

Giving a High-Level Antenna Briefing

August 31, 2015

Aerospace employees gathered on the roof of A2 in El Segundo on Aug. 27 to brief Col. Tom Rock on testing of an antenna that will be used at Vandenberg Air Force Base during launches of national security payloads.

Aerospace measured performance of the antenna, which will be used to send a destruct signal to a launch vehicle if an anomaly occurs during the early minutes of a launch. In the photo, the antenna is the white cowboy-hat-shaped object in the top middle.



Lyn Shaw, left, briefs Col. Tom Rock on Aerospace testing of an antenna to be used at Vandenberg Air Force Base. (Photo: Eric Hamburg)

Shaping the Future of STEM

by Gail Kellner

August 27, 2015

When children think of becoming athletes they think of glory, sponsorships, and fame. When they think of STEM – science, technology, engineering, and mathematics — they envision difficult equations, confusing lectures, and endless study sessions, according to Dr. Wanda Austin, president and CEO.

Austin turned this quandary into a call for action, citing a need to change the conversation on STEM and develop a more insightful dialogue for STEM education.

She invited aerospace industry leaders, STEM nonprofit organizations, educators, and a small group of Aerospace employees to take part in this important conversation about STEM on Wednesday evening, Aug. 26, in Titan IVA and IVB.

"Inspiring the Next Generation – Shaping the Future of STEM" was Austin's third signature event since 2009, and it also shared the spotlight with the Aerospace Women's Committee's Women's Week.



Panelists discussed ways to attract students to STEM topics. (Photo: Eric Hamburg)

This multifaceted event focused on a panel discussion with STEM industry experts, a keynote address by Austin, and an inspirational talk by a U.S Air Force Academy Cadet First Class Yohance Salimu. Guests were also afforded time to network with others and see STEM project demonstrations by Aerospace engineers and scientists.

Salimu shared his poignant story about growing up in and out of a shelter with his younger brother and mother after his family lost their housing. He was in eighth grade, his father was out of the picture, and although he called his mother a "rock star," he had also become afraid of her behavior due to her mental illness. He became the captain of the football team, track team, chess club, and any other event that kept him busy and away from home.



Dr. Wanda Austin, right, with Air Force Academy cadet Yohance Salimu and his mother, Tabia Salimu. (Photo: Eric Hamburg)

He was pulled into a robotics team by Dr. Sean Ramsey, his mentor from Crenshaw High School, who encouraged him to stay close to his brother in order to be a positive influence in his brother's life. Salimu became interested in science and math and his brother followed him in this pursuit, including the robotics competitions. While at one of the competitions, an Aerospace employee was impressed with his work and offered him an internship at the company.

He was in awe that he was given a paycheck for his work and he was able to support his family.

"We are so grateful for the STEM education that we received," he said including his brother as well. "It has really impacted our lives."

Salimu's mother and Ramsey were in the audience at Wednesday's event to support him.

The panel discussion and Q and A session that followed was led by Val Zavala, vice president of News and Public Affairs, USC,

KCET. The panel comprised three guests: Dr. Karen Symms Gallagher, dean of the Rossier School of Education, USC; Christopher Roe, president and CEO of the California STEM Learning Network; and Lilly Kam, STEM director, i.am.angel Foundation.

Each guest discussed how their organization supports STEM efforts through programs or standards — Math for America, USC Hybrid High, The California STEM Learning Network, Common Core, Next Generation Science Standards, the creation of wearable technology, and many more efforts.

So what can we do to keep kids interested in STEM, Zavala asked? Although research shows that all children are initially interested in these topics, this interest drops off before high school and quite sooner than that in many cases. How do we grab their attention and keep it?

The answer by the panelists was to create real-life events to inspire them. Roe suggested the topics of the current drought in California and human longevity; Gallagher suggested interesting students in the environment, climate change, and inspiring inquiry into the arts; and Kam went straight to where kids are living today — their mobile phones.

She explained that a lot of children are writing four-page essays on their phones because they do not have access to computers. She likes to encourage app development and students need coding skills in order to do this.

The entertainment industry also interests its younger audience with shows like CSI and Mr. Robot showing technology in a very exciting way. Teachers can build on this interest, one panelist offered.

