



Los Angeles Edition Including Los Angeles AFB

New SMC education, training university up and running

by Rebecca Amber
staff writer

Salient Federal Solutions announced the grand opening of the new state-of-the-art Air Force Space and Missile Systems Center Education and Training University May 16.

The center is located across the street from the Los Angeles Air Force base in El Segundo, Calif.

It is the first center of its kind in the armed forces community and will serve a customer base of more than 6,000 personnel, including U.S. Air Force Space and Missile Systems Center workforce, civilians and contractors worldwide.

Salient Federal Solutions is a provider for federal information technology and engineering solutions, and is headquartered in Fairfax Va. They provide the government and industry with educational resources to accelerate mission impact. They were contracted by the Air Force to develop the new university facility in El Segundo, which will serve as an example to model future sites after.

"We have 14 offices nationwide," said Derek Elder, Salient's director of operations for the Space and Engineering Division of Responsive Mission Support Solutions. "We do a lot of training, we do stand-up instruction in Fort Huachuca for the military's special operations command, we do everything from surveillance training to intelligence training, we do systems engineering and IT engineering, systems training in Colorado Springs. We do a lot of information type work like cyber security, it's a diverse portfolio, but this is the first facility of its kind that we've built.

The 5,000-square foot facility is designed to handle the needs of changing educational circumstances. It is outfitted with three large classrooms as well as several smaller breakout rooms, allowing versatile usage. One classroom is a computer-training classroom with

more than two dozen 23-inch touch screen-enabled networked computers. The other two main rooms are separated by a sound-proof wall, which retracts into a control booth, allowing the rooms to be combined to create one large conference room for Air Force use. "Let's say we had a conference and [the Air Force's] Gordon Conference Center is booked. Why not have the Air Force over here and use ours? We're more than happy to," said Elder.

Inside, the classrooms are equipped with the latest presentation technology. There is a 13-foot digital projector with ten high-definition, networked flat screens for seamless transfer of material from the classroom to the breakout sessions. The projectors can be run independently of each other to show multiple video feeds at the same time, or synchronized to show the same video feed throughout the room. The control booth is used to direct five high-definition, pan-tilt and zoom cameras that

can record and transmit video feed for both distance learning and stand-up instruction.

After the transmissions are received, the videos may be recorded and edited for later viewing.

Individual classes will be made available to the students via the university website. The executive conference room is also built with VTC and recording capability through the same control booth that runs the video feeds in the classrooms. Even the white boards are aided by the video capability, allowing them to transmit and record what ever is written on them.

Use of live video streams will allow students to participate in class when they are unable to attend in person. Each student that enrolls at the center is given an individual development plan that will assist in providing classes that are relevant to the student. The curriculum is still in its development phase, but when it is complete it will offer various certifications

that may become necessary to obtain promotions. This will act as an incentive to further the education of the employees, a need that is becoming critical as many in the workforce come closer to retirement.

"We've got an excellent workforce that comes in and they sit next to somebody that's been there for 5-6 years and they know their job, but they don't know what's going on around them," said Elder. "We want them to understand that they are part of a greater picture and there is a greater mission at hand that they really are a part of, and really understand what they've signed up for and what's at their fingertips. It's team building and professional development.

"We've got an aging workforce, when it comes down to it. We've got science, technology, the engineering and math-type industries and some of the greatest minds are about to retire. And, we don't have any way to capture that so we've got to meet the educational needs before that happens."

But, as noted by Chancellor of SMC University Ed Salem, the new training center is much more than just a facility with high-end equipment. It is an opportunity for students to grow and learn both as individuals and as members of a team.

"Our contract is for a service," said Salem. "It is a full service education and training capability to include coursework, development of courses, live-streaming, a website, and teachers. All of those things – that's the service and capability that we've contracted. The fact that they need a facility to do that is incidental to the contract. Salient is a great partner and SMC is looking forward to further developing our workforce. Without a well-developed – not just trained and educated – workforce, we have no future. The future of SMC is in its people, and that's what we're all about, creating a good environment to train and educate."



Photograph by Rebecca Amber

This classroom is a computer training classroom with over two dozen 23-inch touch screen-enabled networked computers.

Northrop Grumman's rotorcraft technology contributes to Navy's successful test bed flight

WOODLAND HILLS, Calif. – Northrop Grumman's Digital Avionics Suite technology was recently used for the first time in the successful flight of a UH-1N helicopter that serves as an avionics test bed for future rotary wing hardware and software developments.

The Test Bed for Rapid Warfighter Response and Experimentation, known as "T-Rex," is operated by the U.S. Naval Aviation Center for Rotorcraft Advancement, which is based in Patuxent River, Md. T-Rex is the only rotary wing technology test bed currently flown by the Navy.

The Digital Avionics Suite is installed in the back of a retrofitted UH-1N helicopter that has been transferred from the U.S. Marine Corps. The Digital Avionics Suite is a smaller version

of the system Northrop Grumman has supplied for the AH-1Z helicopter and allows for test integration with minimal changes to the systems avionics or the aircraft.

The Digital Avionics Suite includes a mission computer allowing for easy system upgrades, two multifunction displays that make critical mission data available to the flight test engineers, and an LN-251 embedded global positioning system/fiber-optic inertial navigation system to provide precise positioning information.

"T-Rex allowed us to quickly and easily demonstrate enhanced combat capability concepts for a war fighting platform," said Lt. Col. John Selby, the AH-1W/UH-1N platform team lead of the Marine Corps Light Attack Helicopter Program. "This capabil-

ity demonstration was conducted by allowing simultaneous operator use of two completely different avionics hardware suites. In this side-by-side configuration, the operator was able to compare the dissimilar implementations in a uniquely efficient demonstration."

"The addition of the Digital Avionics Suite to NACRA's T-Rex shortens the analysis and test time for improvement of avionics systems and reaffirms Northrop Grumman's continuing commitment to developing high-quality situational awareness technologies," said Ike Song, vice president of situational awareness systems at Northrop Grumman's Navigation Systems Division.

China general says his military no match for U.S.

A top Chinese general said May 18 the communist nation's defense clout lags decades behind the United States, and that China seeks warmer relations. He was seeking to counter U.S. worries about his country's rapid military growth.

Gen. Chen Bingde, whose position in Beijing is roughly the equivalent of chairman of the U.S. Joint Chiefs of Staff, used a 45-minute speech at the National Defense University to play down fears of Chinese intentions.

"Although China's defense and military development has come a long way in recent years, a gaping gap between you and us remains," Chen said through a Chinese interpreter. He added, "China never intends to challenge the United States."

He said he was optimistic about the future of U.S.-China military relations, which have suffered repeated setbacks. Early last year China angrily cut off most military-to-military contacts after the U.S. announced a \$6.4 billion arms sale to Taiwan, the self-governing island that China considers a renegade province. Under U.S. law, the Pentagon is obliged to provide Taiwan with sufficient military assets to defend its territory.

