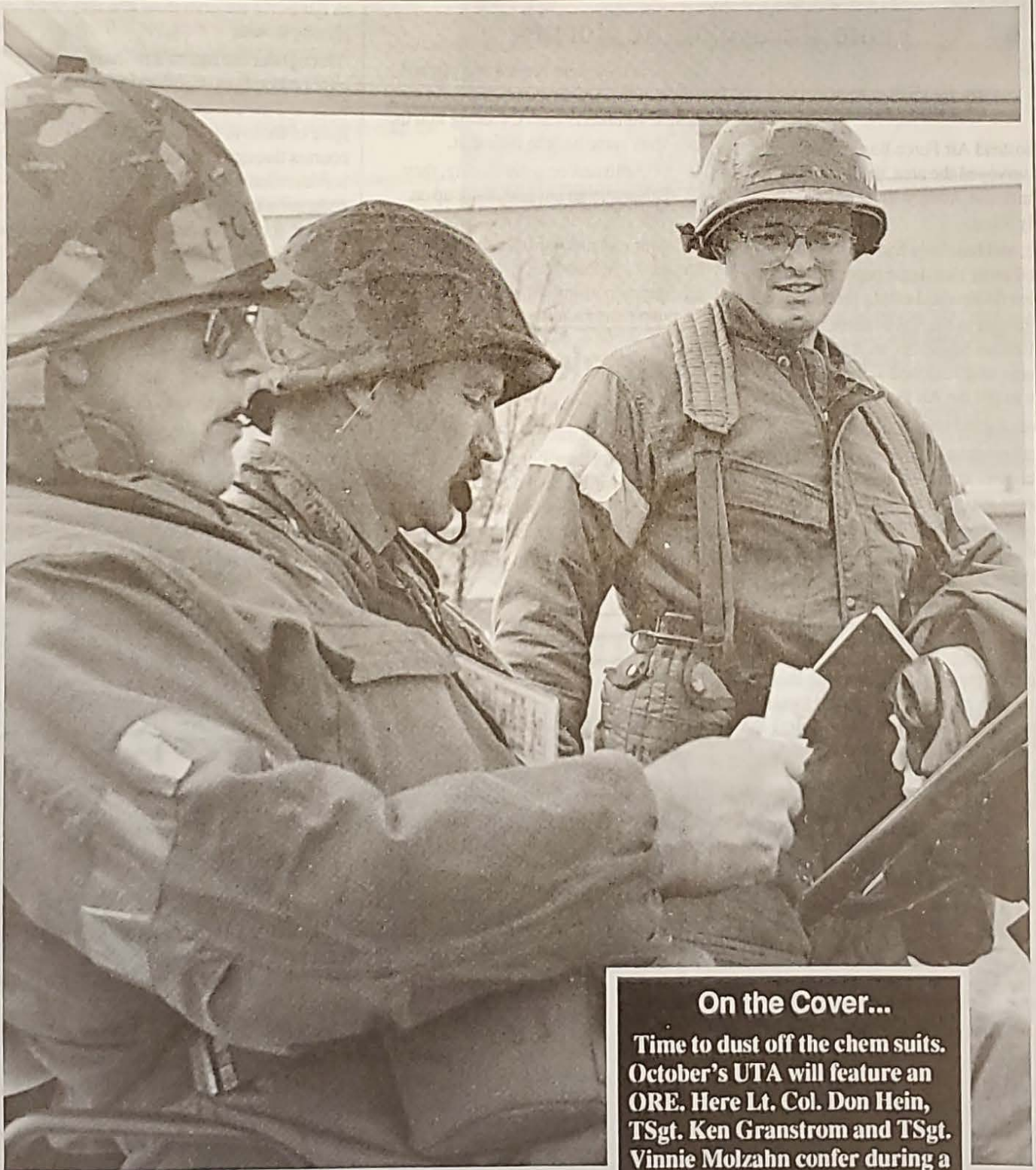


ON-FINAL

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507th Fighter Group
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Your Air Force Reserve Newspaper



On the Cover...