Sometimes what seems like a complex issue can also have a simple answer. Each panelist said that we can all make a vital contribution by becoming a mentor and encouraging our

colleagues to become mentors, as well. Take time out to share some expertise that you possess; create a personal connection; take an interest in what students need, they advised.

Austin brought the event home by announcing the establishment of The Aerospace Corporation STEM endowment fund. The goal of this fund is to support the next generation of students in their pursuit of a college degree in STEM disciplines with an emphasis on helping underrepresented students with need, according to Austin.



Dr. David Gorney, left, with Allison Wolfe of the Disney Junior cable network. (Photo: Elisa Haber)

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"It will allow us to raise funds through charitable donations that can be applied to scholarships and other programs to benefit STEM students.

"We realize that the future of our company, and our society, rests in the hands of the next generation of engineers and scientists, she said. "It is essential that our students have the resources and access that they need to excel in STEM. By gathering together tonight, to discuss our ideas and solutions, I know that we are taking a significant step in the right direction."

Mark Jelonek Promoted to PD, National Systems Group

August 26, 2015



Dr. Mark Jelonek

Dr. Mark Jelonek has been promoted to principal director, Advanced Intelligence Community Programs (AICP) Subdivision, National Intelligence Division, National Systems Group (NSG).

In this new role, Jelonek is leading and managing Aerospace support to the National Geospatial Intelligence Agency (NGA) and the National Air and Space Integration Center.

His most recent previous assignment was systems director in NSG's Systems Engineering & Launch Division where he supported the National Reconnaissance Office's (NRO) Systems Engineering Directorate enterprise analysis in the joint NRO/NGA Geospatial Intelligence Future Study, and a variety of other architectural analyses and trade studies.

Jelonek retired as a colonel in the U.S. Air Force after serving in many leadership and command assignments involving counter-space weapons research and development, space operations, space policy and strategy, strategic communications, and budget programming.

He earned a Ph.D. in laser physics, Air Force Institute of Technology; a Master of Science in engineering physics from the Air Force Institute of Technology; a Master of Science in national security strategy from the National War College; a master's of airpower arts and sciences from the School of Advanced Airpower Studies; and a Bachelor of Science in physics from Penn State.

Halford, Hardy, Honeycutt Named 2015 Women of the Year

by Heather Golden
August 25, 2015

The Aerospace Women's Committee named Jennifer Lombardi Halford, Joyce Hardy, and Dana Potter Honeycutt as this year's Women of the Year during a lunchtime ceremony Aug. 24 in El Segundo.

This marks the 43rd year of the WOTY awards. The awards presentation is one of several events the AWC holds in honor of Women's Week, which is traditionally celebrated at the end of August to commemorate Women's Equality Day, the anniversary of the 19th Amendment giving women the right to vote. This year's Women's Week theme is "Embracing Challenges, Leading the Charge."

"The Aerospace Women's Committee is celebrating 43 years of successfully 'embracing challenges, leading the charge,'" said Yogita Shah, AWC national vice president and engineering specialist, Software Systems Analysis Department.

"Women are leading the way in every sector, and they are in positions where their decisions will shape the future and drive change."



From left are Dana Potter Honeycutt, Jennifer Lombardi Halford, and Joyce Hardy, the winners of this year's Women of the Year award. (Photo: Elisa Haber)

"It's a theme that feels particularly appropriate given the current state of women in the U.S. workforce – particularly, the STEM workforce," said Dr. Wanda Austin, Aerospace president and CEO. "Though we have made progress over the years, women still struggle to receive equal pay and to gain equitable representation in STEM fields. As an engineer, I am particularly concerned with what we are doing to impact the next generation of scientists and engineers in this country."

"It is our job to reverse these trends, to overcome our biases, and most importantly, to inspire young students and professionals to stick with STEM, not just for a career but for their personal development," she said.

The WOTY award recognizes women at Aerospace who stand out in five categories: job performance, company activities, community involvement, professional/career/educational achievements, and leadership and initiatives that contribute to the advancement of the company.