Chen, chief of the general staff of the People's Liberation Army, is leading a delegation of eight Chinese generals on a weeklong trip to the United States, visiting Army, Navy and Air Force bases. *AP*

Raytheon advises warrant holders of expiration

Raytheon is advising warrant holders that the company's publicly traded warrants will expire and that the warrants will not be exercisable after 5 p.m., EDT, June 16.

The expiration date was established in June 2006 when the five-year warrants were originally issued.

Prior to the expiration, each warrant may be exercised to purchase one share of the company's common stock at a price of \$37.50.

A three NYSE trading day Notice of Guaranteed Delivery is being provided so trading in the warrants on the NYSE can continue until the close of the market on June 15 with normal three-day settlements.

A warrant holder can obtain further information on exercising warrants by contacting his or her broker or American Stock

Boeing says any new plane that replaces its hot-selling 737 could be 20 percent more fuel efficient.

Boeing is trying to decide whether to put a new engine on the 737, or make an all-new plane that would be sold around the end of this decade. Jim Albaugh, who runs Boeing's commercial airplane business, told analysts May 24 that the technology should be available to improve fuel efficiency by 20 percent.

That would be better than the 15 percent promised by Boeing competitor Airbus for the new-engine version of its A320. That plane is expected in 2016.

Boeing CEO Jim McNerney said the company is leaning toward making a new plane, but it will maintain the option to go with a new engine. *AP*

Helicopter from bin Laden raid now back in U.S.

The Pentagon says the wreckage of the U.S. helicopter destroyed in the military operation that killed Osama bin Laden was returned by Pakistan.

The helicopter was damaged during the May 2 raid at bin Laden's hiding place in Pakistan, and U.S. commandos blew it up so it would not fall into the wrong hands.

The United States demanded that Pakistan return the remains of the helicopter. Defense Department spokesman Col. Dave Lapan says it is now back in the United States. *AP*

U.S. military deaths in Iraq war at 4,452

As of May 24, 2011, at least 4,452 members of the U.S. military had died in the Iraq war since it began in March 2003, according to an *Associated Press* count.

The figure includes nine military civilians killed in action.

At least 3,506 military personnel died as a result of hostile action, according to the military's numbers.

The AP count is five fewer than the Defense Department's tally, last updated at 10 a.m., EDT, May 24.

Since the start of U.S. military operations in Iraq, 32,102 U.S. service members have been wounded in hostile action, according to the Defense Department's weekly tally. *AP*

As of May 24, 2011, at least 1,474 members of the U.S. military had died in Afghanistan as a result of the U.S. invasion of Afghanistan in late 2001, according to an *Associated Press* count.

The AP count is three more than the Defense Department's tally, last updated at 10 a.m., EDT, May 24.

At least 1,218 military service members have died in Afghanistan as a result of hostile action, according to the military's numbers.

Outside of Afghanistan, the department reports at least 99 more members of the U.S. military died in support of Operation Enduring Freedom. Of those, 11 were the result of hostile action.

The AP count of total OEF casualties outside of Afghanistan is one fewer than the department's tally.

The Defense Department also counts two military civilian deaths.

Since the start of U.S. military operations in Afghanistan, 11,541 U.S. service members have been wounded in hostile action, according to the Defense Department. *AP*

China providing Pakistan 50 fighter jets

China has agreed to provide Pakistan with 50 additional fighter jets in a deal clinched during Prime Minister Yousuf Raza Gilani's trip to Beijing, a Pakistani air force official said May 20.

Gilani was wrapping up four-day visit that highlighted Pakistan's warm ties with China at a time of heightened tensions with Washington over the killing of Osama bin Laden in a Pakistani town by American special forces.

Pakistan is seen as eager to show a demanding Washington that it has a strong diplomatic alternative in uncritical ally China.

Speaking on condition of anonymity, the Pakistani air force official confirmed the deal to provide the JF-17 Thunder jets, a single-engine multirole fighter developed in cooperation between China and Pakistan. He offered no details on cost or other terms of the agreement.

Pakistan has already inducted an initial squadron 14 of the planes into its air force, using some of them alongside U.S.-made F-16s to bomb insurgent strongholds in South Waziristan in 2009. The air force has long been expected to procure more of the planes, including future models with more advanced radars and more powerful engines. *AP*

New plane would be 20 pct more efficient

U.S. military deaths in Afghanistan at 1,474

Bill Harrison (Ret. AF) Insurance Agent

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Missile warning satellite successfully reaches orbit

SBIRS GEO-1 spacecraft to deliver unprecedented infrared surveillance for the nation

The first Lockheed Martin-built Space Based Infrared System geosynchronous spacecraft has successfully reached its intended orbit and is performing as required following its successful May 7 launch from Cape Canaveral Air Force Station, Fla.

After launch, the U.S. Air Force/Lockheed Martin SBIRS ground team executed a series of six Liquid Apogee Engine burns to propel the spacecraft to its geosynchronous orbital slot.

The team then deployed the satellite's solar arrays, light shade and antenna wing assemblies in preparation for activating its sophisticated infrared sensors and the start of early orbit testing.

SBIRS GEO-1 is the most technologically advanced military infrared satellite ever developed and will enhance early warning of missile launches around the globe, support the nation's ballistic missile defense system, greatly expand technical intelligence gathering capability, and bolster situational awareness for warfighters on the battlefield.

"Successfully reaching orbit and conducting deployments is a tremendous milestone for the SBIRS GEO-1 spacecraft. Thanks to a very talented and dedicated team, this first-of-its-kind spacecraft has performed flawlessly," said Col. Roger W. Teague, the director of the U.S. Air Force's Infrared Space Systems Directorate. "We anticipate continued success as we progress towards payload activation

in the near future."

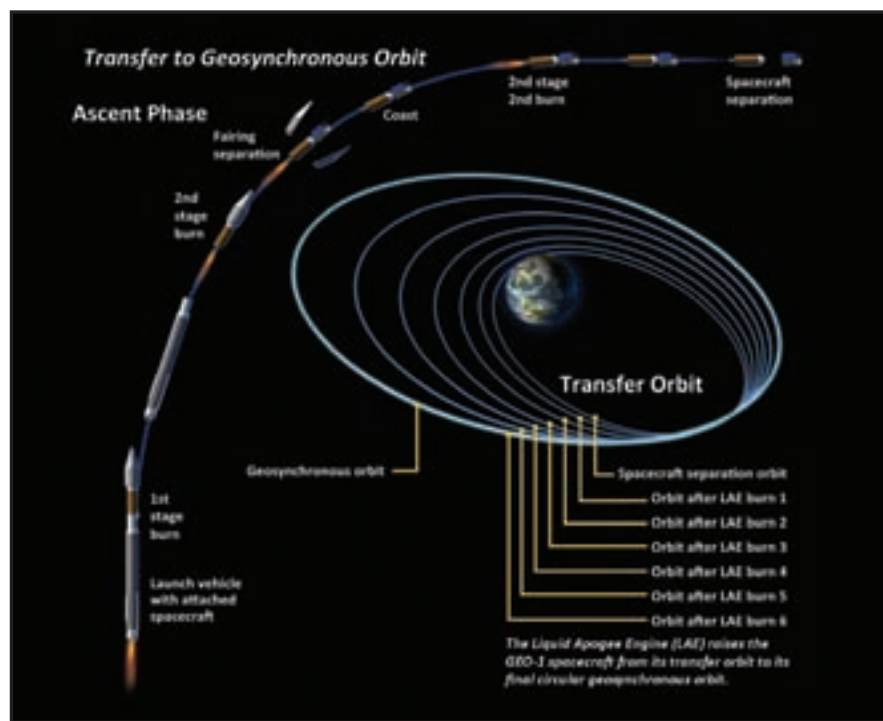
SBIRS GEO-1 includes highly sophisticated scanning and staring sensors that will deliver improved infrared sensitivity and a reduction in area revisit times over the current constellation. The scanning sensor will provide a wide area surveillance of missile launches and natural phenomena across the earth, while the staring sensor will be used to observe smaller areas of interest with superior sensitivity.