Time to dust off the chem suits. October's UTA will feature an ORE. Here Lt. Col. Don Hein, TSgt. Ken Granstrom and TSgt. Vinnie Molzahn confer during a previous exercise. (U.S. Air Force photo by TSgt. Stan Paregien)

Editorially Speaking

From the eye of the storm

By 1st Lt Rich Curry

Homestead Air Force Base was in ruins. As I surveyed the area, the terrible force of Hurricane Andrew stuck me like a cold windy blast.

Cars, and buildings had been tossed and ripped away like tissue paper, leaving broken dreams and empty promises.

I deployed to Florida to assist the 301st Air Rescue Squadron, an Air Force Reserve unit stationed at the base. I was there to tell the Air Force Reserve story.

It was a good one.

Local rescue officials had lost both their helicopters in the storm. The Air Force Reserve was providing all air rescue for the disaster area; evacuating seriously injured people to area hospitals.

Without the 301st RQS and support of their wing, the 939th ARW from Portland, Ore., more than 125 people would have died.

These reservists pressed on with the mission, in spite of the personal losses of homes and property. By mid morning the day after Hurricane Andrew struck, they were up and operational.

Working around the clock with local rescue officials, they ignored their own needs to save that one more life.

Their determination helped them to press on, in spite of shortages of supplies, equipment and minimal communications. It kept them going in spite of fatigue and shock of the wide spread destruction around them. They had a mission to do.

It was an impressive sight.

More reservists were now starting to report for duty on a daily basis. Initially, for them, the "thing to do" was to assist in local relief efforts. They helped the Red Cross at food lines, passed out clothes and food, set up tents. The reservists sought

repair damaged homes...and sometimes to lend a shoulder to lean on.

They were a family helping families. More teams began working to save what they could at the base. Demonstrating a personal pride of "ownership" in their unit, members began saving millions of dollars worth of helicopter engines, tools, equipment, computers, and what remained of scattered office furnishings. They were an Air Force Reserve team and they were playing to win.

Throughout our nation's military, the mission bonds us together. In spite of the trials and tribulations of the past, and in spite of those to come, that "can do" spirit courses through our veins. As servicemembers, the loyalty and dedication to our mission makes us unique. It can give us strength and empowers us to beyond our barriers of endurance.

It did at Homestead.

out where they were needed and pitched in as members of the community. As more outside volunteers started coming into the area, they came back to their unit.

With the mission on solid footing, they set up teams to go out and check up on each other, leaving notes on doors or whatever remained of fellow reservists' homes. They found out who needed emergency housing and tried to help.

They sent out teams to help clean up and

Thanks for your support

I want to take this opportunity to thank you, the men and women assigned to the 507th FG for your outstanding effort during Exercise Ellipse Bravo 92. Your support of Navy, Air Force and Special Operations activities, including air cap and close air support, helped insure the unqualified success of the most complex and demanding joint task force exercise ever held in the southern region.

My personal thanks to you and the members of the 507th Fighter Group for a job well done.

VADM Bill Owens, commander
Joint Task force Ellipse Bravo

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507th helps with B-2 test success

By 1st Lt. Rich Curry

A 507th Fighter Group F-16 became the test subject for an experiment that may determine future maintenance repairs on the B-2 bomber.

The experiment, conducted this summer by a company supporting the B-2 program at Tinker Air Force Base, involved a modified electronic distance meter.

Contracting crews using the EDM, surveyed the surface of the Fighting Falcon, first establishing a central reference point and then measuring distances and angles to map the aircraft surface.

Among the survey crew was SSGT. Rochelle Montgomery of the 507th Maintenance Squadron. Sergeant Montgomery, an aircraft mechanic, is serving as an intern with TRW Avionics and Surveillance Group, the company conducting the test. He is currently a senior at Oklahoma University, majoring in mechanical engineering.

According to Sergeant Montgomery, the tests will prove instrumental in developing new ways to pinpoint surface damage and effect repairs.

"Currently, to assess damage to an aircraft's structure, maintenance men use tape measures to measure the distance between rivets and fix in the exact coordinates on the aircraft's surface," the reservist said. That information is then recorded in the aircraft's maintenance log.

