

Astro News

'Just incredible' SMC Titan IVB puts NRO satellite into orbit

Capt. Colleen Lehne
Public Affairs

With "enough noise to wake the dead" an Space and Missile Systems Center-procured Titan IVB rocket carried a classified National Reconnaissance Office satellite into orbit from Space Launch Complex 4 East at Vandenberg AFB, Calif., Aug. 17.

A few minutes after lift-off, the NRO confirmed that the launch and payload separation were successful. The rocket was visible across a wide area of California as it rose over the Pacific at 4:45 p.m.

The launch occurred after a 24-hour delay last week. The slip resulted after a failed routine processing test of the flight batteries. However, the launch team was able to quickly isolate the failed components, test the back-up equipment and make the necessary replacements in order to turn around a fully functioning launch system.

"We had a very experienced team on hand to troubleshoot the problem, which enabled us to overcome this delay. The contributions by our SMC detachments, Air Force and Aerospace team are absolutely critical for our mission's success," said Col. Mike Dunn, Launch Programs director.

The complexities involved in accomplishing a successful launch require bringing many players onto the team – including SMC/CL, SMC Det. 9, 30th Space Wing, NRO, Lockheed Martin and The Aerospace Corporation.

"The launch team is as proud and thrilled as I am to have contributed directly to the defense of our country—and we'll continue to do so whenever called upon," Dunn said.

Hundreds of spectators crammed into their vehicles to reserve their space at the best viewing areas at Vandenberg – the dirt roads that weave near the ocean shores on base. Expectations were met when the rocket blasted off right on time creating quite a display a smoke, flames and sound.

"This was an incredible launch to watch. What a great day for military space," said Dunn. "No matter how many of these launches I see, I still get the same adrenaline rush and feeling of awe. What a gorgeous launch!"

The last Titan IV launch took place May 8 from Cape Canaveral Air Force Station, Fla., as it successfully lifted a Defense Support Program satellite into orbit. The next Titan IV launch is scheduled for this fall.

Built by Lockheed Martin Corporation, the Titan IV is the nation's largest unmanned rocket.



Photo by Airman 1st Class Amanda Edwards

A Titan IVB escapes from its launch pad at Vandenberg AFB Aug. 17 carrying an NRO satellite.

SMC Det. 9: Out of sight, not out of mind

Capt. Colleen Lehne
Public Affairs

Ensuring the nations space assets lead the world in cutting-edge technology is no easy task, and doing so requires expert SMC personnel spread all across the nation – from California to New Mexico, Colorado, Texas and Florida.

An often overlooked SMC organization is Detachment 9, located at Vandenberg AFB, Calif. While their existence may go unnoticed by some, the benefits of their mission are reaped by many.

With roughly 100 people assigned, Det. 9 is SMC's single face to its Air Force Space Command counterparts at Vandenberg AFB. That means whenever SMC leaders have an issue relating to one of the launch ranges, launch vehicles or payloads, they work towards resolution by relying on the Det. 9 professionals.

Divided into three sections, Vandenberg Launch Systems, Western Spacelift Range SPO and Test Integration and Launch Division, Det. 9 reports directly to the SMC

commander on issues impacting upcoming launches from Vandenberg. Doing so requires communication between parties such as the AFSPC 30th Space Wing, 14th Air Force, National Reconnaissance Office, NASA, contractors and other spacecraft customers. For example, CLV has its hand in every aspect of preparing a vehicle and payload for launch.

"We have a very high ops tempo here," said Robert Irwin, Vandenberg AFB Launch Systems director. "With less than 30 people, I've got to ensure each launch has qualified eyes watching every move of the processing flow."

Irwin's staff must be prepared to report on and help resolve any issue affecting launch vehicle or spacecraft processing, integration and the ultimate launch. This requires a detailed knowledge of the processing flow and critical procedures.

Initial planning efforts begin about one year out and continue through launch, Irwin said. Therefore, many times one person is filling a position for several launches at a time.

The Launch Readiness Manager for the Titan IV launch

on Aug. 17 was 1st Lt. Perry Meixsel who will fill the same role for the next NRO launch scheduled for the spring of next year. Meixsel was the on-scene focal point for SMC during the launch.

"Anyone who has worked in the launch business realizes unique and unpredictable issues can and do arise for each launch," he said. "One issue I had to work for the Titan IV launch involved resolving a safety dispute on whether to man visual equipment at the tracking stations located near the pad. I think having face-to-face communication allowed quicker resolution."

Without Det. 9 in place, most of these issues would have to be resolved over the phone, e-mail or by video teleconference at best. "That's why the role of the LRM is so important," said Irwin. "The position should really be filled by a senior captain or major since my LRM is leading a team that often times has outranking members. I focus on training and then put the talent where the talent is needed – and my folks are doing an awesome job," he said.

The LRM for the late September Titan II launch car-

– See DET. 9, Page 11

Deployments are a way of life in Air Force

Lt. Col. Ed O'Dell

88 CS/CC Wright-Patterson AFB, Ohio

It seems there are always people who just don't get it. I'm referring to those few who don't understand that we members of the United States Armed Forces are employed in a special calling that entails unique requirements – such as the requirement to deploy wherever in the world the National Command Authority directs.

Recently two situations made clear to me how out of touch some folks are. In one case, the officer in charge of a duty section sought to exempt all the people in his section from any deployment. The reason? The section's mission was too important for them to be spared. The other case involved several NCOs who found out they were at the top of the list for the next deployment—and immediately headed to the base hospital to seek a medical waiver so they wouldn't have to go.

In the first instance, the OIC seems to suffer from a case of “the inflated-opinion-of-my-section's-importance syndrome,” while in the other case, the NCOs are afflicted with “anyone-else-but-me-itis.”

These afflictions are all too common — individuals who believe they or their missions are too special or important or fragile to meet what is arguably one of the most basic demands of military life, deployment. A recent Air Force Times article stated that according to Secretary of the Air Force Whit Peters, the average airman

can expect to deploy less than in the recent past, and the burden of being sent away from home will be shared more equitably under the Expeditionary Air Force concept (my emphasis). Unfortunately, the equitable distribution of the deployment burden is undermined when duty sections or individuals seek exemption from participation.