"We are very pleased with the performance of SBIRS GEO-1 and we are looking forward to delivering unprecedented infrared surveillance capabilities for the nation," said Jeff Smith, vice president of Lockheed Martin's Overhead Persistent Infrared mission

area.

The SBIRS team is led by the Infrared Space Systems Directorate at the U.S. Air Force Space and Missile Systems Center. Lockheed Martin is the SBIRS prime contractor, with Northrop Grumman as the payload integrator. Air Force Space Command operates the SBIRS system.

Lockheed Martin's original SBIRS contract includes HEO payloads, two geosynchronous orbit satellites, as well as ground-based assets to receive and process the infrared data. The team is also under a follow-on production contract to deliver additional HEO payloads and the third and fourth GEO satellites, and associated ground modifications.



United Launch Alliance photograph by Pat Corkey

The Air Force's Space Based Infrared Systems GEO-1 payload is launched aboard a United Launch Alliance Atlas V rocket from Space Launch Complex-41, Cape Canaveral Air Force Station, Fla., at 2:10 p.m., EDT, May 7. SBIRS is designed to provide global, overhead, persistent, infrared surveillance capability to meet 21st century demands in mission areas including missile warning, missile defense, technical intelligence and battlespace awareness.

Capacity demands driving \$52 billion Satcom production

Forecast International projects that the worldwide commercial communications satellite market will be worth \$51.9 billion from 2011-2020.

Its "The Market for Commercial Communications Satellites" study, which tracks some 54 satellite production programs, projects that 461 individual communications satellites will be produced during that timeframe.

According to the study, demand for satellite services remains strong, despite the global economic upheaval. Satellite sales are being driven by major fleet upgrades by the large geosynchronous satellite operators such as SES and Intelsat, and by LEO operator Iridium Communications Inc.

Growth in developing markets is also driving

satellite purchases. Governments will be major buyers of commercial communications satellite services as they supplement their own capacity with capacity from commercial satellites. William Ostrove, Forecast International aerospace systems analyst and author of the study, said deliveries will reach a high in the middle part of the forecast period as deliveries of the upgraded Iridium fleet begin.

Developing regions are particularly important to the overall health of the communications satellite market. Ostrove points out that satellite operators have fewer barriers to entry in developing regions, which include Africa, the Middle East, Eastern Europe, and parts of Asia. "There are fewer services provided by terrestrial networks

in those regions, and therefore satellites are not competing against well-established companies," Ostrove said. As those economies grow, more opportunities will arise for satellite operators.

The study adds that governments are increasingly feeling pressured to reduce budgets. So instead of purchasing new satellites, governments are turning to commercial satellite operators to provide communications services. Government payloads will increasingly be deployed on commercial satellites under a scheme known as hosted payloads. These demands from government users will increase the need for commercial satellite services.

Significant areas of growth for commercial satellite operators over the next 10 years include

direct-to-home television broadcast, video distribution, networking, data transfer, and broadband Internet. As users demand more capacity, satellites will need to be produced to increase in-orbit capacity. This, too, will drive production over the next 10 years.

The top manufacturers in the commercial communications satellite industry over the next 10 years will include Space Systems/Loral, Thales Alenia Space, EADS Astrium, China Aerospace Science and Technology Corp, Boeing, and Lockheed Martin. Recently, Boeing and Lockheed Martin have increased their focus on the commercial market, as the demand for military satellites has shrunk.

Raytheon to produce additional APG-79 AESA radars

El SEGUNDO, Calif. – Raytheon has received a contract from Boeing for the second procurement in the four-year Multi-Year III program to produce and deliver APG-79 active electronically scanned array radars for F/A-18 Super Hornet tactical aircraft.

The APG-79 AESA radar hardware has 10-15 times greater reliability compared to mechanically scanned array radars. This reliability and easy maintainability makes AESA radars more affordable over the service life of the unit.

"In addition to lower failure and maintenance rates, APG-79

AESA radars provide the U.S. Navy leading-edge technology for situational awareness," said Eric Ditmars, Raytheon's F/A-18 program director, Tactical Airborne Systems. "The long-range capability allows aircrews more time to process, share and assess information."

This procurement contract is for the production of 42 APG-79 AESA radars and will be completed at Raytheon facilities in El Segundo, Calif.; Andover, Mass.; Forest, Miss.; and Dallas, Texas.

Northrop Grumman's rotorcraft technology contributes to Navy's successful test bed flight

WOODLAND HILLS, Calif. – Northrop Grumman's Digital Avionics Suite technology was recently used for the first time in the successful flight of a UH-1N helicopter that serves as an avionics test bed for future rotary wing hardware and software developments.

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Northrop Grumman photographs

The Test Bed for Rapid Warfighter Response and Experimentation, known as "T-Rex," is operated by the U.S. Naval Aviation Center for Rotorcraft Advancement and contains Northrop Grumman's Digital Avionics Suite technology. Inset: Northrop Grumman's Digital Avionics Suite in a retrofitted UH-1N helicopter played a key role in a successful flight of the "T-Rex" avionics test bed, which is operated by the U.S. Naval Aviation Center for Rotorcraft Advancement.

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Boeing honors supplier performance excellence

Sixteen businesses receive Supplier of the Year awards

Boeing has recognized 16 companies as top suppliers for their superior performance and ability to achieve high levels of customer satisfaction in 2010.

The companies, honored as Boeing Supplier of the Year winners Wednesday night in Seattle at the Boeing Global Supplier Conference, were selected from a pool of more than 17,500 Boeing suppliers in more than 50 countries.

"These companies are an incredibly strong group of suppliers that delivered outstanding results, superior performance and top-notch customer satisfaction in 2010," said Jim McNerney, Boeing chairman, president and CEO. "We appreciate their efforts as part of our team."

"Boeing's Supplier of the Year program highlights the work being done to partner with world-class suppliers who deliver outstanding products and services," said Stan Deal, vice president and general manager of Supplier Management for Boeing Commercial Airplanes. "We view our suppliers as an extension of our production facilities. They bring us a combination of quality, capability, capacity and technology that enables us to meet and exceed customer expectations."