"It amazes me the accomplishments of these Aerospace women; it really astounds me," said Kimberly Locke, chair of the WOTY selection committee, 2012 WOTY recipient, and communications specialist, Organizational Communications.

Jennifer Lombardi Halford

Halford, EIS director, Applications Development Department, joined Aerospace in 2002, and began her career here as a member of the technical staff in the Computers and Software Department working on space tracking and surveillance software.

STEM outreach has played heavily into Halford's career. She was first introduced to Aerospace as an intern, and eventually grew within the company to run an extensive intern program within her department. Since 2005, she has volunteered as the Aerospace Corporate Mentor at the UCLA Computer Science Department, is a member of the UCLA Woman's Business Connection, and served on the Young Professionals / University advisory board for Aviation Week.

Halford considers herself a perpetual student. She holds four degrees from UCLA, with Bachelor of Science and Master of Science degrees in computer science, a Bachelor of Arts degree in business economics, and an MBA. She is also a world-class athlete, having competed internationally in both surfing and beach volleyball.

Joyce Hardy

Hardy has been with Aerospace for 18 years, is a member of Aerospace Library and Information Management Services; supports Aerospace Project West Wing (PWW); and coordinates the activities of the Hardy Technical Intelligence Research Center, which she is credited for creating. She is also responsible for developing and maintaining a comprehensive intelligence information resource and providing professional research services.

"Joyce re-architected the intelligence data management philosophy of the intelligence library and introduced rigorous and modern library and information management practices and tools," said Dr. Malina Hills, vice president, Space Program Operations, who introduced Hardy during the ceremony. "She is – as one customer put it – 'worth her weight in gold.'"

While working with PWW, Hardy worked with the National Archives and Records Administration to gain special access to materials in no fewer than 10 presidential libraries. Her work added around 3,000 special access documents to the material previously collected by PWW.

She is active within her community, having served as a president of the PTA, president of the Britton Middle School Band Boosters, and as chair of the Morgan Hill Fourth of July parade. She was even named grand marshal of the parade in 1990.

Dana Potter Honeycutt

Honeycutt, senior project leader, Technical Training and Development Department, grew up in an engineering family, with a father who worked as an electrical engineer with Hughes Aircraft Company. When she was faced with a choice between engineering and music, she chose the STEM route and was offered a place with NASA as a co-op student. While continuing to work toward her master's degree, she was offered a position with NASA working on the space station, but chose to follow in her father's footsteps by accepting a position with Hughes. She was not yet done with NASA though, and later attended Space Camp.

She came to Aerospace in 1999 and started within the National Systems Group. After transferring to Strategic Space Operation at Schriever Air Force Base in 2002, she was introduced to the world of space control and joined the newly formed National Security Space Institute. Now, as a member of The Aerospace Institute, she supports the key areas of space protection, cyber, and ground.

Honeycutt became involved in local STEM activities after she and her husband made the decision to homeschool their two



Dr. David Gorney, executive vice president, and Juliet Davitian, AWC national president, look on as another winner is announced. (Photo: Elisa Haber)

daughters. Within Aerospace, she focused on expanding STEM outreach and became a teacher liaison with the Space Foundation to provide educational opportunities to local K through 12 students. She also was responsible for helping stand up the Colorado chapter of the AWC in 2008.

Honeycutt almost did not make it to the WOTY ceremony as she is on vacation with her family. As chance would have it, they happened to be on the road to Napa Valley from their home in Colorado, and were able to detour to the El Segundo campus just in time for her to accept her award in person with her family present.

Austin commended all three recipients, saying, "You are dedicated to your work and you consistently perform at a high level when faced with tremendous challenges. Yet you also pay it forward. You take time to mentor the next generation. You volunteer in your communities, and you actively shape and enhance the culture of this company. You engage. You don't sit back and wait for an invitation to get involved. You lead by example."

Upcoming Women's Week activities

There was a speed-mentoring event in El Segundo with executive mentors on Tuesday, Aug. 25, in A1 Titan IVA and IVB.

Dr. Austin's Signature Event, "Inspiring the Next Generation: Shaping the Future of STEM," will be Wednesday, Aug. 26. The event is by invitation only.