"However," Sergeant Montgomery said, "on aircraft surfaces such as the B-2 and other stealthy aircraft, there are no rivets. In addition, work on stealth surfaces calls for minimal handling, or



SSgt. Rochelle Montgomery, right, jots down measurements from a test conducted on a 507th F-16. The results of the test will help in the B-2 Stealth Bomber maintenance program. (U.S. Air Force photo)

The B-2 is designed to have a small radar cross-section and reduced visual, acoustic, infrared and electromagnetic signatures. This capability makes it virtually impossible for enemy defense to successfully detect, track and fire upon it.

The Air Force currently has four B-2 flying test-bed aircraft in its flight test program at Edwards AFB, California. The surveil lance crews stated the Reserve F-16 would provide a suitable

alternative for the local tests. After the tests were complete, the coordinates were plotted into a computer. Officials stated the computers produced an "almost perfect match up" with the F-16.

"We're very pleased with the results," said Sergeant Montgomery. "The system works great."

Gen. John M. Loh, commander of Air Combat Command, told Congress recently that the B-2 is the leading edge in the sequenced application of land, sea, air and space forces operating together in future joint campaigns.

"The B-2s will take out the toughest targets, those that could cause unacceptable losses for us," Loh said.

It will cost a total of \$44.4 billion for 20 B-2s, research and development, procurement and military construction to support the planes when they are based at Whiteman AFB, Mo., officials said.

The Air Force wants to have two squadrons of eight B-2s operational before the end of the century. The other four bombers will be used for testing, training and modification. The first operational aircraft is due for delivery at the end of 1994.



The results of an electronic measuring device test conducted at the 507th will help keep the B-2 Stealth bomber flying high.

touching the composite surface."

"Our company had to devise a way to assess and fix the damage coordinates without touching the aircraft," he said.

"By holding a reflector next to the aircraft and taking various readings, this optical distance system fixes primary coordinate points such as the nose and wingtips. From there, more detailed readings are made," he said.

Sergeant Montgomery said the optical system was modified and enhanced from an off-the-shelf system currently in use by the Air Force to align B-52 airframes. "We just carried the concept farther for use on stealthy aircraft," he said.

Rescue unit saves lives in hurricane aftermath



By Lt. Rich Curry

Kendall-Tamiami Airport, Dade County, Fla. -- When the Dade County Fire Department's two rescue helicopters were destroyed by Hurricane Andrew, the 301st Rescue Squadron came to the rescue.

The 301st immediately set up 24-hour rescue operations at Kendall-Tamiami Airport and has recorded 109 rescues since Hurricane Andrew's assault on south Florida Aug. 23.

"We would have been absolutely helpless to save anyone without the Air Force Reserve," said Chief Jim Wilson of the Dade County Fire Department's Air Rescue Division.

The 301st's home base, at Homestead Air Force Base, Florida, was destroyed by Hurricane Andrew's 160 mile-per-hour winds.

Reservists spray mosquito-infested areas

ROBINS AFB Ga. -- In response to public concern about the possible spread of infectious diseases in the aftermath of Hurricane Andrew, the Air Force Reserve assisted commercial spraying operations to help control insects.

The 910th Airlift Group, headquartered at Youngstown Air Reserve Station in northeast Ohio, deployed Sept. 4 on an aerial spray mission to the Homestead area. The 910th AG provides the only fixed-wing aerial spray capability for the Department of Defense.

This unit performed a similar mission three years ago in the wake of Hurricane Hugo, where over 855,000 acres were

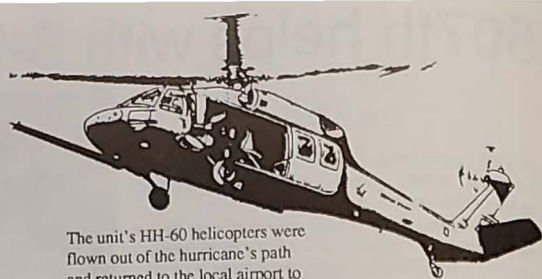
sprayed against mosquitoes. The insecticide is approved by the Environmental Protection Agency as safe for aerial application to control mosquitoes, using the rates labeled and approved by the agency.