The Boeing global supply chain is among the most complex and geographically dispersed in manufactur-

ing. The company annually purchases more than \$40 billion in goods and services from approximately 28,000 suppliers employing more than 1.2 million workers around the globe.

The winning suppliers were chosen based on statistical measurements of quality, on-time delivery, post-delivery support, cost and their ability to anticipate and respond to changing customer requirements.

The award categories and honored companies are:

Aerospace Support

Delaware Resource Group of Oklahoma LLC – Oklahoma City

Avionics

Giga-tronics Incorporated, Micro-Source Division – Santa Rosa, Calif.

Common Aerospace Commodity

AMI Metals Inc. – Brentwood, Tenn.

Diversity

Genesis Performance Systems Inc. – West Linn, Ore.

Electrical/Hydraulic/Mechanical Standards

Bridgestone Corporation – Tokyo

Interiors



GM Nameplate – Seattle

International

University of Sheffield Advanced Manufacturing Research Center – Rotherham, U.K.

Major Structures

Kawasaki Heavy Industries Ltd. – Tokyo

Non-Production

Infotech Enterprises – Madhapur, India

Propulsion

CFM – West Chester, Ohio

Purchased Outside Production

Valent Aerostructures, DACA Division LLC – Dutzow, Mo.

Technology

Serco—Colorado Springs, Colo.

Leader's Choice Awards:

Academia

Commonwealth Scientific and Industrial Research Organization – Clayton South, Australia

Advantage (exceeding cost-performance goals and objectives)

Pugh Capital Management – Seattle

Alliance (sharing risks in introduction of new products)

Vector Aerospace Helicopter Services Inc. – Gosport, Hampshire, U.K.

Pathfinder (outstanding performance improvements)

Korea Aerospace Industries Ltd. – Sacheon City, Korea

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Boeing awarded Air Force combat survivor evader locator contract

HUNTINGTON BEACH, Calif. – Boeing received a \$21.4 million contract from the U.S. Air Force March 31 to manufacture and deliver an additional 2,424 Combat Survivor Evader Locator combat search and rescue radios.

Boeing has delivered more than 43,900 CSEL radios to the Air Force, Army, Navy and Marine Corps. Today's agreement is the fifth CSEL contract for the Air Force.

"When minutes count, CSEL allows rescue teams to precisely locate isolated personnel using multi-satellite, over-the-horizon communications and GPS," said Boeing CSEL Program Manager Steve Capps. "Boeing CSEL radios save lives by providing real-time communications capabilities and enhanced coordination with a downed pilot."

Today's full-rate CSEL production order in-

cludes radio sets and adapter spares, rechargeable batteries, and battery adapters. The contract calls for delivery of all components by April 2012.

CSEL is the Department of Defense's program of record for combat search and rescue communications. With this contract award, the joint U.S. forces have ordered more than 46,000 CSEL units. The radios also are available to other U.S. government service branches through the General Services Administration.

The multifunction CSEL radio gives combat forces a cost-effective, tactical advantage with its unique communication and message encryption techniques. With CSEL, rescue teams can locate isolated personnel quickly after receiving a call for help.

Raytheon awarded \$84.7 million for ALR-67(V)3 production contract

EL SEGUNDO, Calif. – Raytheon has received an \$84.7 million U.S. Navy contract for continued production of ALR-67(V)3 digital radar warning receivers.

The contract was awarded by the U.S. Naval Air Systems Command, Patuxent River, Md.

The ALR-67(V)3 is the U.S. Navy standard for digital radar warning receiver technology. It is made for installation on all frontline, carrier-based F/A-18 E/F tactical aircraft and is an integral part of modernization programs for U.S. and international customers.

The ALR-67(V)3 is the first deployed radar warning receiver to combine fully channelized

digital receiver architecture with the power of dual processors. Its innovative architecture enables the successful detection of emitters in high-density electromagnetic environments and uses leading-edge digital technology for improved reliability.

"This technology is fully integrated with all avionics equipment on the Super Hornet. War fighters need its advanced functionality to support increasingly complex combat operations," said Scott Jackson, general manager of Raytheon's electronic warfare systems product line. "The ALR-67(V)3 improves aircrew survivability by providing immediate and accurate situational awareness of the threat environment."

ORS-1 ready to ship to NASA Wallops flight facility

The Space Development and Test Directorate, in concert with the Operationally Responsive Space Office, marked a major milestone May 20 as the ORS-1 space vehicle is approved to ship to NASA's Wallops Flight Facility, Wallops Island, Va., for integration with a Minotaur I launch vehicle.

ORS-1 is the first satellite in the DOD's ORS program designed to support Combatant Command operations as an operational prototype.

The payload leverages a SYERS-2 sensor, the primary imaging sensor on the U-2 reconnaissance plane. The ORS-1 payload was built by Goodrich, who also served as prime contractor, while the spacecraft bus was built by ATK Spacecraft Systems & Services, Beltsville, Md. It includes an integrated propulsion system as well as other critical subsystems for communications, attitude control, thermal control and command and data handling. ORS-1 will provide crucial battlespace awareness supporting U.S. Central Command.

"This team has just accomplished the impossible by building an operationally relevant satellite in a mere 30 months," said Col. Carol Welsch, acting director of the Space Development and Test Directorate. "We're excited to field this important capability to meet a U.S. CENTCOM urgent need."

This is a significant accomplishment in driving towards the ORS mission end-state

to provide "assured space power focused on timely satisfaction of Joint Force Commanders' needs," and I couldn't be prouder of how the entire ORS Team pulled together this achievement," said ORS Office Director, Dr. Peter Wegner.

The ORS-1 Program is managed and executed by the Space Development & Test Directorate at Kirtland Air Force Base, N.M. The directorate is executing the program for the ORS Office, which is a joint initiative of several agencies within DOD responsible for integrating joint ORS capabilities and applying ORS resources to the development, acquisition and demonstration of capabilities to meet specific responsive space needs as established by global combatant command joint force commanders and users.

The directorate also led the development and acquisition of the Multi-Mission Space Operations Center round system, which will be used to support ORS-1. Operations will be performed by the 50th Space Wing's 1st Space Operations Squadron once ORS-1 is on orbit.

ORS-1 will complete launch-site testing, vehicle checkout, and launch vehicle integration and closeout at the NASA Wallops Flight Facility in preparation for launch early this summer from the Mid-Atlantic Regional Spaceport, a commercial spaceport owned by the Virginia Commercial Flight Authority located at the NASA Wallops Flight Facility.

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New state VA chief visits Southland's veterans homes

by Diane Betzler
staff writer

Secretary of the California Department of Veterans Affairs, Peter James Gravett began his four-year term by visiting the Veterans Home of California—West Los Angeles, May 13.

During his first visit to a California veterans home Gravett was out to meet the staff, the home's administrator and its residents to get a feel for how the facility operates and to chat with veterans.

A veteran himself, Gravett retired as a major general from the California National Guard after 35 years of service. He said his number one priority in his newly appointed role is to serve veterans.

Gravett was appointed to the position by Governor Edmund G. Brown, Jr., May 2, and said last week's visit was the first of many to come.