A luncheon, by invitation only, will be held on Thursday, Aug. 27, for the winners of the Woman of the Year awards.

The annual clothing drive runs through the end of this week, Friday, Aug. 28. There will be collection bins at El Segundo in A8 near the elevators and D8 near the core elevators; Colorado Springs in the 1st floor lobby; and Chantilly in A101 Upper Concourse, by the first-floor employee entrance, and in the Greens III lobby.

For more information about these events, please see the published Orbiter announcement, or contact Juliett Davitian, AWC national president, at 310-336-1779 or Yogita Shah, Women's Week chair at 310-336-6952.

STARS Facility a Big Draw for Assistant Secretary of State

by Heather Golden
August 12, 2015

Assistant Secretary of State for Arms Control, Verification, and Compliance Frank Rose stopped by The Aerospace Corporation during his visit to the Air Force's Space Superiority Systems Directorate (SMC/SY) Wednesday, Aug. 12, to tour the Spacelift Telemetry Acquisition and Reporting System (STARS) facility.

Members of Aerospace's leadership, including Dr. Wanda Austin, president and CEO; Randy Kendall, vice president, Space Launch Operations; Ed Swallow, vice president, Vaeros; and Bruce Mau, principal director, Launch Enterprise Engineering, joined Rose on his STARS walk-through.

Rose was particularly interested in learning more about Vaeros' role within the company, Aerospace's work monitoring space operations for the Air Force and various commercial customers, and the company's launch verification processes. While here, he also took the opportunity to thank Aerospace leadership for the work the company does for the State Department.

Rose was confirmed for his current position this past December, and previously served as the Deputy Assistant Secretary of State for Space and Defense Policy. He is responsible for advising the Secretary of State on a wide variety of arms control, strategic policy, verification, and compliance issues.



Assistant Secretary of State Frank Rose (seated, center) focuses on a briefing from Randy Kendall, vice president, Space Launch Operations, during a visit to the STARS facility. Rose spoke with Aerospace leadership on launch verification and Vaeros' new role in the company. (Photo: Eric Hamburg)

Practicing to Save the World

by Davina Rose Myers

August 05, 2015

Have you ever wondered what it would be like to save the world, to be a superhero? Now there is a computer application that allows you to have this experience with the click of a mouse.

This year NASA/JPL released its NEO Deflection App, developed in collaboration with The Aerospace Corporation. The app provides a simulation of an asteroid headed for Earth and allows users to manipulate variables and design a mission in order to deflect the near earth object (NEO) away from Earth impact. Some of these variables include the launch vehicle type and mass of the spacecraft used for interception, liftoff and intercept times, and the asteroid's size and density.

The application is intended for use by non-specialists, to raise awareness in the general public. It also can be used by experts for training, planning, and to support planetary defense decisions. For instance, this application was used at the 2015 Planetary Defense Conference in April, a conference for scientists concerned with how to prevent asteroids, meteoroids, and other objects from colliding with the Earth.

According to Dr. Nahum Melamed, one of the creators of the app, potential users include Aerospace technical and non-technical staff, and Aerospace customers such as SMC and NASA, college students and professors, and high school students and teachers.