Everyone and every section is expected to shoulder a fair share of the deployment burden. If one individual obtains an exemption based on some suddenly discovered physical disability (and it's amazing how often one

of these comes to light just when someone receives a deployment notice), someone else – perhaps a recent returnee – must go in his or her place. Where is the fairness in that?

There are Air Force members who seem to believe they joined the military solely for an assignment to a single stateside location – usually close to home. Anything else, particularly deployment, is not included in their plans. Rather than serving in the Armed Forces, these folks ought to be working for a hardware store or fast food restaurant in Hometown, U.S.A.

Then there are those who feel their unit or duty section can't possibly spare a body for deployment. Their mission is just too important. Well, things are tough all over. If all the units with important missions were exempt from deployment, no one would be available! Rest assured, if the mission is important, it will be accomplished—even with one or two of your people deployed overseas.

What a poor example these men and women set for our junior personnel. We shouldn't be demonstrating how to get out of deployments. Rather, through our words and actions, we should be encouraging our people to seek opportunities for deployment where they'll get some of the best training and experience of their entire Air Force career – and have the opportunity to contribute to missions as important to the national interest as any mission at home.



Photo by Staff Sgt. Mark Diamond

Eskan “NightWatchers” Airman 1st Class Brian Wical, left, and Staff Sgt. Scott Whitteker, provide night security at Eskan Village, Saudi Arabia, while deployed from Laughlin AFB, Texas.

Action line 363-2255

The Action Line is your direct link to Col. David E. Price, 61st Air Base Group commander. Its purpose is to make Los Angeles AFB a better place to live and work. Below is a list of people to call if you have any issues that need to be addressed.



Base Exchange – David Clore 640-0129
Base IG – Lt. Col. John R. Woodcock 363-0802
Chaplain – Lt. Col. Gary Garvey 363-1956
Civil Engineering –
 Lt. Col. William Saunders 363-0287
Commissary – Al Cherry 363-6140
Comm. Sqd. – Lt. Col. Lori L. South 363-0798
Equal Employment Opportunity Program Office –
 Leonard Gonzales 363-1565
Family Support Center – Tom Sanders 363-5365
Fraud, Waste and Abuse Hotline 363-2020
Housing – Jon M. VanHoose 363-8340

Logistics – Capt. Tam Elliott 363-0351
Medical – Col. Mark Wisniewski 363-5005
Mission Support –
 Lt. Col. Maureen Hurley 363-1230
Privacy Act/FOIA – Jesusa Cruz 363-2576
Security Forces – Maj. Lyle W. Cary 363-0032
Services – Gary Van Dusen 363-0430
Military Equal Opportunity Office –
 Capt. Elizabeth Vallery 363-2806
TRICARE 363-0261
24-hour Crime Stop 363-2124
Legal Office – Col. Scott Bagley 363-0916
Area Defense Counsel –
 Capt. Art Kirkpatrick 363-6776

Party guests are just too loud

Q: Mac Hall hosts lots of weddings and other celebrations on the weekends. I don't mind them celebrating,

but what I do mind is that they tend to get out of control after midnight. There's lots of noise and off-base guests have no respect for residents. Several of the lights aren't working and it's pitch black outside, which makes it even worse. There is a lot of loitering and the noise makes it difficult when you have to get up early the next morning. I understand that parties are meant to be fun and I'm all for that, but it's simply too much when it's loud after midnight with people outside hanging around drinking. I just want this to be taken into consideration, please.

A: I understand your concern about maintaining late hours at Mac Hall. The outside areas around Mac Hall are not intended as places for congregating before, during or after events. We've looked at the issues of scheduling and monitoring events and concluded that Mac Hall should close at midnight. Services staff will work with event sponsors to ensure the noise is kept to a minimum.

Astro News

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Editorial policy

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tor of the purchaser, user or patron.

For advertising information or space reservations, call Gail at (661) 945-5634.

Submit articles to:

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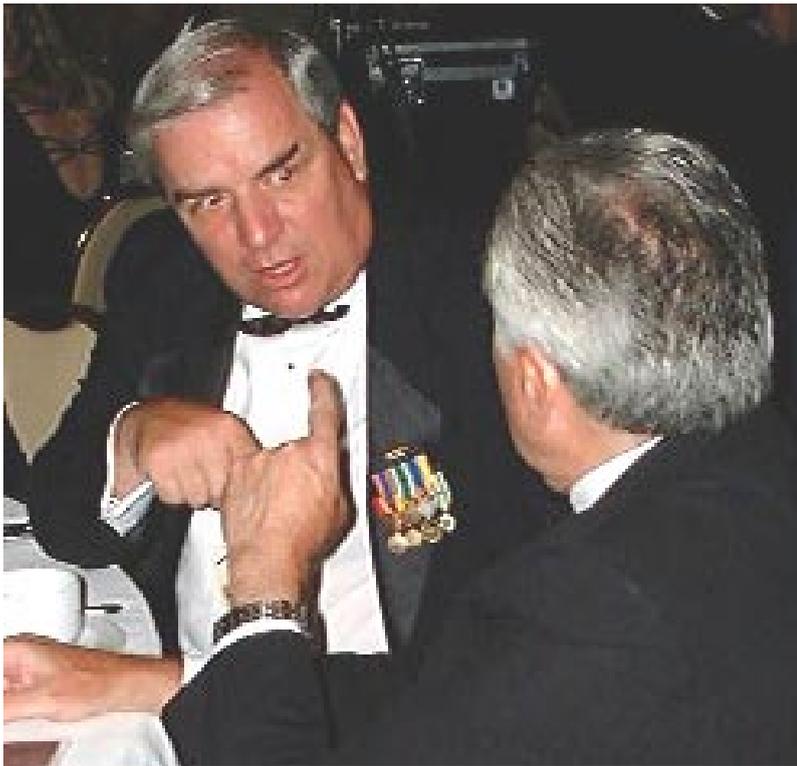
OR

**Call 363-0303 for more
 information.**



'Stars' shine bright at SMC Dining Out

Clockwise from right: Capt. Bo Bloomer from 61st ABG Civil Engineers prepares to read his response to a violation of the mess. Guest Speaker, the Honorable Gil Decker, vice president of Walt Disney's Imagineering Division, chats with Mamie Lew, wife of U.S. Federal Judge Ron Lew during the dinner. Maj. Arnie Streland of the Space Based Laser project management office gets ready to deploy a model rocket as his wife Liz looks on. Second Lt. Scott Schweitzer from SBIRS Low prepares the grog with direction from Mr. Vice, Capt. Gerry Gleckel. Rep. Steven T. Kuykendall of the 36th Congressional District talks "space" with the Honorable Jaimie Oaxaca, CEO of the U.S. Space Foundation. (Photos by Tech. Sgt. Tim Dougherty.)