"A mosquito infestation may occur following hurricanes as a result of the storm water, rains, and high tidal activity," said Lt. Col. Terry Biery, chief of entomology for the aerial spray branch. "Additionally, homes have been damaged or destroyed, exposing a large portion of the population that would normally be protected from flies and mosquitoes."

The unit flew specially configured C-130H Hercules aircraft at altitudes as low as 150 feet covering approximately 150,000 acres. Residents of areas sprayed were notified through their local news media before any spraying took place. The spraying operations were staged out of Avon Park, located approximately 300 miles from Homestead.

There is no danger to the public from the spraying. The low rate of chemical sprayed into the atmosphere will have no effect on the water supply.

Aerial spraying is more effective than fogging because it covers inaccessible backwater areas.



The unit's HH-60 helicopters were flown out of the hurricane's path and returned to the local airport to provide emergency evacuation rescue missions.

"As soon as the storm was over, we came back," said Col. Oral Carper, commander of the 301st. "Our mission is to save lives and that's what we're doing."

Operating out of a small room and tents, members of the 301st are assisted by Dade County Rescue personnel, and the unit's parent organization, the 939th Rescue Wing, and the 304th RQS, both from Portland IAP, Ore.

A Reserve mobile communications vehicle has provided a communications link between civilian and military rescue agencies.

Rescue missions have included: heart attack victims, automobile and hurricane clean-up accidents, heat related injuries and persons injured as a result of criminal activities. Many reservist's homes and personal property were also destroyed or damaged by Hurricane Andrew.

"Some unit members suffered significant damage to their homes and some lost everything," said Maj. Anthony Durant, 301st deputy commander for operations. "But many of the same people were reporting for duty and joined rescue operations the next day."

"My home lost part of the roof, and there's plenty of water damage to the interior walls," said MSgt. Pat O'Neal, 301st chief loadmaster. "We made repairs as best we could, and came into work. There's plenty to do here."



Deployment shortened; reservists return early

ROBINS AFB, Ga. -- Two hundred fifty reservists from the 482nd Fighter Wing faced a bittersweet homecoming when they returned home to pick up the broken pieces of their lives in the wake of Hurricane Andrew's widespread destruction to south Florida and Homestead AFB, Fla.

The Air Force Reserve terminated the reservists' deployment to Aviano AB, Italy, and canceled the follow-on deployment of some 250 additional reservists. The 482nd FW had deployed

eight of its F-16 aircraft and personnel to Italy Aug. 16 in support of the Air Force's annual Checkered Flag exercise.

Approximately half of the deployed reservists returned on an Air Force Reserve C-141 aircraft to Opa-locka airport, just north of Miami, Aug. 27. The remaining reservists returned Aug. 30. Relatives and friends met the returning reservists at the airport. (AFRESNS)

Reservists help with relief efforts

ROBINS AFB, Ga. After Hurricane Andrew tore through south Florida, leaving thousands homeless and devastated, the Air Force Reserve has mounted a massive relief effort involving more than half of its units from around the country.

Unlike previous disasters, many of the storm's victims have included the command's own...reservists whose homes were destroyed and whose

families had to be evacuated to other parts of the country. And yet, they have returned to help others...To fly rescue missions out of a tiny airport with a single phone, and to unload thousands of tons of relief supplies arriving daily at a little known Coast Guard airfield and the once busy Homestead AFB.

Reservists from our Homestead AFB units are true heroes, said Maj. Gen. Robert McIntosh, Air Force Reserve vice commander. We need to recognize them for what they are accomplishing.

Some Homestead AFB reservists returned to duty without uniforms they had been destroyed in the storm but they were ready for work.

Reserve rescue teams, from the 301st Rescue Squadron, were credited with over 100 saves in the first two weeks following the storm; while members of the 70th Aerial Port Squadron joined forces with their active-duty counterparts to unload hurricane relief cargo arriving from around the country. Meanwhile, a handful of 482nd Fighter Wing staff those not deployed to Aviano, Italy set up emergency command post operations, first at Opa-locka Coast Guard Air Station, then Homestead AFB.