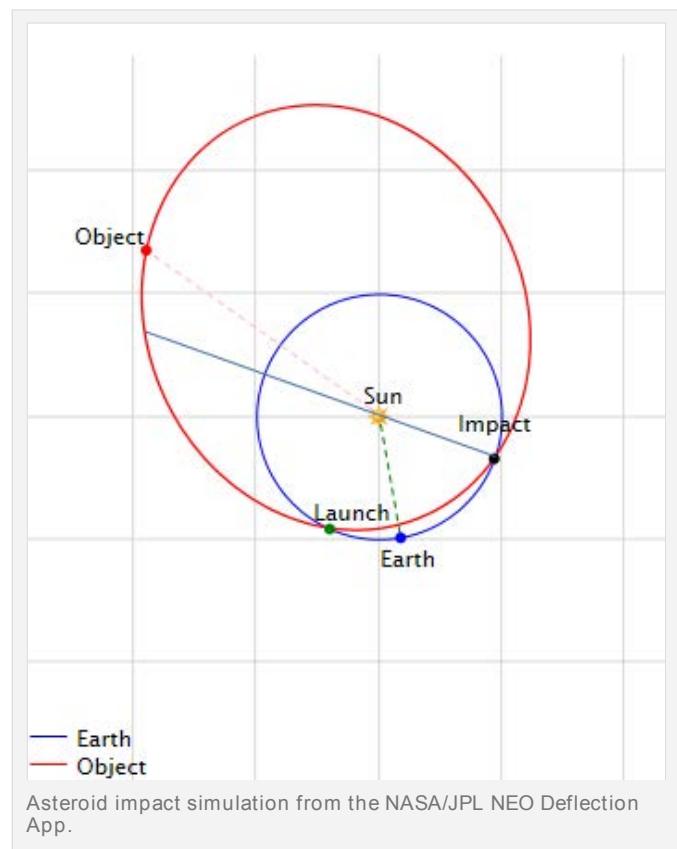
Since this interactive tool is available worldwide on [JPL's website](#), the general public can get hands-on with asteroid deflection at home and derive intuitive insights into deflection challenges without being experts in the field.

The app is used in classes held by the Aerospace Institute for training prospective planetary defense team experts. It is also used at K-12 STEM events to inspire the next generation of scientists and engineers.

Melamed predicts that "expanded outreach might be attained if a game version is developed in the future for trying asteroid deflection on the go, adding fun to realism."



Dr. Nahum Melamed, one of the creators of the NEO Deflection App. (Photo: Elisa Haber)



Asteroid impact simulation from the NASA/JPL NEO Deflection App.

Three Employees Embrace the Aerospace Rotation Program Experience

by Gail Kellner
August 10, 2015

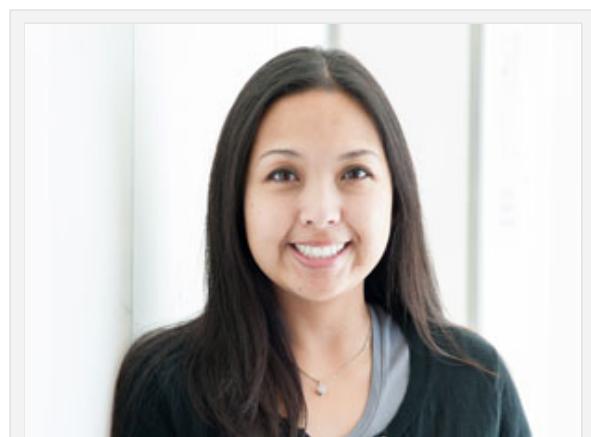
It is a unique perk for a company to offer a "try before you buy" experience for employees who may be interested in a new position within the company.

The Aerospace Rotation Program (ARP) offers just that – an opportunity for employees to broaden their skill sets and to demonstrate value to other organizations for a year. The program offers one of the most effective ways to learn on-the-job training without asking the employee to commit to a particular outcome until the end of their rotation.

According to Laura Speckman, associate director, Astrodynamics Department, ETG, the program offers top visibility for participants, and it enjoys strong senior management support. As co-chair of the ARP Committee, she is quick to point out that the program is meant for all employees, not just members of the technical staff rotating between program offices and ETG.

Originally named the Intergroup Rotation Program, it began as a pilot program in 1992. Dr. Charles Gustafson, senior vice president, ETG, is currently the executive sponsor of the program and Dr. Randy Villahermosa, principal director, Research and Program Development Office, is the chair.

"We are experiencing new interest from employees, and many choose to stay in their rotation assignments and flourish in these new positions," Speckman said. "Developing enhanced technical, leadership, and business skills, as well as a 'hand in glove' relationship with our customers are great benefits for program participants."



Stephanie Charoensub is four months into her rotation program. (Photo: Elisa Haber)

available.

Stephanie Charoensub, Information and Technology Planning and Analysis, is currently about four months into the rotation process from Human Resources Information Systems (HRIS) to Business Operations Systems and Services (BOSS). She became an intern at Aerospace in 2002 and has been on board full time since 2008.



