

ORBITER

The Aerospace Corporation, El Segundo, Calif., July 20, 2005, Vol. 45, No. 7

Make your retirement plan choice by Aug. 19

This week employees can expect to receive at their homes Choice Kits that include information on the new Combined Retirement Program (CRP) and a Web site address for the Aerospace Retirement Choice Modeler, an online tool for modeling different retirement scenarios.

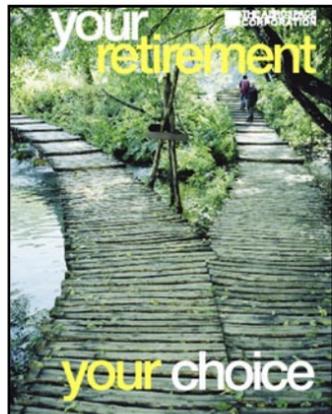
The Choice Period for making a retirement program election is Monday, July 25, through Friday, Aug. 19.

Employees in regular status hired or rehired prior to April 1, 2005, have a one-time opportunity to elect the new CRP, which will become effective Oct. 1, 2005, or to remain in their existing retirement plan. Existing plans are the Aerospace Employees' Retirement Plan (AERP) and the Aerospace Savings Account Plan (ASAP). AERP and ASAP are being renamed AERP 1 and ASAP 1, effective Oct. 1, 2005. All employees hired or rehired prior to April 1, 2005, must make an election.

The new CRP combines elements of a traditional defined ben-

efit pension plan under the AERP 2 plan provisions, and a defined contribution savings plan under the ASAP 2 plan provisions.

The materials are the final mailings in a series of "Your Retirement, Your Choice" materials sent to employees' homes during the past several weeks. Employees should have already received two "Your Retirement, Your Choice" newsletters at their homes. The newsletters feature a variety of information about the CRP and the two existing retirement plans. The information is designed to



assist employees with making an informed decision about the retirement program that best suits their future needs.

A briefing schedule for the El Segundo and regional offices has been posted on the "Your Retirement, Your Choice" Web site at employees.aero.org/yourchoice. The site includes an abbreviated online briefing, frequently asked questions, an online tutorial on how to use the Aerospace Retirement Choice Modeler and a link to the modeler Web site. The modeler can also be accessed directly by going to www.aero-retirement.com.

Although other systems may work, the most reliable one for accessing these Web sites is Internet Explorer, Version 6, using a PC. Because of large video files on the Web site employees.aero.org/yourchoice, dial-up connections will require longer download times.

For more information call (310) 33MONEY (310-336-6639) or e-mail Employee Benefits at retirement.questions@aero.org. ■



Dan Gutierrez and Jean Ghianuly hold the Rideshare Diamond Awards presented by the Los Angeles County Metro Transportation Authority. Gutierrez received his award for efforts related to alternative commuting and Ghianuly accepted on behalf of the corporation for its commuting efforts.

Commuting efforts shine with pair of Rideshare Diamond Awards

Aerospace received its fourth Rideshare Diamond Award from the Los Angeles County Metro Transportation Authority for its rideshare efforts.

The award was recently presented at the seventh annual Rideshare Diamond Awards ceremony held at the Biltmore Hotel in Los Angeles. The corporation's group

efforts to promote vanpooling and alternative forms of commuting were recognized at the event. Dan Gutierrez received an individual Rideshare Diamond Award for his efforts as they relate to alternative commuting (see related article, page 2).

Established in 1970, the corporation
SEE COMMUTING, PAGE 2



Kevin Bell



Kirk Nygren

Insights into NRO to be next "Our Place in Space" topic

The Aerospace seminar series "Our Place in Space," geared toward nonengineering and nonscientific personnel, continues into its second year with a presentation Thursday, July 21, by Dr. Wanda Austin, senior vice president, National Systems Group.

Her topic, "Hear No Evil, See No Evil, Speak No Evil: Insights Into the Work of the NRO," will be offered at two different times in A1-1062. The first presentation will begin at 1 p.m. PDT followed by an encore presentation at 3 p.m. PDT. The presentation at 1 p.m. PDT will be

available via videoteleconference to those regional offices making prior arrangements.

Upcoming presentations in the series will include the Missile Defense Agency, an unclassified briefing on Project West Wing, and the Space Materials Lab.

The series marked its one-year anniversary in March and presenters during the series' first year were recognized by Dr. Joe Straus,

SEE OUR PLACE, PAGE 3

NSG and SLO announce L4 leadership posts

Kevin Bell has been appointed principal director, Concepts and Applications Directorate, Advanced Technology Division, National Systems Group (NSG), and Kirk Nygren has been promoted to principal director, Mission Integration and Systems Engineering, Evolved Expendable Launch Vehicle (EELV) Division, Space Launch Operations (SLO).

In his new position, Bell is responsible for a range of science and technology programs within the directorate that provide advanced concepts, technology development, and architecture and strategy support to the National Reconnaissance Office. His projects include space-related intelligence solutions, development

of advanced information systems, and maturation of enabling technologies for future systems.

Bell's most recent position was principal director, System Planning and Engineering, Missile Defense Division. He joined the corporation in 1992 as a member of the technical staff, Vehicle Systems Division, Engineering and Technology Group (ETG).

