

AF, civil service touted by TEAM KIRTLAND volunteers at Career Day

BY JENNIFER E. WEST

Nucleus staff writer

TEAM KIRTLAND volunteers showcased the many career opportunities and challenges of Air Force and federal service jobs during the Highland High School Career Fair and Career Pathways Week in late September and early October.

TEAM KIRTLAND, 15 Air Force and civilian employees, participated in the school's Career Pathways Week, Sept. 27-30. They represented career fields, including financial management, nuclear engineering, aircraft maintenance, hospitality, medical and auditing. They shared their school and work experiences with ninth grade students by providing an awareness of available federal government jobs.

Pathway's Week culminated in a Career Fair held at the high school in which 12 Kirtland booths were manned showcasing the career opportunities available in the federal government. Volunteers shared their specific career experiences with students.

In addition, to the various career booths, a leadership and management booth was set up highlighting two Highland High School alumni, retired Maj. Gen. Susan Pamerleau and retired Brig. Gen. Tom Scanlan, both 1964 graduates. They spent several hours at the career field talking to students and sharing their high school memories and how the school helped prepare them for successful careers in the Air Force. Later in the day, they also held question and answer sessions with ninth grade classes.

Additionally, Col. Hank Andrews, 377th Air Base Wing commander, and former vice commander, retired Col. Steve Bower, shared their leadership perspectives with students.

The career event was part of an Albuquerque Public Schools initiative, in partnership with Kirtland, to help students make career decisions.

"I feel the Highland High School career fair was an excellent program to expose students to opportunities in the Air Force—and not just from a recruiter's perspective," said Capt. James Fausey, Air Force Research Laboratory Space Vehicles Directorate program control chief.

"If only a few students (might take) from the fair a sincere intent to simply consider college and a career in the Air Force, my time at the fair was well spent."

Captain Fausey said he provided the students visiting his information booth with general information about his career field while also telling them the Air Force has "numerous opportunities for those seeking a college education or career as either a 'bluesuiter' or as a civilian."

Second Lt. Jennifer Mack of the 377th Services Squadron said, "I thought the career fair was a great

way to encourage the students to consider working for the government, either in the military or as a civil servant. We in the 377th Services Squadron received a lot of interest in our career field."

Lieutenant Mack discussed with students how to enter her field at any level and get training in areas including restaurant and hotel management. In her own case, she was able to get her aerobics and personal trainer certification during her service at the fitness center.

"We (also) talked about me getting to shake President (George W.) Bush's hand and meeting Vice President Cheney, and how, even though it's not an everyday occurrence, I wouldn't have had these awesome

opportunities if it weren't for the Air Force."

While 2nd Lt. Devanie Bridges of 377th Services Squadron organized the career fair portion of the project, Maj. Lisa McColgan, 377th Comptroller Squadron commander, organized the career pathways portion of the program and also was a representative, meeting students at the fair.

"It's exciting to see all the young adults at this Career Fair concerned about their futures," stated Major McColgan. "We're trying to show the students that Kirtland Air Force Base has all types of job opportunities available and, that in the Air Force or as a government civilian, you can apply for nearly any job available in the local community."



Photo by Todd Berenger

Retired Maj. Gen. Susan Pamerleau and retired Brig. Gen. Tom Scanlan, both 1964 Highland High School graduates, share their leadership and management experiences with the students during the Highland High School Career Day.

AAFES Reel Time Theater ticket prices increase

Army and Air Force Exchange Service ticket prices will increase today for the first time in 10 years. Admission prices for adults will increase by \$.50; children ticket prices will increase by \$.25.

"The new AAFES Reel Time theater admission prices are still more than 33 percent lower than the 2003 average commercial prices posted on the National Association of Theater Owners Web site. This makes AAFES theaters one of the best entertainment bargains available to troops," said Richard Sheff, vice president of AAFES food and theater division.



Photo by Todd Berenger

Thank you

Army Lt. Col. Anna Lucero and Terry Brawley, University of New Mexico ROTC, present the Kirtland Air Force Base military clothing sales staff with a certificate of appreciation Wednesday for their support of the ROTC mission.

(Front Row: Lt Col. Anna Lucero, Monica Millanez, Trinidad Suaceda and Beate Lawton. Back Row: Terry Brawley, Donna Smith and John Nava.)

Nonlethal technology planned to go airborne

BY EVA HENDREN

Air Force Research Laboratory, Office of Public Affairs

A revolutionary pain-generating technology is making steps to go airborne, transitioning from a ground vehicle to an airplane. The Air Force Research Laboratory awarded a \$7 million four-year contract today to make that transition possible. The contract has a potential total of \$11 million with options.

Communications & Power Industries, or CPI, based in Palo Alto, Calif., is slated to build an improved energy-generating device to enable an airborne version of the Active Denial System, a nonlethal weapon technology created by the laboratory's Directed Energy Directorate here. The technology uses millimeter-wave electromagnetic energy to stop and turn back an attacking adversary. The energy, when

directed at a person, penetrates the surface of the skin and heats the skin's surface, creating a sensation of pain without causing damage.

Following a vehicle-mounted version of the technology under development, the laboratory is going a step further and beginning development to place the same capability onto an airborne platform. In order to do so, the system needs a lighter, more efficient wave source. CPI is using technology it developed and demonstrated under a previous contract with the laboratory.

Active denial does not cause damage; its millimeter-wave energy penetrates the skin less than 1/64 of an inch, heating the water molecules in the skin and creating an intense burning sensation. However, the low-level beam of energy and shallow penetration leave the skin unscathed. Once the wave is turned off

or redirected away from the target, the effect ceases.

The technology was developed in response to Department of Defense needs for field commanders to have the option of nonlethal force. The technology can be used in peacekeeping and humanitarian missions, as well as for basic protection and police keeping.

Three other laboratory directorates are involved in developing this airborne capability: propulsion at Wright-Patterson AFB, Ohio, vehicles at Wright-Patterson AFB, Ohio, and human effectiveness at Brooks City-Base, Texas.

Directed Energy, as the lead directorate, focuses on the systems engineering and radiating system development. Other labs provide airborne power generation/conditioning for the radiating system, thermal management and aircraft integration issues and biological effects research.