(Continued on next page)

Hearing loss can leave you guessing

Submitted by the 507th Safety Office

Hearing loss can be so subtle that often we don't realize our impairment until it is too late. Repeated exposure to too much noise can result in gradual hearing loss, but how much noise is too much? Noise is measured in units called decibels or dBAs. (A normal conversation is measured at approximately 60 dBAs.) Excess noise is generally considered to be exposure to 85-90 dBAs or more over an 8-hour period. Over time, excessive noise exposure can result in permanent hearing loss.

The mechanism of hearing

The ear is composed of numerous delicate structures designed to carry sound waves to the brain. The hair cells in the inner ear are particularly important because they stimulate the auditory nerve which transmits impulses to the brain. The brain then translates these auditory impulses into sounds that we hear. When the ear's hair cells become damaged due to excess noise exposure, the auditory nerve is not sufficiently stimulated, the brain does not

receive the appropriate sound signal, and we fail to hear correctly.

Measuring noise levels

The Occupational Safety and Health Administration (OSHA) has established limits for noise exposure on the job. Your employer can determine the level of noise in your particular work area with a noise dosimeter (which measures total noise exposure over a specific period) or a sound level meter (which measures noise levels periodically).

Hearing testing

If you work in an area with excessive noise levels (over 85-90dBAs in an 8-hour period), you are required to have your hearing tested annually with a device called an audiometer. This test checks your initial hearing level and any subsequent changes.

You may also need to wear hearing protectors (plugs, muffs) with the appropriate noise reduction rating (NRR) for your type of work. Your employer is required to provide you with these protectors, but you are responsible for wearing them to protect your hearing.

Reservists help with relief efforts

(Continued from previous page)

Working out of a single room, with one of the few phone lines left in Dade County, they operated around-the-clock to find Reserve families, coordinate the return of reservists from overseas, and reestablish Reserve operations in south Florida.

The death toll from Hurricane Andrew was relatively low thanks to advance warning and weather support from organizations such as the Air Force Reserve's storm trackers the 403rd Airlift Wing from Keesler AFB, Miss. But warnings could not stop the 160-mile-per-hour winds which would level many parts of Dade County, leaving thousands without food, clothes or shelter.

At the request of the Federal Emergency Management Agency, a massive airlift began involving C-5, C-141, and C-130 transports and KC-135 tankers from the Air Force Reserve, Air National Guard, and Air Mobility Command. Communications equipment. Tents. Emergency generators. Food. Clothing.

All began arriving in a coordinated effort to south Florida.

Disaster coordinators stressed that all agencies wishing to make donations should contact their local Red Cross Chapter, Salvation Army or Seventh Day Adventists for assistance. Military units can only ship relief supplies after receiving proper authorization by the Federal Disaster Field Office, through Air Mobility Command.

AFRES establishes support fund

ROBINS AFB, Ga. The Air Force Reserve has established a support fund to assist reservists and their families affected by Hurricane Andrew.

"We are confident that there will be a number of other fund-raising activities and relief efforts undertaken to assist those people ravaged by Hurricane Andrew," said Maj. Gen. Robert A. McIntosh, Air Force Reserve vice commander. "However, the most immediate and worthwhile aid that we, the Air Force Reserve family, can provide is financial assistance."

McIntosh stressed that donations are strictly voluntary and the decision to give is on an individual basis. Reserve unit commanders have been authorized to establish a single point of contact to receive contributions. Only checks or money orders may be made out to: Ms. Natalie Bassett, HQ AFRES/DPARF, 155 2nd Street, Robins AFB, Ga. 31098-1635. Bassett may be reached at (912) 926-5032 or DSN 468-5032. (AFRESNS)

Through this process, 13 Air Force Reserve units from 10 states began airlifting critical supplies and equipment into Florida. In addition, the Youngstown Air Reserve Station, Ohio, unit was tasked to begin aerial spray operations to prevent the possible spread of infectious diseases.