"I intend to visit all the veterans' homes in California to meet each home's administrator, the staff and the veterans who live there," Gravett said during a recent telephone interview.

"The biggest challenge of my appointment will be to see to it that the department gives out the best service it can to veterans," he said.

Each veteran's home in California is dedicated to the state's resident veterans and is a place for them to call home, said Jeanne Bonfilio, public information officer for the California Department of Veterans Affairs. She said the homes offer the kind of care many of California's aging veterans need and depend on.

According to some veterans' home administrators, California veterans' homes pride themselves for being dedicated to offering veterans a sense of purpose, an avenue for networking and a means for communication, all of which are considered to be a vital key for keeping the older adults engaged with life and each other.

In the two weeks since his appointment, Gravett said he's been reviewing the department policies and looking at the way it's been run.

"I don't see any immediate problems, the staff before me has obviously been doing a great job," he said. Gravett said by the time his position is confirmed by the state senate at the end of the year, he should be fairly familiar with the department and if he does discover any problems that might exist; he will address them after his confirmation into office.

"Mr. Gravett also met with homeless veterans advocate agencies and expressed a strong com-

mitment to continue the department's legacy of serving veterans and their families by building on CalVet's goals and objectives and by doing all he can for veterans," Bonfilio said.

When asked about how the state budget will affect veterans' programs, Gravett said he doesn't yet know. He said there is a new revised budget coming out and he'll know more after reviewing the revisions.

"Whatever our budget is, we're going to use it to help veterans," he said.

Gravett said officials are working hard to balance the budget without taking further cuts out of the state's veteran services.

"The governor is asking voters for an approval on an extension on the existing community taxes," Gravett said.

He said if that happens his department will have an additional \$12 to \$13 million that will help assist their programs.

"As I move forward in my new position and my new office, I will identify priorities to move forward and address those priorities systematically," he said.

Gravett said the one thing that won't change with his department is the previous secretary's focus to serve veterans.



"Our challenge is to give out the best service we can to veterans," he said.

Gravett said he plans to visit the William J. "Pete" Knight Veterans Home in Lancaster to meet the leadership there and meet the veterans.

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VA partners with Easter Seals to train family caregivers of wounded warriors

Officials from The Department of Veterans Affairs and Easter Seals formally announced a partnership to provide comprehensive caregiver training to family caregivers of eligible post-9/11 veterans, as authorized by the Caregivers and Veterans Omnibus Health Services Act of 2010.

"We at VA are committed to providing the family caregivers who share our sacred duty to care for those 'who have borne the battle' with the best services available," said Secretary of Veterans Affairs Eric K. Shinseki. "We are very pleased to partner with a renowned organization such as Easter Seals in developing the best possible training program for family caregivers. Throughout its long history, Easter Seals has demonstrated its strong commitment to supporting our Nation's Military, Veterans and their families."

"Easter Seals is proud to share our expertise and knowledge with this important group of family caregivers, taking care of loved ones who returned home with serious injuries after their post-9/11 service to our nation," said James E. Williams Jr., the president and chief executive officer of Easter Seals. "We are honored to help these Veterans and their families."

Starting today, family caregivers and veterans

can apply for services authorized under a VA interim final rule that was published May 5. Eligible family caregivers of eligible post-9/11 veterans will receive comprehensive training developed by Easter Seals in collaboration with VA clinical experts. It is part of a package of new services that also includes a monthly stipend, mental health services and access to medical care under the Civilian Health and Medical Program of the Department of Veterans Affairs, if the primary family caregiver is not entitled to care or services under a health plan contract.

Easter Seals has been helping people with disabilities and special needs, and their families, live better lives for more than 90 years. From child development centers to physical rehabilitation and job training for people with disabilities, Easter Seals offers a variety of services to help people address life's challenges and achieve personal goals.

Family caregivers of eligible post-9/11 veterans will have a choice of how to receive their training. Options will include traditional classroom training, online learning or a correspondence course. All family caregivers will be expected to complete training as part of the preparation to start

receiving other services under the new program. The first training courses are expected to start in June, and monthly stipends, which are backdated to the day applications are formally submitted, could begin as early as July.

Veterans may download a copy of the family caregiver program application at www.caregiver.va.gov. The application enables the veteran to designate a primary family caregiver and secondary

family caregivers. Caregiver support coordinators are stationed at 153 VA medical centers and are available by phone at 877-222-8387 to assist veterans and family caregivers with the application process.

Caregivers of veterans from all eras are also encouraged to use the website and support line to explore more than two dozen other services VA provides for caregivers.

Veteran business conference Aug. 15-18

More than 3,500 leaders from Veteran-Owned Small Businesses And Service Disabled Veteran-Owned Small Businesses, government contractors, and federal agencies are expected to attend the National Veteran Small Business Conference, Aug. 15-18 in New Orleans. Hosted by the Department of Veteran Affairs, this is the largest nationwide conference of its kind.

Sessions at the conference will be divided into the following three tracks:

- Starting a Veteran-Owned Small Business—An introductory level of courses on starting and laying the foundation for your Veteran-owned small business. Highlights include: GSA Scheduling and Beyond, How to Become a Verified VOSB/SDVOSB, and Getting My New Veteran-Owned Business Off the Ground.
- Doing Business with the Government—An intermediate to advanced level of courses about growing your small business by tapping into an amazing network of prime government contractors and federal government agencies. Highlights include: DOD and DHS Acquisition Forecasts, How to Do Business with Prime Contractors, and Subcontracting Rules of Engagement for Small Businesses.
- VA Open House: Veteran Benefits—This track showcases the many benefits available to Veterans and their families. Attend, watch, and participate in sessions that provide insight and support for these benefits programs.

For more information, visit <http://www.nationalveteransconference.com/>.

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Los Angeles AFB RAO open to all retirees

The Los Angeles Air Force Base Retiree Activities Office is located in Bldg. 272, Room C1-204.

The office is open 9 a.m.-2 p.m., Monday through Friday.

Retirees can contact the office by phone at (310) 653-5144 or via email at rao@losangeles.af.mil.

Bldg 272, Room C1-204

While the office is located at Los Angeles AFB, its services are available to all retirees regardless of service branch.

"The RAO is an advisory function manned by volunteers and is a focal point for providing information and guidance to military retirees of all services, their family members and/or survivors," said an office release. "Our volunteer are here to assist you in whatever way we can."

Issues the office can help with include:

- Veteran's Benefits
- Identification Cards
- AF Aid Society
- TRICARE/Retiree Dental
- VA Disability Claims
- Educational Matters
- Air Force Enlisted Village
- Medicare/Medicaid
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- Social Security
- Retiree Pay Matters
- Community Programs
- Armed Forces Retirement Home
- Space Available Travel
- Survivor Benefits Program

Living history even to feature Ploesti raids

“The Ploesti Raids – Striking the Lifeblood of the German War Machine” will be the subject of the monthly Living History Flying Event hosted by Planes of Fame Air Museum at the Chino Airport June 4.

The event begins at 10 a.m. with a seminar describing the American strategic bombing campaign against the primary source of Germany’s oil during World War II and conclude with a flight demonstration by a Planes of Fame Air Museum warbird.