Jason Anderson stayed on at a position in the Spacelift Telemetry and Recording System lab after his stint in the Aerospace Rotation Program was finished. (Photo: Elisa Haber)

Jason Anderson, senior project engineer, Spacelift Telemetry and Acquisition System (STARS) lab, was hired into the Flight Mechanics Department in the Vehicles Systems Division almost 14 years ago. At the time of his rotation, he was managing and running FlightVis, a 3-D visualization program for launch support, in STARS. ARP offered him a seamless transition from the work he was previously doing to acquiring a full-time position in STARS.

"My original job primarily involved developing simulations to model rocket boost trajectories, which was a much more technical position," he said. "In STARS I provide direct support to the engineers monitoring the launch, and I work more hands-on with the hardware used to deliver the voice, video, and data needed by the engineers to monitor and support launch activities," he said.

Anderson added that the program is an excellent mechanism to explore new areas, but one of the key components to the program is that participants can decide to return to their original positions if they would like. On the other hand, participants can work with management on transitioning into a full-time position at the end of their rotation if it is

Her desire was to learn new skills, work on a variety of projects, and discover how other areas of Aerospace operate.

"There is naturally a lot of collaboration between BOSS and HRIS, so I'm familiar with some aspects of working in this new organization," she said. "However, being in this rotation position has enabled me to gain a better perspective of how and why things are run in a certain way on the technical side."

"I've been able to start analyzing things from a different frame of reference, which has been very useful. I have also been very fortunate to find so many great mentors and others who are willing to help me make the most of my rotation experience," she said.



Lesli Otake is nearing the end of a rotation that took her from the Engineering and Technology Group to a MILSATCOM Division program office. (Photo: Elisa Haber)

Lesli Otake, engineer, Systems Engineering and Effectiveness, within the MILSATCOM Division, is about 11 months into her rotation from the Modeling and Simulation Department, within the ETG's Systems Engineering Division. She came to Aerospace as an intern in 2003.

Otake was not looking for a specific project or job when she entered the rotation program. Her desire was to learn more about what it is like to be in a program office.

"This experience is exposing me to the programmatic side of the problems I used to solve with technical solutions," she said. "It is so much clearer that 'the answer' is a compromise between time, money, technical achievability, and politics."

Otake explains the ARP experience as being similar to an internal Aerospace internship.

"You live the life of someone where the 'grass is greener,'" she said. "I really appreciate having a safe option to explore more of the company. You learn to approach problems from a different perspective, and that can only make you a better person and employee."

Food Blogger Visits the Cafe in Chantilly

by Bryan K Tsunoda
August 24, 2015

[Editor's Note: The Orbiter asked local food blogger Bryan Tsunoda, who is also a director in the Corporate Communications and Public Affairs Division, to write about the Café at the Aerospace Chantilly campus. His report follows.]

I recently returned from a trip to our Chantilly office. The last time I was there, I had lunch onsite at the Aerospace Café and was pleasantly surprised with the curried lamb stew entree. I was curious whether this was a fluke or whether the food was actually good.

Unless you're eating at a Chinese restaurant, you don't usually find crab soup on California menus. Even less common is Maryland crab soup. So when I saw it on the Café menu, I decided to order it. True to East Coast tradition, it consisted of crabmeat, stewed tomatoes, beef broth, lima beans and Old Bay seasoning. The soup was actually quite tasty, but it was a tad salty.

Cowboy Flank Steak was the special entrée that day. A slightly sweet and smoky rub was applied to the outside before it was seared over high heat. The quality of the meat was superb as it was plastic-knife tender. Since the meat was cooked medium, it



The Cowboy Flank Steak was tender and moist, served with corn and red peppers. (Photo: Bryan Tsunoda)

was still pink and retained a lot of its moisture. Roasted corn and peppers was a nice side dish to the flank steak.

I almost never order smoothies, but decided to try one. I expected to see them prepare the smoothie with frozen pieces of fruit and was delighted to see them add fresh strawberries and peaches. Honey, plain yogurt and ice cubes were added and blended. How was it? The end result was thick, creamy and delicious.