When needed, thousands of reservists volunteered their services to help rebuild after one of the worst natural disasters in the history of the United States.

Staying well is a life-long goal

by Lt. Col. Alberto Angles
507th Medical Squadron

Good health is taken for granted by most. The underlying desire to be in good health is reflected by our salutations: 'Hey, how are you ... have a good day.' They communicate a sense of concern and a wish for a state of well being.

None of us want to be sick or disabled, yet that is what it takes sometimes to fully appreciate good health.

Our movement - the Wellness Movement - strives for much more than not being sick; it looks and works for that sense of well-being that can only exist through a commitment to constantly and aggressively pursue wellness. The movement gives us a new perspective.

The Wellness Movement can teach us to appreciate how the things we do on a daily basis can make the difference between being sick or being well; between feeling lousy and feeling great; between disability and vigorous living; or between dying prematurely and living to old age while remaining active and productive.

Because of a never-ending commitment to improve, not just the outcome or product but also the individual processes that deter mine it, the Department of Defense and the Air Force embraced Total Quality Management. Wellness is TQM as it pertains to life.

The bottom line of the Wellness Movement is identification of risk factors and negative lifestyle habits, and how we, with some effort, can modify those risks by improving the way of life.

Experts say there are three ways to change negative, rigid habits that affect our health:

AWARENESS comes through introspection and insight into what is right and wrong for us. It requires a personal educational process.

ATTITUDE sets the stage for improvement. It is the very personal button we push to make anything work. ACTION combines attitude and awareness into getting things done.

Just as auto makers have learned to produce a better product, so can we learn to produce better health. Small successes are the best start. They multiply into a better product.

Let's embark on the Wellness Movement ... BE WELL!

Recipes for good health include:

1. Variety: No single nutrient should be emphasized or eliminated without good reason.
2. Maintenance of an ideal. Extra weight for most means fat, a definite health liability.
3. Reduce fat and cholesterol. Fat from animals accelerates arteriosclerosis. Eat cheeses and eggs in moderation.
4. Consume adequate grains and root vegetables for starch and fiber. Complex carbohydrates are good energy sources, great for metabolizing fat and for digestion.
5. Avoid heavy sugar intake. Sweets are high in "empty" calories and accelerate tooth decay.
6. Reduce sodium. One in five people have problems with too much salt.
7. Drink alcohol only in moderation. Not only does it present a potential behavior problem, it is an empty nutrient metabolized as simple sugar high in calories.

(Air Force Reserve members desiring information on improving eating habits through the Air Force program may get it through the medical squadron.)

Thanks for the help

Dear Colonel Lytle,

On May 22nd, I flew an F-16 into Tinker and experienced electrical problems which required some of your folks to come over and replace an aircraft battery. They did this willingly and without hesitation. Additionally, as I climbed back into the aircraft, I hit the fire warning light panel with my boot and knocked the lights out. Your folks had remained on scene and, again, came to my rescue. They canned a part of a phase bird and got me headed to my conference in Colorado Springs.

All this happens and the spirit of the reserve component comes through loud and clear. I'm sorry for the inconvenience I gave your maintenance personnel but I was surely impressed with Doug Stewart and John Haden. Please thank them again for me and let MSgt. Spears know how much I appreciate the help and cooperation.

Best wishes for continued success.

Craig R. McKinley, Lt. Col., Florida ANG
Commander

Blood Drive yields results

By Dave Mugg

Forty-eight donors signed in during the the August UTA. We are scheduled for one more drive on November 14, the Saturday of the November UTA. All donors on that day will receive a t-shirt, since this will be the fourth drive of the year.

We would like to have enough donors this year to provide coverage for all our families, both our reservists and their dependents, to be able to receive blood if needed without having to pay the high prices. To do this, we will need about 300 donations during the year to ensure coverage next year.

To date we have received 156 units. This is counting the donations here in the unit and those by our members at Oklahoma Blood Institute centers.