News Briefs

AFAS won't pay deductibles

The Air Force Aid Society has announced that it will no longer provide assistance to pay car insurance deductibles. For more information on this change, contact the Family Support Center at 363-1121.

Visitor Control changes hours

The Visitor Control Section will have a permanent change in operating hours effective Tuesday, Sept. 5. The new hours will be from 7 a.m. to 4 p.m. If a large group is being hosted, contact the Visitor Control Section at 363-0040 to pre-announce the visitors to the VCS so badges can be ready for pickup at Gate 1 when the visitors arrive.

Weekly health tip from HAWC

Our bodies need vitamins and minerals to function properly. Your best bet to meet the Recommended Daily Allowances of vitamins and minerals is to consume a diet consisting of a wide variety of foods from all 5-food groups: grains, fruits, vegetables, dairy and meat/meat substitutes. Food (not supplements) is always your best source of nutrients and there is no substitute for a healthy diet! For more information, call the Health and Wellness Center at 363-6266. A variety of programs are available to help you eat a healthy, balanced diet.

AIAA Space Conference set for Sept. 19-21

Ronea Alger
Public Affairs

The Space and Missile Systems Center will co-host the American Institute of Aeronautics and Astronautics Space 2000 Conference and Exposition Sept. 19-21 at the Long Beach Convention Center in Long Beach, Calif. Lt. Gen. Eugene Tattini, SMC commander, will be joined with James Albaugh, senior vice president, The Boeing Company, Space and Communications, and Dr. Edward Stone, center director, NASA Jet Propulsion Laboratory. Together they will gather top military leadership to discuss the future of the military in space.

"If you are interested in what the future holds for our military in space, the new missions it will face, the new technologies that will emerge, then AIAA SPACE 2000 is a conference you must attend," said Col. William Gardner, director of SMC Developmental Planning. "I encourage everyone to join the leaders of the military community as they discuss these issues and develop a vision for the future of the military in space."

This conference will examine a broad set of issues impacting not only the future in military space, but also the civil and commercial space areas as well. The program features keynote speakers such as Astronaut and former Sen. John Glenn, Dr. Sheila Widnall and Larry Ellison, chief executive officer, Oracle Corporation

In addition, there will be several moderated general sessions engaging the leaders of space in candid open dialog,

a diverse technical program with 84 sessions and more than 280 technical papers and panel discussions. These discussions will feature key military space issues such as Commercial Achievements and Plans for Exploiting Commercial Opportunities, Air and Space Integration, Future of Military Space Systems and National Missile Defense.

Leaders of space will include: Rudy deLeon, deputy secretary of Defense; Keith Hall, assistant secretary of the Air Force/Director NRO; Gen. Ralph E. Eberhart, commander in chief, U.S. Space Command; Gen. Lester L. Lyles, commander, Air Force Materiel Command; Lt. Gen. Ronald T Kadish, director, BMDO.

Full registration for the conference is \$635, but AIAA is offering a reduced rate of \$225 per person to any large government group who registers no less than 100 people by Sept. 8. Each program office has designated a point of contact who will register internal personnel.

The large government group advanced purchase conference registration fee includes attendance at all conference plenary and technical sessions and attendance at exhibits and receptions Tuesday and Wednesday evenings.

The registration fee does not include luncheon tickets. AIAA will match a limited number of luncheon tickets purchased with complimentary tickets. Luncheon tickets are \$30 per person per day. These will be distributed on first come, first served basis, so register early.

To register for the conference, contact your office AIAA designated representative. For complete program details, visit the AIAA website at aiaaspace2000.cal.boeing.com.

Bordelon set to take top civilian post at Edwards AFB

Hap Parker
Public Affairs

Les Bordelon, Senior Executive Service, is leaving Space and Missile Systems Center in mid September.

After six and a half years at the helm of SMC's Systems Acquisition Directorate, Bordelon heads for nearby Edwards AFB, Calif., where he will become the Executive Director of the Air Force Flight Test Center.

"The job I'm going to at the Air Force Flight Test Center is very similar to the other executive director positions in AFMC," Bordelon said. "I will be the commander's second in command and the number one civilian at the center. That is similar to Bill Maikisch's executive director position here at SMC."

Bordelon arrived at SMC in January 1994 from the Ballistic Missile Organization at Norton AFB, Calif., where he served as chief of program management and engineering. He has bachelors and masters degrees in electrical engineering and his background and experiences span program management, engineering and test activities.

"Now, in my job here, I serve as functional manager for program management, engineering, acquisition logistics, acquisition security, safety and acquisition civil engineering. As the functional manager, I am responsible for the policy and processes used in system acquisition here at the center."

"The functional manager also has the responsibility for providing the necessary resources to support our program offices in executing their programs. This includes,

as an example, program management of the Federally Funded Research Development Center, Aerospace Corporation, and other manpower support System Engineering and Technical Assistance contracts."

"This job carries an important functional management role for SMC and, because of the grade of the position, I have gotten involved in many key issues related to our space-related programs and the SMC workforce," Bordelon said.

"Some of my major accomplishments here include the initial setup of the systems acquisition directorate to be the first integrated organization in the command providing support for everything but financial management and contracting. This put most of the functions in place in a single organization to make it a one-stop shop for the program offices. This is one accomplishment I'm very proud of."

"A second major accomplishment for me has been in the personnel management arena. Since 1994, the center has reduced our workforce by over a thousand persons. I am extremely proud that we have been able to do so without a Reduction In Force through the use of normal personnel actions. I feel very good about our success in this area."

