E. Webber, 21st Space Wing commander, and Lt. Col. Ed Rivera, 10th Space Warning Squadron commander, look from the top of the Perimeter Acquisition Radar Building at Cavalier Air Force Station, N.D., Dec. 14. General Webber's visit to Cavalier is part of a series of trips to various 21st SW geographically separated units.

From lookout to workout at Cavalier



LEFT: Canadian Capt. Rod Zeaton, 10th Space Warning Squadron crew commander, Chief Master Sgt. James Moody, 21st Space Wing command chief, and 1st Lt. Brandon Alford, 10th SWS crew commander, ride stationary bikes in a Fit-to-Fight event at the Cavalier Air Force Station Fitness Center Dec. 13.

BELOW: General Webber, and Capt. Keith Jansa, 21st SW executive officer, take part in a Fit-to-Fight workout at the Cavalier Air Force Station Fitness Center Dec. 13. The 10th SWS boasts a 96 percent overall pass rate on their Physical Fitness Tests.

All about Cavalier

Mission

■ The mission is to provide warning and attack characterization of a SLBM or ICBM on the U.S. or Canada and to support the Space Surveillance network by providing space surveillance data, tracking, reporting, and space object identification.

History

■ The radar at Cavalier Air Force Station is a Perimeter Acquisition Radar Characterization System.

■ The radar was originally designed as the acquisition radar portion of the United States' only operational Anti-Ballistic Missile system. The system is known as SAFEGUARD.

■ SAFEGUARD was designed to be nuclear hardened against the weapons of the day and was designed to intercept and shoot down incoming nuclear missiles coming over the North Pole.

■ SAFEGUARD ABM was operational from October 1975, through February 1976, when it was deactivated due to the ABM Treaty and the Salt II Treaty.

■ The site reopened in 1977 under the Air Force as a North American Aerospace Defense Command early warning sensor.

■ The radar site became part of the newly-formed Air Force Space Command in May of 1983.

■ It is one of 22 worldwide missile warning and space surveillance units.

More information of the SAFEGUARD complex can be found at: <http://srmsc.org>.

As the most powerful radar in the world, 30 percent of all space track observations are provided by PARCS. It is one of only two space track sensors that

can track debris about the size of a basketball at 2000 miles into space. Attack characterization is one of the unique PARCS capabilities. The system will determine impact location as: 1) Military target 2) Political Leadership target 3) Industrial/Economic target or 4) Populated target. It is the only system that selects targets for characterization, gives the number and type of missiles in a mass raid, whether Intercontinental Ballistic Missile or Submarine Launched Ballistic Missile. The system calculates earliest and next impact times for the continental United States and Washington, D.C.

Missile Warning Operations Center

- Two-person operations crew
- Officer Crew Commander
- Enlisted Crew Chief

PAR Building Dimensions

- Height: 121 feet equal to a 12-story building
- Width: 203 feet
- Length: 212 feet at base, 148 feet at top
- Thickness: face is 7 feet, remaining walls are 8.5 feet at the base and 4.5 feet at the top
- Walls are steel-reinforced concrete

Radar Specifications

- Output 26 Million Watts
- Has 6,144 active radar elements



- Can track a basketball-sized object at 2,000 miles into space
- The coverage extends from off the coast of Alaska to the coast of Greenland

Power Plant

- Five Cooper-Bessemer Engines
- 16 cylinders
- Weight: 100 tons each
- 4,095 Horsepower, 360 revolutions per minute
- Bore and Stroke: 15.5 inches by 22 inches
- Oil crankcase capacity: 1100 gallons
- Length: 36 feet
- Width: 15 feet
- Diameter: 11 feet 6 inches
- Weight: 34,580 pounds
- Power: 3000 Kilowatts at 360 RPMs, 3 phase, 60 cycle, 13,800 volts
- Weight: 75,815 pounds