With the Romanian oil fields at Ploesti being the main source of petroleum and lubricants needed to fuel Nazi Germany’s war machine, they were obviously a prime target for Allied bombers in World War II. In fact, one of the first American strategic bombing missions of the war was an attempt to bomb the Ploesti oil fields with 14 four-engined B-24 Liberators on June 11, 1942. Unfortunately, that raid caused very little actual damage, but did put the Germans on alert to the potential danger. When the Americans finally launched a big raid, code name “Tidal Wave,” with 178 Liberators on Aug. 1, 1943, the Germans and their Romanian allies were prepared and 55 of the bombers were lost.

Within a few months, damage to the oil facilities were being repaired, necessitating a major campaign in the spring

and summer of 1944 that finally put the oil fields out of action at the cost of 350 more bombers.

An independent, non-profit institution dedicated to preserving the history and artifacts of aviation, Planes of Fame Air Museum was the first permanent air museum in the Western United States and a pioneer in the concept of restoring historic display aircraft to flying condition. Staffed primarily by a core of dedicated volunteers, the museum supports its operations with donations, admission fees, facilities rentals and proceeds from the use of its aircraft in various productions.

Planes of Fame Air Museum also has a special membership program available to the public, with one of the advantages of membership being the opportunity to experience orientation flights in genuine warbirds. At each monthly Living History Flying Event, members in attendance can have their names entered into a drawing for a free warbird orientation flight.

Planes of Fame Air Museum is open to the public 10 a.m.-5 p.m., Sunday through Friday, 9 a.m.-5 p.m., Saturdays. It is closed Christmas and Thanksgiving Days.

For more information, call (909) 597-7576, or visit the Planes of Fame Air Museum website at www.planesoffame.org.



Courtesy photograph

The Planes of Fame Air Museum’s B-25J Mitchell bomber will fly at the Chino Airport during the museum’s Living History Event June 4.

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JPL hosts huge open house

by Rebecca Amber
staff writer

Over the weekend of May 14-15, approximately 38,000 people visited “the Center of the Universe” when NASA’s Jet Propulsion Laboratory hosted its annual open house.

The general public was invited to see first-hand the latest and greatest technology used for inter-planetary exploration at JPL.

The event was so popular that the lines for various exhibits resembled those at the famous theme park, less than 50 miles away, Disneyland.

Stephanie Smith, Social Media Specialist for the Media Relations Office commented, “It’s like Tomorrow Land, but we have the real things—Mars rovers, inter-planetary spacecraft, churros—we’ve got it all.”

JPL is a research and development facility for solar-system exploration and education. The facility, located in Pasadena, Calif., is managed by the California Institute of Technology for NASA and is federally funded.

One of this year’s most notable displays was a walk-through featuring the Mars Space Laboratory, which has been christened Curiosity. Curiosity is the latest Mars rover, scheduled to land on the red planet in August 2012. The rover is crafted to look and operate much like a living organism. It is equipped with a strong body, six independently powered wheels for mobility and a long “neck and head.” Attached to the head are cameras and other instruments allowing it to record and send data from the mission as well as take photographs from a human-scale view. Curiosity is 10 feet long (not including its arm which adds an additional seven feet to its reach), nine feet wide and seven feet tall. It weighs around a metric ton and is equipped with a geology lab, rock-bogie suspension and rock-vaporizing laser.

What made this display so signifi-



The Deep Space Operations Center has been staffed 24/7 since 1964 to monitor the activity of all 19 currently active planetary probes that are controlled by JPL.

cant is that it was the last opportunity for the public to view Curiosity before its launch. The rover’s mission is to search for areas capable of sustaining life on Mars, and will spend 23 months (one Mars year) completing this task, although, this projection is just an estimate. Twin rovers Spirit and Opportunity were designed for a three-month mission and actually lasted more than four years.

Meanwhile, a fraction of a light-year away, visitors learned about other current and future inter-planetary probes.

The probes have many different missions, one of which is studying comets. Deep Impact which, explored Comet Temple I in 2005, has since been re-targeted for two additional missions, Comet Harley II and the Extrasolar Planet Observation and Characterization (EPOCh) mission. EPOCh is a mission dedicated to the search for planets outside of our solar system.

Returning to Comet Tempel I this year to see if there have been any changes to the nucleus since Deep Impact’s 2005 encounter is Stardust NExT. Stardust’s original mission was to fly past Comet Wild 2 in 2004 prior to becom-

ing Stardust NExT.

“We needed to wait for [Comet Tempel I] to go around the sun again,” said Don Sweetmal, deputy project manager for Stardust NExT. “And we’ll look again to see what changes had occurred during its orbit around the sun.”

In 2007, the spacecraft “Dawn” was launched to visit two of the largest bodies in the asteroid belt that lies between the orbits of Mars and Jupiter.

The first will be the protoplanet Vesta (the orbit is scheduled from August 2011 to May 2012), which eons ago was involved in a titanic collision with another orbiting body; the debris from this collision continues to rain down on earth as meteorites, some of which were on display.

It then moves to the dwarf planet Ceres, which is larger and more closely resembles the icy moons of some of the outer planets. Ceres’ orbit is scheduled from February 2015 to July 2015.

Another comet-bound probe, Rosetta, is a European Space Agency craft that is being controlled by JPL.

Rosetta is scheduled to land on the comet Churyumov-Gerasimenko (“C-G”) in 2014. At that time, she will drop

a lander, named Philae onto the surface of the C-G’s nucleus. Two “harpoons” will be fired into the comet’s surface to prevent the lander from bouncing off due to the comet’s low gravity.

Just two years later in 2016, Juno is scheduled to make the next mission to the giant planet Jupiter (the last mission was completed by Galileo). For this particular mission, the focus is the planet itself, rather than the planet’s collection of moons. More specifically, it will map the planet’s gravitational and magnetic fields.

But just because Juno won’t be studying any moons doesn’t mean there won’t be moon exploration. Continuing study of our own moon, GRAIL, Gravity Recovery and Interior Laboratory, will launch in September 2011.

GRAIL is made up of twin spacecraft which will orbit the Moon 50 kilometers above its surface in tandem orbits. The orbits will take place 200 kilometers apart and will map the Moon’s gravitational field to a high degree of accuracy.

Also featured at the open house were displays about several legacy missions including Voyager and Cassini.

Before any mission is launched, it must make one final stop at the Environmental Space Laboratory, which will do a full operational space simulation to test the vehicle and instruments prior to launch.