"Another thing I feel real good about is the re-establishment of the technical chain of responsibility and accountability across the center through an initiative we now call OSS&E, Operational Safety, Suitability, and Effectiveness. I was a part of the initiation of the effort across AFMC and I think it is something that will grow in the future. We planted the real seeds for doing that. Re-establishing the mission assurance process is a direct fallout of our success built

around the OSS&E principle."

"We established the national space information security steering council to work out the requirements and issues between the center, our programs, and the National Security Agency. We got that council focused now and it is going to be a major benefit to the center as we go forth.

"We've also made great strides with regard to implementing cross-systems integration; a challenging task. We have continued to build our implementation since 1994 when I arrived. The results of our efforts can be seen in what we've done in our mission assurance program, our OSS&E program, and in our system of system activities across SMC."

"We re-established the chief engineers council and set up the Executive Steering Council with ESC and ASC to further foster cross-integration activities. I think we still have a long way to go but the first steps have been taken in this regard. I've had some wonderful years at SMC," Bordelon said, "and I will leave this fine organization with fond memories. The number one memory I will take from here is of the people I've done business with. I will surely miss SMC's people when I leave."

Bordelon went on to say that this is the first job he ever had where the level of responsibility at times almost overwhelmed him. "It took a very strong adjustment to



Photo by Joe Juarez

Bordelon and executive secretary Diane Jenkins.

be able to meet all of the needs this job imposed upon me. If it hadn't been for the great people here at SMC I've done business with over this six and a half years, I would never have been able to do anything," he said.

"I look at it this way - a supervisor only achieves what his people can do. I really believe that if you support your people, your people will continually support you."

"It is with mixed emotions that I leave. I think I've put more into this job than any other that I've ever done - that's not unusual for any one's career. So when I leave, I leave a part of myself here. It's a new job that I'm going to and the challenges will be greater than what I have faced here," Bordelon said. "But, I feel will be able to do it because of the experiences I've gained here at SMC."

New source selection facility opens its doors

Senior Airman Chris McGiveney
Public Affairs

The Space and Missile Systems Center's Acquisition Support Directorate opened its new Electronic Source Selection Facility in Building 243 during a ribbon cutting ceremony Monday.

"This new facility will provide desperately needed space to conduct our mission essential core competency of performing electronic source selection evaluations. This process is a key activity for completing the contracting process necessary to acquire the vital space systems essential to support the warfighter," said Lt. Gen. Eugene Tattini, SMC commander.

"We needed this facility to help us meet an extraordinary high demand for source selection over the next few months," said Col. Michael A. Kaye, Director of SMC Acquisition Support Team Directorate. "Even after we took special actions to utilize all space at our existing Fort MacArthur facility, we could not meet our customers' needs. Now, the

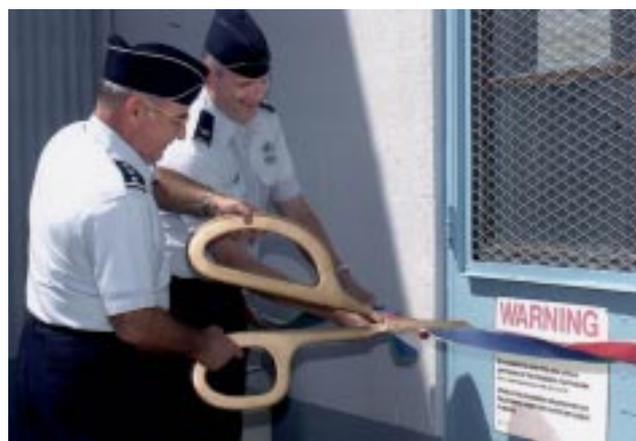


Photo by Doug Wood

Tattini and Kaye participate in ribbon cutting.

two facilities will just meet SMC's requirements during a peak source selection workload over the next few months."

A source selection occurs when multiple contractors respond to program office requirements with contract proposals. Source selections are extremely sensitive and require a secure environment. The Acquisition

Support Team modified the old Office of Special Investigation office space with electronic tools and software to compile the data and help program offices in the proposal evaluation process.

"The new facility will accommodate teams that need to do source selections, cost and performance review assessment group functions. It's also very beneficial, from a time and manpower savings standpoint, for teams to do source selection electronically with source selection software," said Maj. Robert J. Parsons II, SMC information systems development branch chief.

"The electronic source selection process provides a solid audit trail and ensures the process is as efficient as possible within the goals of acquisition reform initiatives, such as paperless source selections. By September, SMC will conduct seven simultaneous source selections in the two facilities, each with unique program requirements."

Originally the AST planned to renovate the basement of Building 410 at Fort MacArthur to provide additional capacity, but later determined they could save \$600,000 by modifying the area instead.

Space Based Laser reaches milestones

Peggy Hodge
Public Affairs

A significant milestone for the Air Force and the Joint Venture's space based laser team is the upcoming HL911 high-power laser test planned for the week of Aug. 28, said Maj. Arnold Streland, Chief, Space Based Laser Acquisition Management and Planning Division.

The test will focus on how laser performance is effected by changing rate at which the laser reactants are fed into the laser core. "This test provides critical information to anchor and validate our models," said Streland. "It gives us confidence—confidence our models are correct allowing us to successfully design a laser we need to build for the integrated flight experiment." This test comes after the successful demonstration in March of the Alpha laser.

HL 911 will be the 23rd high-power test conducted on the megawatt-class Alpha Hydrogen Fluoride chemical laser. Earlier tests were done to prove that such a laser could work. Current tests focus on validating laser design and performance models for the SBL integrated flight experiment.

"We're taking incremental steps to eventually prove the laser's design is successful with the IFX," said Streland. "Each of these tests is another step on the ladder giving us more and more confidence we are designing a successful



Courtesy photo

The HL 911 space based laser will undergo testing Aug. 28

laser. The hydrogen fluoride chemical laser is complex so you can't just test it in one 6-second test to prove all of your conditions. You have to try several different tests to examine different aspects of the model to validate it's correct. HL911 is another milestone and test to help validate our models," he said.