Remember, tell your people to have their donations credited to Group 13 when donating at OBI centers and we'll still get the credit. There have been only 17 credited donations at OBI centers this year so far so don't overlook this item.

Reserve News you can use

Red Cross helps Reserve

The American Red Cross' "Employment Skills Assistance Project" is now financially helping national guard and reserve Desert Shield/Storm veterans hone their job skills.

Qualified reserve veterans will receive up to \$175 to use for resume writing, interviewing, communications skills and job hunting workshops, as well as for vocational, technical and skill-building courses. People who supported the war stateside also may be eligible for this one-time-only grant.

Either the service member or spouse may apply, and dual-service-member-families, where both were activated, both may apply. Full-time national guardsmen, reservists and recruiters are not eligible.

DoD funded the program with a \$13.5 million grant. Eligibles may get more information about, and apply for, this assistance at the Oklahoma City Red Cross Chapter, 601 N.E. 6th, OKC, OK 73104 or call 232-7121.

Sexual harassment serious matter

Recent events have focused public attention on the issue of sexual harassment in the military. The Air Force places responsibility for sexual harassment education, awareness and enforcement at all levels. It defines sexual harassment as a form of sex discrimination that involves unwelcome sexual advances, requests for sexual favors, and other verbal or physical conduct of a sexual nature:

-- When submission to such conduct is made either explicitly or implicitly a term or condition of a person's job, pay or career;

-- When submission to or rejection of such conduct by a person is used as a basis for career or employment decisions affecting this person;

-- When such conduct has the purpose or effect of interfering with an individual's performance or of creating an

intimidating, hostile or offensive environment;

-- When any person in a supervisory or command position uses or condones implicit or explicit sexual behavior to control, influence, or affect the career, pay or job of a military member or civilian employee;

-- Or when any member or civilian employee makes deliberate or repeated unwelcome verbal comments, gestures or physical contact of a sexual nature.

The Air Force has a clear policy on sexual harassment: It is unacceptable behavior that cannot be tolerated. If you think you have been a victim of sexual harassment, you have the right to report the incident through your chain of command, or directly to your unit social actions officer or inspector general.

Reserve lands flight safety award

The Air Force Reserve has won an Air Force Chief of Staff Special Achievement Award for flight safety in fiscal year 1991. Two Reserve associate units also share special achievement awards with their

active-duty counterparts. They are the 916th Air Refueling Group (Associate) collocated with the active-duty 4th Wing at Seymour Johnson AFB, N.C., and the 445th Airlift Wing (Associate) based at Norton AFB, Calif., with the 63rd Airlift Wing. Special achievement awards are presented for achieving low accident rates during the year. The Reserve won the award in 1980, the first year the award was given, and again in 1983 and 1984.

Reservists help Provide Promise

Air Force Reserve C-130 aircraft and aircrews from the 934th Airlift Group in Minneapolis-St. Paul, Minnesota, are airlifting needed supplies and food into war-torn Sarajevo and Zagreb. Active-duty and Air National Guard aircraft and crews are also flying out of Rhein Main Air Base, Germany, to support Operation Provide Promise. By the end of July, the combined effort had transported more than 570 tons of food, fuel, medical supplies, cots, sleeping blankets and equipment into the area. The items were donated by U.S. and European community agencies.

Officer "stripes" removed from uniform tests

WASHINGTON (AFNS) -- Officers participating in the uniform test and wearing the striped shoulder marks on the shirt shoulder epaulets should stop wearing them for the test program, Air Force officials said.

"It's clear that the 'stripe' style shoulder rank for officers' shirts is a 'non-starter,'" Air Force Chief of Staff Gen. Merrill A. McPeak said.

"The feedback we've got is overwhelming," he said. "Nobody likes it, including me."

Rank for the shirt-sleeve uniforms will be the current traditional bars, leaves and eagles. The new general officer version of shoulder rank will continue to be tested.

The uniform test period, which began in May, is scheduled to run until November, at which time more feedback and examinations of the tested uniforms will be evaluated.

The other ranks being tested on officers' service dress and all enlisted chevrons are not affected by this change. They will continue to be tested for the full period, officials said.