JPL’s 25-foot space simulator vacuum chamber was built 1961 and later

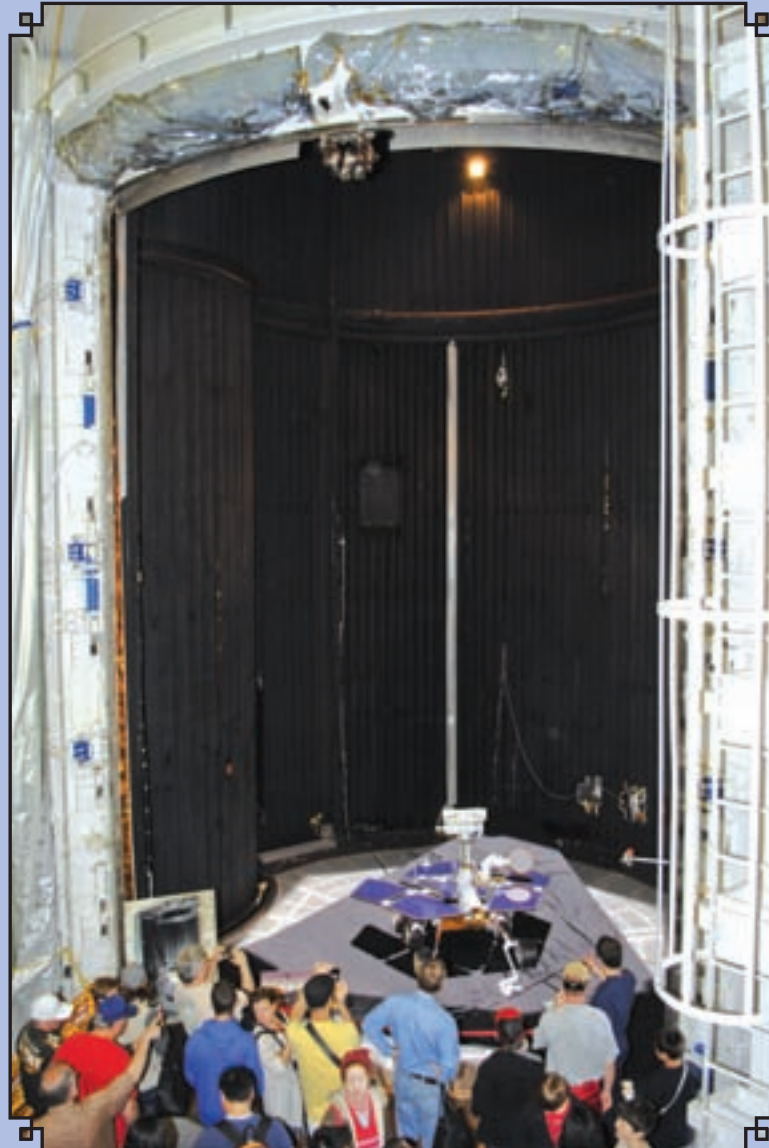
marked a national landmark in 1985. The simulator is equipped with lamps that can simulate the extremely bright light of the sun using up to 1.1 million watts of power.

“We have the most uniform solar reflectance of any chamber in the world,” said Keith Fields, test engineer for the Environmental Space Laboratory.

While it was the last opportunity for the public to see Curiosity before its launch, it was the first opportunity the public has ever had to enter the Deep Space Operations Center rather than viewing it from the balcony above.

DSOC is less formally referred to as the “Dark Room” by the scientists at JPL. The Dark Room, which has been staffed 24/7 since 1964, monitors the activity of all 19 currently active planetary probes that are controlled by JPL. After data is collected by the probes, it is sent via the three Deep Space Network relay stations, located in Goldstone, Calif., Canberra, Australia, and Madrid, Spain, to the DSOC. The information is then sent out to engineers and scientists all over the world and archived for permanent use.

Flight Operations Engineer for JPL, Jim McClure quoted Director of JPL, Dr. Charles Elachi, as saying, “All data from inter-planetary spaces comes through this room, therefore this room is the ‘Center of the Universe.’”



Before any mission is launched, it must make one final stop at the Environmental Space Laboratory, which will do a full operational space simulation to test the vehicle and instruments prior to launch.



Photographs by Rebecca Amber

Over the weekend of May 14-15, approximately 38,000 people visited NASA’s Jet Propulsion Laboratory during its annual open house.

June 3-4—Educator Workshop: Water Cycle, Ocean Circulation, Climate, Pasadena, Calif.
www.jpl.nasa.gov/education/index.cfm?page=266
 June 4—Chinese/Soviet Space Program Symposium, London, United Kingdom
www.bis-space.com/2011/03/16/1511/call-for-papers-chinesesoviet-symposium
 June 5-7—Workshop: Frontier Science Opportunities with the James Webb Space Telescope, Grand Teton National Park, Wyo.
www.stsci.edu/institute/conference/jwst2011
 June 5-8—International Workshop on Warm Dense Matter, Pacific Grove, Calif.
www.lbl.gov/conferences/wdm/
 June 5-8—Seminar: Extrasolar Planets—Towards Comparative Planetology Beyond the Solar System, Bad Honnef, Germany
www.dlr.de/pf/desktopdefault.aspx/tabid-6947/11469_read-26676/
 June 5-10—2nd Workshop on Robotic Autonomous Observatories, Malaga, Spain
<http://arae.iaa.es:8000/malaga-2011/>
 June 5-10—8th International ESA Conference on Guidance and Navigation, Carlsbad, Czech Republic
www.congrex.nl/11a01/
 June 6—Jet Propulsion Laboratory Tweetup
www.jpl.nasa.gov/news/news.cfm?release=2011-125
 June 6-9—GREAT-ESF Workshop: QSO Astrophysics, Fundamental Physics, and Astrometric Cosmology in the Gaia Era, Porto, Portugal
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 June 6-9—MHD and Kinetic Processes in Laboratory: Space and Astrophysical Plasmas Workshop, Beijing, China
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 June 6-10—8th International Planetary Probe Workshop, Portsmouth, Va.
<http://planetaryprobe.org/joomla/>
 June 6-10—3rd Workshop on Solar Influences on the Magnetosphere, Ionosphere and Atmosphere, Sozopol, Bulgaria
www.stil.bas.bg/WS-sozopol/
 June 6-10—8th Serbian Conference on Spectral Line Shapes in