Phase 2 of the High Energy Laser Affordability and Architecture Study was completed in May and will be briefed shortly to Dr. Jacques Gansler,

Under Secretary of Defense for Acquisition and Technology, who directed this study. This study defines the most promising high energy laser concepts in the 2020 timeframe and identifies the technology development path to enable these promising system concepts. The study results are important to guide Department of Defense technology investment strategy and to ensure the SBL integrated flight experiment is on the right technology path leading to a potential operational system.

"We examined a variety of different architectures from using stand alone space based lasers, space based lasers with space mirrors, and ground based lasers with relay mirrors in space said Lt. Col. Bill Possel. "The purpose was to build a path of what an operational system would look like so as we develop IFX, we're focused on what would lead us towards an operational system. IFX is on the right path but there still needs to be a lot of technology work accomplished to make the system affordable," said Possel.

Another major milestone will occur in September when the second increment of the contract will be awarded. The contract is being bought in pieces. The approximate value of the contract is \$95 million, which will cover program operation through November 2001.

The major program milestone for SBL this year is the system requirements review in December. The review will culminate with the release of the approved SBL IFX Systems Specification. "This is the first major design review for the integrated flight experiment," said Streland. It is a very important step. We will review progress and actually have approval. This review provides a solid requirements baseline to build on as we go into further risk reduction and system design efforts. Getting those requirements documented, finalized and approved early on in the program is essential for success."

They're not just 'gate guards'



DoD police are fully capable force

Tech. Sgt. Tim Dougherty
Public Affairs

The dark blue-suited police officers who man the gates at Los Angeles AFB aren't contract security, and they aren't just gate guards. Base employees, contractors, family members and visitors rest assured. There's a well-trained, experienced and professional police force keeping you safe all day and all night.

The recent Democratic National Committee (DNC) held in Los Angeles gave the Department of Defense police officers here at Los Angeles AFB the opportunity to display some of their capabilities beyond the fence.

"One of our core missions as DoD police officers here at Los Angeles AFB is to provide security for Air Force One when it's on the ground at the Los Angeles International Airport. Because of the huge swell of people here for the convention and the potential for demonstrations at the airport, we created a Special Response Team to increase our readiness and provide additional security for the base and for housing," said team leader Lt. Mark Tuttle.

Tuttle, and the rest of his 19-man SRT, was understandably thankful that they weren't called to react to any serious incidents while the team was together.

"The only thing that happened during

the entire week was what was seen on the news after the Rage Against the Machine concert downtown," said officer Dave Siurek. "There wasn't any sort of serious problem at LAX - even though we had Air Force One, Air Force Two, and three other presidential support aircraft on the ramp at the same time. Given the history of civil unrest in Los Angeles, I think it's great for the city and its people to have hosted such a large event with so little in the way of disturbances."

Although Los Angeles was a comparative sea of calm during the convention, the men of the special response team certainly put in lots of hours. From two weeks prior to the nominating convention to the day the last special mission aircraft left LAX, the team ate together, slept together and trained together.

"We started with equipment issue on a Wednesday a couple of weeks ago and began a series of training evolutions. We did everything from squad movement drills to vehicle team training. We also trained a rescue team," Tuttle said.

After the special response team stood down, officers cleaned weapons, turned in their riot shields and helmets, and re-joined their fellow DoD police officers as they work day-to-day law enforcement and force protection issues around and about Los Angeles AFB. And yes, they will also be standing watch at the gate.

Right: The Special Response Team poses for a photo in front of Air Force One. From left, first row: Sgt. Daniel Abma, Lt. Mark Tuttle, Officers Jason Rouswell, Robert Floyd, Sgt. Kevin Greenfield, Officer Paul Benevente, Sgt. Jaime Madrigal and Officer Ken Davila. Second row: Officers Carnel Verrette and Jose Meza, Sgt. Sean Dodge, Officers Dave Siurek, Manuel Rodriguez, Scot Kowalski, Tom Gaeta, Gerard Coleman and Aubrey Walker, Sgt. Houston Walker. (Photo by Officer Robert Floyd.)



Top photos: Members of the DoD police force here at Los Angeles AFB conduct crowd control drills. (Photos by Joe Juarez.) Above: Officers Jason Rouswell, left, and Manuel Rodriguez enjoy themselves as they wait for the effects of pepper spray to wear off. (Photo by Officer Robert Floyd.)



Vacation Bible School helps teach faith

Senior Airman Chris McGiveney
Public Affairs

Meeting new friends, having fun and learning about Jesus were all part of this year's Vacation Bible School titled "2000 Ark Avenue — God's Great Get-Together" held at Fort MacArthur Aug. 7-11.

More than 80 children, from kindergarten to the fourth grade, took part in the VBS thanks to 45 hard-working volunteers from the base community.

"To our delight and amazement, the volunteers stepped forward to ensure the base children would have a Vacation Bible School," said Chaplain, Maj. James H. Walker. "It was absolutely amazing to see so many caring volunteers step forward to care for the spiritual and moral well being of our base children. This year's Vacation Bible School is perhaps one of the most successful I have seen."

The main purpose of the VBS was to introduce or reintroduce the child to God. Each volunteer and staff member helped present Jesus in a way that was understandable, loving and fun to the children.

"I volunteered for the VBS because I love kids," said 2nd Lt. Erin M. Melcher, SMC's protocol officer and VBS group leader. "It was such a great opportunity to talk to children about their faith in Jesus and I would definitely do it again."

The children attending the VBS participated in various activities such as creating lions out of milk jugs and



Photo by Joe Juarez

Shirley Walker helps children with arts and crafts at the Vacation Bible School.

sheep out of cotton balls. They played various games, ran relay races and watched a short skit put on by the volunteers each day which helped teach that day's lesson.

Each day had a color and a theme representing the colors of a rainbow of blue, orange, green, yellow and red. Some of the themes were "We are chosen," "We are sent" and "We are welcome."

Some of the children were attending their first VBS, while others were back again this year.

"My son attended last year, so I knew it would be a quality program," said Staff Sgt. Tony Gonzalez, SMC Finance Management Accounting Liaison Office whose

5-year-old son Garrett attended the bible school. "It's a fun environment to learn about the bible and its many real life stories. If we're here next year I'm sure he'll ask me to go. My son had a great time."