The Maryland crab soup was tasty, but a bit salty.
(Photo: Bryan Tsunoda)

Visiting the hotel's breakfast bar the next day, I was dismayed to find that their oatmeal was again covered with about two inches of water. Not wanting to experience that again, I decided to head to the office and eat at the Aerospace Café.

An attractive display of fresh donuts, pastries, fresh fruit, oatmeal and pre-made breakfast sandwiches was available. They also have daily "Wake Up" specials like an apple fritter, breakfast burrito, or French toast.

The Danish pastry had a strong buttery taste and the blueberry filling had the consistency of a thick jam. Since I didn't want to stain my shirt, eating the Danish quickly became a knife and fork operation. The oatmeal was cooked through and had the perfect consistency. I topped it with dried cranberries and honey. I'd definitely have the Danish and the oatmeal again.

The second day my friend, colleague, and foodie, John Ranaudo, joined me for lunch. I ordered the flatbread sandwich with grilled chicken, tomatoes and melted cheese. I also ordered a side of rainbow chard. John ordered the Chicken Alfredo with Portobello mushrooms. He surprised me by saying "I could spend eight bucks back home and get something that tastes like cardboard. This is really tasty and doesn't taste like cafeteria food at all!" My flatbread was nicely toasted and the grilled chicken was fresh and tasty. The chard was sautéed and nicely seasoned.

The portion sizes for Café entrees are slightly smaller than what is served in the El Segundo cafeterias. Entrée prices are slightly less, ranging from \$5-\$6 and side dishes (often vegan) are typically \$1.25. I like the fact that everything is served a-la-carte and so food waste is kept to a minimum.

I recall the days when I visited Chantilly and worked from Greens I. A couple of times I didn't plan my day very well and ended up eating out of the vending machines. I'm grateful that those days are gone as the Chantilly office now has a quality food services provider.



The flatbread sandwich was nicely toasted with tasty grilled chicken. (Photo: Bryan Tsunoda)

British Researcher Gets Big CAT Scan at Aerospace

August 17, 2015

By Davina Rose Myers

A British academic researcher turned to Aerospace's Electronics and Photonics Laboratory recently for computerized tomography (CT) scans of fossilized big-cat skeletons recovered at the La Brea Tar Pits in Los Angeles.

Dr. John Hutchinson, professor of evolutionary biomechanics at the Royal Veterinary College in London, arranged to bring skeletons of two Smilodons (saber-tooth cat) and one atrox (American lion) to Aerospace for the scans.

Based on carbon-14 dating done at UC Irvine, the fossils are around 37,000 years old. Bone maturity, or the fusion of certain bones, show that the specimens were adults. In life, the species were about the size of a Siberian tiger. Hutchinson's research straddles the fields of evolutionary biology and biomechanics, with an emphasis on how large animals stand and move and how their locomotion evolved over time. The work that brought him to Aerospace involves comparing ancient large cats to modern-day big cats.



Neil Ives, left, explains a scanned tiger bone image to Dr. John Hutchinson of the Royal Veterinary College. (Photo: Eric Hamburg)

The Aerospace CT scanner was used to make full 3-D representations of the bones so that they can be examined by researchers and shared with both the Page Museum at the La Brea Tar Pits and the Natural History Museum of Los Angeles County. These scans will allow researchers to study the internal and external shape of the bone and bone thickness.

August 2015 Anniversaries

by Elaine Young
August 03, 2015

5 Years

Engineering and Technology Group: Adam Bushmaker, Breana Zweben, Diana Webber, Janise Taylor, Jared Dulmage, Meredith Hennan, Michael Watson, Samuel Konowitch, Scot Heckman, Song-Jun Hu, Wai Lam

National Systems Group: David Newman, Kyle Hanifen, Michelle Lash

Operations and Support Group: Ben Traina, Michael Horn

Systems Planning, Engineering, and Quality: Donald Day

Space Systems Group: Alan Arehart, Anthony Micale, Clyde Bateman, Herbert Zollar, James Irvine, James Krueger, Soheil Mohasesi, Steven Boughner

10 Years

Engineering and Technology Group: Carlos Rexach, Christopher Florio, Mary Jo Gura, Maxim Lainer, Sante Scuro