Astrophysics, Divcibare, Serbia
www.sclsa.matf.bg.ac.rs/
 June 6-10—11th Workshop on Non-Perturbative Quantum Chromodynamics, Paris, France
www.physics.brown.edu/HET/PARIS2011/Conference.html
 June 6-10—2nd Remote Sensing of the Inner Heliosphere Workshop, Aberystwyth, Wales, United Kingdom
<http://heliosphere2011.dph.aber.ac.uk/>
 June 6-10—Summer School in Statistics for Astronomers VII, University Park, Penn.
<http://astrostatistics.psu.edu/su11scma5/>
 June 6-17—ICTP Summer School on Particle Physics, Trieste, Italy
<http://users.ictp.it/~smr2244/>
 June 7-10—International Conference: Astroparticle Physics, Gravitation and Cosmology, Kyiv, Ukraine
<http://gravcos.kiev.ua/>
 June 8—Lecture: Dark Energy and the Ever-Expanding Universe, Winchester, United Kingdom
www.intech-uk.com/folders/visitor_info/events/space_lecture_series.cfm
 June 8-10—International Workshop of Planning and Scheduling for Space, Darmstadt, Germany
www.congrexprojects.com/11c05/
 June 8-10—3rd Workshop On Directional Detection Of Dark Matter, Aussois, France
<http://lpsec.in2p3.fr/Indico/conferenceDisplay.py?confId=466>
 June 8-10—Chalonge CIAS Workshop: Warm Dark Matter in Galaxies—Theoretical and Observational Progresses, Chateau de Meudon, France
www.chalonge.obspm.fr/Cias_Meudon2011.html
 June 8-10—24th Space Cryogenics Workshop, Coeur d'Alene, Idaho
www.spacecryogenicsworkshop.org/
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www.lpi.usra.edu/meetings/volatiles2011/
 June 13-15—Meeting: An Assessment of NASA's Aeronautics Flight Research Activities, Washington, D.C.
www8.nationalacademies.org/cp/meetingview.aspx?MeetingID=5278
 June 13-16—Workshop: Very Wide Field Surveys in the Light of Astro2010, Baltimore, Md.
www.stsci.edu/institute/conference/verywidefield/
 June 13-17—2nd CoRoT Symposium: Exploring Planet Diversity and Stellar Music, Marseille, France
<http://symposiumcorot2011.oamp.fr/>
 June 13-17—6th Annual International Conference on Numerical Modeling of Space Plasma Flows, Valencia, Spain
www.uv.es/ASTRONUM2011/
 June 13-17—Conference: Statistical Challenges in Modern Astronomy V, University Park, Penn.
<http://astrostatistics.psu.edu/su11scma5/>
 June 13-17—Conference: Advances in Computational Astrophysics—Methods, Tools and Outcomes, Sicily, Italy
www.oa-roma.inaf.it/meetings/cefalu/2011/Home.html
 June 13-17—Training School: Astrochemistry with ALMA, Bologna, Italy
www.alma.inaf.it/index.php?option=com_content&view=article&id=118:astrochemistry-with-alma&catid=40:meetings&Itemid=58
 June 14-16—Meeting: Planetary Protection Standards for Icy Bodies in the Outer Solar System, Irvine, Calif.
www8.nationalacademies.org/cp/meetingview.aspx?MeetingID=4949



Where have salutes gone?

by Capt. Joseph Coslett
Joint Base Elmendorf-Richardson, Alaska

During an Airman Leadership School graduation at a previous assignment, a Navy senior chief gave a motivating speech to challenge the leaders of tomorrow. This was quickly followed by the introduction of the “dead fish.”

The installation commander gave the Levittow Award and other academic and professional awards for excellence, but the comments following the ceremony were about the commander’s dead fish salute. The question I had the pleasure of answering was, “How come a colonel does not know how to salute properly?”

The event opened my eyes to seeing many officers and enlisted alike avoiding salutes or giving unprofessional versions. I’ve seen the dead fish salute, the “Hey, how you doing?” salute, the quick tap, the half salute, the leaning salute and others. Maybe this is because I went through two different basic trainings, basic military training and officer training school, at which I learned how to salute. If I did not salute properly, I was immediately corrected.

Last time I checked, our last core value is “excellence in all we do.” This means we should always strive to look professional and have on our game face. As an important custom and courtesy, the salute deserves no less attention, especially at the higher ranks.

In another case, I recently had the pleasure of experiencing an officer, who was leaning on a truck, actually salute me from a slouching position. He showed me the ever-so-popular “Hey, how you doing?” salute, which starts at about the shoulder and ends in a “hi” gesture. He never returned the mutual respect—saluting should be automatic, not an afterthought.

The history of the salute varies, but one story dates back to the days of the kings and knights when it was customary for knights dressed in armor to raise their visors to friends for the purpose of identification. Another version states that



British navy junior officers would uncover when addressing a senior. Gradually over time, the removal of the cap evolved into merely touching the cap, or if uncovered, the head, and finally into the salute.

Saluting is one of the oldest military traditions. It is a courtesy exchanged between service members when greeting and a symbol of mutual respect. The salute steps are simple and if performed correctly look professional.

- Extend and join the thumb and fingers
- Raise the right hand smartly until the tip of the forefinger touches the lower part of the headgear or forehead above and slightly to the right of the eye
- Turn the palm slightly inward until the person saluting can just see its surface from the corner of the right eye

- The upper arm is parallel to the ground; the elbow is slightly in front of the body
- Incline the forearm at a 45 degree angle; hand and wrist are in a straight line
- Complete the salute after it is returned by dropping the arm to its normal position in one sharp, clean motion.

I challenge you to not let complacency set in, and to salute properly. It only takes seconds out of your day, but it is a representation of who you are. Are your people worth it? Are your fellow professionals worth it? Think about when our heroes pay the ultimate sacrifice and our outstanding honor guards render the proper salute to the member and the flag. You work with heroes every day. Are they worth it? Are they worth your time?

For more guidance on rendering salutes, see Air Force Instruction 34-1201, Chapter 8.1.

Change what?

by CMSgt. Jeffrey Hall
Patrick AFB, Fla.

From fatigues to BDUs to ABUs. From Air Force regulations to Air Force instructions.

Today Strategic Air Command, tomorrow Air Combat Command, the next day Air Force Space Command, the next week brings about the birth of Global Strike Command.

From missile wings to space wings and back to missile wings again. From the loose and virtually effortless physical training test requirements levied on us yesterday, to the rigor and discipline required to achieve a passing score today.

You should all remember the recent high year of tenure changes that affected so many of our fellow airmen (which was actually a return to what they were just a few years ago). And end strength fluctuations—I’ve seen them several times over. This sums up just a few of the larger-scale changes I’ve experienced during my time in uniform.

There’s no doubt there are a number of factors that could drive the require-

ment to make a change in any given area. Some may seem somewhat fuzzy when imposed, but gain much greater focus when you look in the rearview mirror, while on the other hand you may never be satisfied with the answers you get as you ask the question “why,” or even as you perform your own independent research.

In my experiences, I could clearly understand the logic and rationale behind some, while others only compelled a complete furling of the brow and scratching of the head. At the end of the day though, decisions were made, change was implemented, and it was (and still is) up to each individual where he or she fits into the whole change management effort.

No matter how unique or individualized you may feel as a person, as an airman, or within your Air Force Specialty Code, in the Air Force we move about as a team. This concept has been a staple of our success time and time again, so as change on many different scales will surely continue to affect our execution, we must be resilient, aid with implementation and adapt accordingly.

For those who haven’t accepted that yet, I’d suggest making it your next change.

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The ONLY personnel eligible to place free ads in the Aerotech News-Los Angeles Edition are:

- Active Duty Military and DoD personnel Stationed at Los Angeles AFB and their dependents, and retired military.

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- Roommate Wanted
- Lost & Found
- Cars & Trucks (Except RV's)
- Furniture & Appliances
- Misc. For Sale
- Garage & Yard Sales
- Motorcycles
- Misc. Wanted

All other categories are paid.

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- | | | |
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| • Loans | • Mobiles For Rent | • Condos For Rent |
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| • Business Opportunities | | |

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- Motorcycles
- Misc. Wanted
- Roommate Wanted
- Rooms For Rent

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