Before the event took place, Valerie Hunt, base Protestant Religious Education coordinator, and her husband Capt. Clint Hunt, Evolved Expendable Launch Vehicle program office, helped get this program started.

"These are two remarkable and gifted individuals who labored tirelessly for the success of this year's VBS," said Walker.

Many hours of planning and preparation go into the VBS. Hours are spent on school materials, crafts, songs, games and food to bring it all together in support of the theme. Acquiring materials and supplies is no small feat and can be very time consuming. "It may sound like a daunting task, but many hands made for light work," said Walker.

Fitting volunteer and staff members into the right positions is also a key element of the preparation. More hours are spent decorating to emphasize the theme. After the children went home for the day, the volunteers prepared for the next day which sometimes took over an hour. The time spent by each volunteer and staff member contributed to the success of the VBS.

"There is no doubt that next year will prove to be bigger and better as we join hands with faithful workers throughout the base," Walker said. "To every one of our volunteers I express my deepest gratitude for their labor of love which I know will have eternal results!"

AFA sports day: time for fun, sun

Clockwise from right: Staff Sgt. Peter Carreon returns a serve at the Air Force Association tennis tournament at the Manhattan Beach Country Club. (Photo by Tech. Sgt. Tim Dougherty.) Col. Randy Odle and Capt. Brad Hawk of Defense Meteorological Satellite program office enjoy the beach between games of beach volleyball. 1st Lt. Brinton Lincoln of Systems Acquisition sets up for a bump as his partner Capt. David Egon of Staff Judge Advocate looks on. (Photo by 1st Lt. Heather White.)



SMC plays integral role in JEFX 2000

Lt. Col. Mark Pestana
Developmental Planning

In a valley of an unnamed country, a sensor placed weeks in advance by a special operations team picks up the movement of an enemy Scud launcher, which is then confirmed by space-based radar, orbiting high above.

This information is sent by satellite to the Air Operations Center. With the touch of a keyboard, satellites scan the area using infrared, hyper-spectral and electro-optical imaging. At the same time, an RC-135 signals intelligence aircraft surveys of the area intercepting a broad spectrum of electromagnetic information. Both platforms locate and identify the launcher and report that it is preparing to launch a missile.

This information is transmitted to the U.S. commander who instantly orders an airstrike. A B-2 Spirit bomber flying toward its designated target is rerouted in flight. The coordinates of the Scud launcher are downloaded to one of its cruise missiles from the Air Operations Center. The pilot makes a slight course deviation, launches the missile and then continues on to the previous target. Minutes later, the Scud launcher is destroyed before it is able to launch an attack on an American base. Satellites and an unmanned aerial vehicle confirm the launcher is destroyed.

While this might sound like the opening for a Tom Clancy novel, it's just one vignette in the Air Force's Joint Expeditionary Forces Experiment, or JEFX 2000, set to run from Monday through Sept. 18. The experiment integrates existing and emerging technology into a command and control weapons system architecture capable of gathering, processing, disseminating and acting on information in a dynamic, collaborative battlespace.



Courtesy photo
Participants monitor the status of a previous JEFX.

JEFX will explore the future contribution of the air and space power functions of command and control, intelligence, surveillance and reconnaissance to 21st century aerospace force execution. The experiment will address each of these functions and explore future capability requirements within the Air Force core competencies of Air and Space Superiority, Agile Combat Support, Rapid Global Mobility, Precision Engagement, Global Attack and Information Superiority.

Through the efforts of the Developmental Planning, Air and Space Integration Branch, and The Aerospace Corporation, SMC will participate as space acquisition integrator and as systems operators, evaluators, and observers. The Electronic Systems Center is the overall acquisition lead and system architect for this chief of staff-directed Air Force experiment with planning carried out by the JEFX Program Office, the Air Force Command and Control Innovation Group and the Air Force Experimentation Office.

Lt. Gen. Eugene Tattini, SMC Commander, recently

said that "Successful battle-management in the 21st century demands the full exploitation and integration of air and space-based forces within a robust infrastructure, and the extension of these capabilities into combined joint operations with Army and Naval forces. The capabilities of rapid-targeting and data dissemination are virtually impossible without the navigation, meteorological, communication and surveillance systems that SMC has created and delivered."

The JEFX combines live-fly with computer simulations to create a realistic, seamless warfighting environment. The mission of the experiment is to rapidly develop and field an Expeditionary Aerospace Force, evolve and mature the integrated air and space core competencies and to improve command and control.

The three categories where SMC will participate in the demonstration and evaluation of new space initiatives are: Collection Management, Situational Awareness and Imagery. These initiatives will demonstrate emerging capabilities such as the integration of space-based and airborne hyper-spectral imagery, integrated data collection management from multiple sources, data fusion and the timely dissemination of information to field commanders and the warfighters.

"Under the leadership of Lt. Col. "Shof" Shofner we have pulled together an expert team of development and operations people, with both air and space experience, to effectively analyze strengths and weaknesses of new technology initiatives," said Col. William Gardner of SMC's Developmental Planning.

"Our focus is first systems engineering, then we help advocate the transition of new technology from experimentation to the operational Air Force," he said.

SMC brings space to Global Engagement V

Wargames help shape battlefield

Capt. Jim Paterson
Developmental Planning

U.S. military services, government agencies and private companies are re-discovering the art of wargaming as a cost effective vehicle for exploring complex policy, doctrine and strategic issues such as combat in space, missile defense and information operations.

Insights gained from today's high-level wargames are having a profound impact on defining new warfighting concepts and shaping weapon system acquisition programs.

"Wargames are critically important in addressing real policy issues that need to be straightened out," said retired Air Force Gen. Howell M. Estes. "In the space business, wargames have much improved understanding of the critical nature of space systems". To this end, SMC/XR is actively engaged in integrating the broad

spectrum of space capabilities of SMC into the chief of staff sponsored Title X wargames.

The latest was Global Engagement V held recently in the Washington, D.C. area. The purpose of the games was to provide Air Force leadership with greater insight into force mix and concepts that are required to enable the Air Force Critical Capabilities. GE V explored aspects of all of the critical capabilities, with increased focus on the following six:

- Aerospace Superiority: Rapidly dominate (within days) adversary air forces and air defenses anywhere tasked, to allow joint forces freedom to maneuver, freedom to attack and freedom from attack.