National Systems Group: Michael Tomasulo

Systems Planning, Engineering, and Quality: Rebecca Bitterly

Space Systems Group: Daria O'Neill, Johnnie Cooper, Pamela King

15 Years

Engineering and Technology Group: John Nilles, Kathleen Hollison

National Systems Group: Bizhan Zarnegar, Coleen Trexler, James Martin, William Wolfner

Operations and Support Group: Jeffrey Remington, Kimberly Locke

Systems Planning, Engineering, and Quality: Kristen Kolarik, Michelle Cinlemis, Steven Frolik

Space Systems Group: Laura Krothapalli, Ricky Ort, Sharon Talley, Stacey Campbell, Terry Kim

Vaeros: John Overstrom

20 Years

National Systems Group: Dan Hanifen, Sergio Alvarado, Thomas Johnson

Operations and Support Group: Mindy Dayton

25 Years

Engineering and Technology Group: Judith Kerner, Lisa Stiles, Mark Crofton, Timothy Wilkinson

30 Years

Engineering and Technology Group: James Womack, Mark Lalic, Susan Vogel

National Systems Group: Warren Woodward

Operations and Support Group: Kathleen Nilges

Space Systems Group: Hirant Rakijan, Regina Lozano, William Johnston

35 Years

Enterprise Information Services: Alita Mewborn

Engineering and Technology Group: Gary Marshall

Space Systems Group: Candace Puls, Jess Leyva

55 Years

Enterprise Information Services: Emlyn Mc Elroy, who joined The Aerospace Corporation on August 22, 1960, is the company's only active 55-year employee.

August 2015 Obituaries

by Elaine Young

August 01, 2015

Sincere sympathy is extended to the families of:

Philip Avrin, system director, hired Nov.9, 1992, retired May 1, 2002, died June 13, 2015.

Bernice Bjerke, engineering specialist, hired March 13, 1961, retired May 1, 1985, died July 25, 2015.

Craig During, senior telecom service desk, hired Dec. 13, 1999, retired Jan. 1, 2014, died June 26, 2015.

Floyd Hawkins, member of the technical staff, hired Nov. 20, 1961, retired Oct. 1, 1986, died July 19, 2015.

Richard Huddlestone, engineering specialist, hired Nov. 3, 1960, retired Oct. 1, 1984, died July 11, 2015.

Donald McAllister, senior engineering specialist, hired May 7, 1979, retired March 1, 1990, died Nov. 24, 2014.

Arnold Nelson, manager of administrative standards, hired Feb. 11, 1963, retired April 1, 1986, died June 12, 2015

David Nixon, senior engineering specialist, hired Oct. 6, 1980, retired Jan. 1990, died June 9, 2015.

Richard Noke, member of the technical staff, hired July 24, 1961, retired July 1, 1984, died July 2, 2015.

Elizabeth Olsen, administrative secretary, Sept. 18, 1972, retired Feb. 1, 1988, died July 25, 2015.

Peter Portanova, principal director, hired Oct. 29, 1962, retired Dec. 1, 2011, died June 26, 2015.

Henry Sampson, Senior Project Leader, hired Aug. 21, 1967, retired Sept. 1, 2004, died, June 4, 2015

Richard Sheffer, director, hired march 12, 1962, retired July 1, 1986, died July 8, 2015.

John Sorrels, member of the technical staff, hired June 21, 1962, retired Dec. 1, 1990, died June 26, 2015.

Herbert White, member of the technical staff, hired Nov. 3, 1962, retired June 1, 1989, died July 8, 2015.

To notify Aerospace of a death and have it included in the Orbiter, please contact Cynthia Johnson in Human Resources at 310-336-5806.

August 2015 Notes

by Elaine Young

August 01, 2015

Notes of appreciation to fellow employees and Aerospace for thoughtfulness and sympathy have been received from:

Judy Kerner, on the recent passing of her father, Joshua Weiss.

Myra Watts, on the recent passing of her father, Floyd Watts.

John Maksymowicz, on the recent passing of his mother-in-law, Ernestine Luzania

To submit a note of appreciation to Aerospace, please contact Valerie Jackson in Human Resources at 310-336-0891.