- Information Superiority: Continuous tailored information within hours of tasking to engage any target in any battlespace worldwide.

- Global Attack: Create desired effects within hours of tasking, anywhere on the globe to include locations deep within an adversary's territory.

- Precision Engagement: Rapidly create precise effects, with the ability to re-target quickly, against large target sets,

anywhere, anytime, for as long as required.

- Rapid Global Mobility: Provide the airlift, aerial refueling, and enroute infrastructure capability to respond within hours of tasking to support peacetime operations or a crisis (up to a Medium Theater War) while having the capability to swing high-priority forces to another theater.

- Agile Combat Support: Build an aerospace force that enables robust, distributed military operations with time-definite sustainment.

The game postulated a near peer competitor, in a large, distant theater, with strong counter-access capabilities. By playing the wargame under all these constraints, GE V was able to give insights into the future concepts and force structures that will allow the U.S. warfighters to seize the initiative early in future wars.

Two games were simultaneously played, in the 2015 timeframe, with Game A having a baseline force structure, and Game B having a plussed up (increased budget) force structure.

Of particular interest to the SMC team



was Game B which had a force structure presenting a more capable C4ISR system (in particular space based). The Team B C4ISR constellation created a more balanced system, with a robust UAV system force rounding out the air-breathing systems.

SMC participation in the DoD series of Title Wargames has grown from a concept to a vital key in ensuring that future space systems are credibly integrated. Our next major event Air Force event is the AFSPACE sponsored Space Game to be held in January 2001.

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rying a civil weather satellite is 2nd Lt. James Helle. "I've been keeping an eye on last week's launch because it could potentially impact the Titan II. No issues have come up impacting our mission at this time, but we've always got to be prepared.

"If the Titan IV launch was delayed because of a flight hardware issue, for instance, we'd have to check out any parallel hardware on the Titan II."

As LRM, Helle is responsible for communicating with the 2nd Space Launch Squadron at Vandenberg and monitoring range facilities to ensure they're ready and capable to support the launch.

"It's hard to predict schedule changes when we're more than one month out. Another launch anomaly can impact our timeline at the last minute," he said.

Formed in 1994, Det 9 may still see some changes in the upcoming years.

"The Broad Area Review results may cause our mission here to evolve," said Irwin. "We're ready and willing should more responsibility come our way."

CFC time of year approaching

Randolph Funk

Base Combined Federal Campaign coordinator

This fall the annual fundraising Combined Federal Campaign will be conducted for six weeks during the months of October through November.

Last year Space and Missile Systems Center helped raise an astounding \$236,083 for CFC charities for the Greater Los Angeles area.

The annual fundraising campaign helps to support more than 1,500 charitable agencies.

Below is this year's list of CFC points of contact by organizations. Please note that this list is subject to change during the campaign period.

61 ABG/CC Senior Airman Jason Tuia 363-0667

61 ABG/CE 2nd Lt. Star E. Longo 363-6202

61 ABG/DO Staff Sgt. James D. White 363-6051

61 ABG/HC Staff Sgt. Ivan Suarez 363-1956

61 ABG/LG Alberto A. Roxas 363-0355

61 ABG/ME Tech. Sgt. Rocky P. McCants 363-5281

61 ABG/SV Master Sgt. Stuart Gray 363-1881

61 CS/CC Tony Walker 363-5232

61 MDS/CC Master Sgt. Daniel Olkowski 363-2724

61 SFS/CC Linnea L. Burris 363-5154

SMC/AD Capt. Joseph R. Wirthlin 297-2923

SMC/AX 1st Lt. Shalanda H. Baker 363-0082

SMC/BC Tartia M. Robinson 363-2855

SMC/CI Capt. Dave Spencer 336-4410

SMC/CL Capt. Amanda Wiese 363-2667

SMC/CW Kermet L. Goss 363-6535

SMC/CZ Capt. John Andrade 363-6368

SMC/FM 1st Lt. Boris M. Gershman 363-0365

SMC/HO Robert Mulcahy 363-2136

SMC/IN Senior Airman Ryan Domingos 363-0357

SMC/JA Staff Sgt. Terry C. Hunt 363-0916

SMC/MC 1st Lt. Tim Mukasa-Magoye 363-4751

SMC/MT 2nd Lt. Renee A. Martin 363-0267

SMC/MV Capt. Derek D. Varble 336-4676

SMC/PA John J. Ryan 363-1812

SMC/PK 1st Lt. Damian O. Benigno 363-4317

SMC/TL Staff Sgt. Eric E. Grundy 363-8616

SMC/CC, IG, XP Angela M. Rennie 363-3920

SMC/XR 1st Lt. Michael C. Scott 363-6591

Chapel Schedule

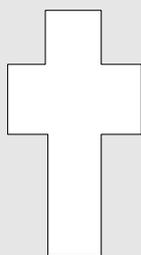
Roman Catholic

Saturday: Sacrament of Reconciliation at 3:45 p.m., Mass at 4:30 p.m.

Sunday: Mass at 9 a.m., CCD in Building 37 at 10:30 a.m.

Protestant

Sunday: Sunday School at 9 a.m., Building 37; General Protestant worship at 10:30 a.m.



All the above services are at the Fort MacArthur Chapel. Call the Chaplain Service Division office at 363-1956 for more information.

The Club 363-2230

The Club will hold a barbecue every Thursday this summer in the Area A Mall. Food is served between 11 a.m. and 1 p.m. Items are priced a la carte and may include ribs, chicken, hamburgers, hot links, potato salad, corn cobbetts, baked beans, coleslaw and fresh fruit.

Every Friday the lounge is open at 4 p.m. The DJ starts playing at 5 p.m. Free snacks are available to club members.

The Barber Shop is open from 7:30 a.m. to 2:30 p.m., Monday through Friday and is located in building 120 on the lower level floor. For more information, call 363-1733.

Youth Services 363-8383

The L.A. Experience Summer Camp will run until Sept. 1 and is for children between the ages of 5 and 12 years. Kidz Korner Youth Center offers kid-friendly activities throughout the summer break. Activities include field trips, swimming, unsurpassed art creations, cooking projects, community service projects, hiking and sports events. Camp is a full-day care program, and fees are based on the annual income of both parents. Registration is open now.

Los Angeles AFB Family Member Support Flight is participating in Project 2000. Project 2000 is a collection of food and clothing items that will be donated to the community and to the homeless. The drop-off points are both Child Development Centers, the Community Center and the Youth Center.

Child Development Center

363-8335

El Segundo

The El Segundo CDC preschool class goes to the Fort Mac Pool today. For more information, please contact the El Segundo CDC Front Desk.

Swimming Pool

Fort MacArthur swimming pool is open. Hours of operation are 12 to 8 p.m., Thursday to Tuesday.

Family Child Care – 833-8334

The Seal Beach Naval facility has openings in their Navy licensed Family Home Day Care homes. For more information, call Kathy Richards, Family Childcare Director, at (562) 626-7899.

Los Angeles AFB is striving to expand Family Child Care Services in homes of military and

retired military members. If you are a spouse who lives either on or off base and are interested in becoming a licensed family Child Care Provider, Fore more information contact Hyechong Froschl at 363-8334 or stop by the Child Development Center on Fort MacArthur, Building 31.

Providers:

Amy Gonzalez can provide child care from 7 a.m. to 5 p.m., Monday to Friday for children ages 3 and up on a full, part time and drop-in basis. For more information, call 514-1938.

Terri Gregg can provide child care from 7 a.m. to 5:30 p.m., Monday to Friday for children ages 2 and up on a full, part time and drop-in basis. For more information, call 832-1099.

Johvon Tidwell can provide child care from 6 a.m. to 5 p.m., Monday to Friday for children ages 2 and up on a full, part time and drop-in basis. For more information, call 547-9762.

The above providers are the only individuals authorized to provide child care in the Fort MacArthur, Pacific Heights and Pacific Crest Areas. In accordance with Air Force Instruction 34-276, "Persons wishing to provide care for more than 10 hours per week on a regular basis in government quarters must be trained, licensed and granted approval from the Base Commander." If your child care provider is not on this list, please notify our office immediately so we can invite them to become trained and licensed through our Family Child Care office.

The Fitness Center 363-6815

Fitness Center Age Restrictions according to AFI 34-266, Air Force Fitness and Sports Programs, are established to ensure a safe environment for all Fitness Center customers. Guidelines are as follows:

16 years of age and over: Unrestricted use of all Fitness Center facilities and equipment. Need not be accompanied by a parent or legal guardian.

14 and 15 years of age: Cardiovascular Equipment and Weight Rooms – Require interactive supervision from a parent, legal guardian or Youth Program staff member or coach. Other areas (basketball court, racquetball, etc.) unrestricted use.

13 years of age and under: Cardiovascular Equipment and Weight Rooms – Access to these areas prohibited. Other areas (basketball court, racquetball, etc.) require interactive supervision from parent, legal guardian or Youth Program staff member.



Two new sports will soon be introduced to the Fitness Center customers: 4-Man Indoor Soccer and Tri-Ball Volleyball. Sign-ups are now being taken to determine whether the Fitness Center can run an intramural event or a tournament. For more information, call Staff Sgt. Ronnell Ramos or Tech. Sgt. Juan Gordovez at 363-6816.

The fitness Center offers one-on-one free individualized fitness programming. We have certified personal trainers that offer the following services: Fitness assessments, personal fitness planning, fitness goal setting, programs to lower cholesterol, strength training, cardio-vascular training, proper use of equipment and proper lifting techniques. Individual appointments can be made by calling 363-6815 or you can ask at the front desk for a trainer during workouts.

Outdoor Recreation

Camping Trailers

Hard shell camper, sleeps three, w/toilet, shower, air conditioning, stove and refrigerator is \$35 per day, minimum two days.

Pop-up camper, sleeps 7 to 8, with stove, refrigerator and air conditioning. Requires electrical brake hookup. \$35 per day, minimum two days.

Large Barbecue Pit on a trailer is \$25 per day.

Camping Packages

Family Pack is \$22 and includes a five-man tent, lantern, two-burner stove and four sleeping bags.

Outdoorsman Pack is \$18.50 and includes a three-man tent, lantern, two-burner stove, four sleeping bags and a mess kit.

Traveler's Pack is \$7.50 and includes a backpack, mess kit, sleeping bag, hatchet and sleeping mat.

Visitor's Pack is \$12 and includes a three-person tent, two sleeping bags and two air mattresses.



RV Storage

For your convenience, Los Angeles AFB offers four RV storage facilities. They are located next to Bldg. 219 and 215 in Area B, next to the FamCamp in Lawndale and one at Fort MacArthur*. Storage fees are \$30 per month for RVs over 23 feet and \$20 per month for RVs under 23 feet long.

*The RV storage located at Fort MacArthur is open to active duty military personnel residing in LAAFB military housing.

FamCamp

Los Angeles AFB operates a Family Campground, or FamCamp. We have 15 hardstand units with hookups for water and electricity.

It is open year round and advanced reservations are accepted. The camp is located two miles south of in Lawndale. Fore more information call 363-2081.

Tickets & Information 363-2190

San Diego Padres tickets are now available. Call or come by and ask about special order tickets to major attractions in Florida, Texas and others.

Base Briefs

Cub Scout pack 665 wants you

All boys in grades 1-5 are invited to join Cub Scout pack 665 with meetings in Building 37 at Fort MacArthur. Cub Scouts helps build social skills and recognizes the boys with awards. Now is the time to sign up your son for Cub Scouts. Don't delay, and have your son miss out on all the fun and activities planned for the upcoming year. For more information call Greg Schiller at 831-9265 or Brad Bolstad at 832-6881.

Scouts need adults as well

Your local Pacifica Boy Scout District needs your help. We need unit commissioners (both men and women) to help Cub Scout packs and Boy Scout troops. As a unit commissioner, you provide units with meaningful service that delivers Scouting ideals to boys. For more information call Maj. Mark Harris at 363-6361 or 214-9362 .