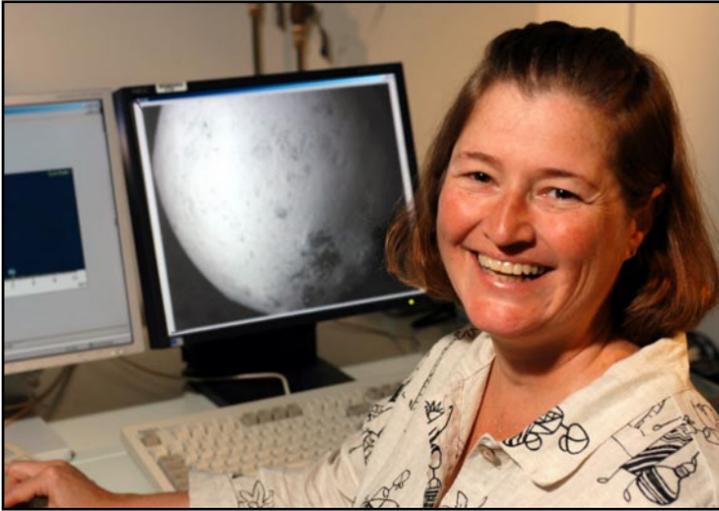
In his new position, Nygren is responsible for leadership of mission management, systems analysis and systems engineering on all EELV missions. His duties include mission integration, systems engineering disciplines, the EELV Spacelift Telemetry Acquisition and Reporting System and launch verification.

Nygren joined Aerospace in 1987 as a member of the technical staff in the Vehicle Systems Design Department, ETG. His most recent position was systems director for Mission Management, EELV Division. ■

A Meeting of the Minds



Dr. Bill Ballhaus, left, president and chief executive officer, greets Gordon England, acting deputy secretary of Defense and secretary of the Navy, during a visit June 30 by England to the El Segundo offices. At right is Lt. Gen. Mike Hamel, commander, Space and Missile Systems Center, Los Angeles Air Force Base.



Meg Abraham sits in front of an image scanned by the electron microscope that was used to assist students doing an archaeological study of artifacts.

Meg Abraham helps students analyze artifacts

Meg Abraham, a technical staff member in the Micro/Nano Technology Department, has been volunteering her time to help University of Southern California undergraduate students with their archaeological study work.

The students are taking an archaeological laboratory course with majors ranging from biomedical engineering to religious studies. They have been studying artifacts from Kenan Tepe in Turkey, part of an excavation site called the Upper Tigris River Project.

However, the students' work was stopped when their scanning electron microscope with energy dispersive X-ray analysis (EDX) capabilities broke down. Abraham is a trained operator of the corporation's EDX machine and wondered if she could run the samples for

the students after business hours while the machine was not in use by Aerospace employees.

After receiving approval from her management, Abraham began helping the students. "The system allows for imaging as well as analysis of the elemental composition of a sample," said Abraham. "At Aerospace, the machine is used for looking at fine features in parts destined for or returning from space." But in this case, the machine is helping students figure out the type of composite that makes up the artifacts.

"It can be used to tell if a sample from an archaeological artifact is made of silver or lead, or to discern if a copper colored object is made of copper or bronze," explained Abraham. Next, the archaeologists may be able to discern sociological facts about the people who lived at the site, based on the findings. Abraham said she and the students have been looking at a number of types of materials from the site, including glass/ceramic beads, bone, metals and slags. ■

East Coast employees run, walk for health awareness

Employees at the Washington-area offices recently participated in two different events aimed at raising awareness on health issues. Some received awards for their participation and others raised money for an organization dedicated to breast cancer education and research.

5K Run, Walk

Employees in Virginia joined the National Reconnaissance Office (NRO) and other aerospace-industry employees for the NRO's annual spring 5K run and two-mile walk May 13. The event was organized in recognition of Employee Health and Fitness Day and National Fitness Month, and was sponsored by the Aerospace Benefits Office in Chantilly.

More than 30 Aerospace employees participated in the run/walk, with four people from the National Systems Group taking home awards. Jason Feig, systems director, Space

Systems and Technology, Imagery Programs Division, won for the first male walker to cross the finish line.

Winning first place in the 5K for their respective age groups were: Stephanie Danahy, principal director, Systems Applications, Imagery Programs Division; Dr. Laurel Kirkland, project engineer, Advanced Sensor Applications, Advanced Technology Division; and Jacqueline Unitis, systems director, National Systems Engineering and Architecture, Planning and Communication Division.

Race for the Cure

The "Aero Stars" hit the streets of Washington, D.C., joining thousands of other runners and walkers in the 16th annual Komen National Race for the Cure, held June 4.

For the sixth consecutive year, National Systems Group employees Mary Ann Koman, Advanced Technology Division,

SEE EAST COAST, PAGE 3

Commuting

FROM PAGE 1

ration's vanpool program holds the distinction of being the longest running commuter vanpool program west of the Mississippi. Jean Ghianuly, senior employee transportation coordinator, Commuter Services, estimates that the program has covered more than 16 million miles in its 35-year run, a figure that translates to more than 30 round-trip missions to the moon.

The ceremony honored companies that develop and implement innovative programs to encourage employee participation in ridesharing.

This year, Aerospace was selected for recognition in the Group Achievement category for its work with Raytheon and Boeing pooling resources to establish and maintain the most successful vanpool network in the region. Ghianuly accepted the award on behalf of the corporation.

"When we transitioned from the Aerospace leased vanpool fleet to a third-party leased vanpool fleet in 1999 for our vanpool program, we were able to accommodate non-Aerospace and Air Force riders from the surrounding companies," Ghianuly said of the partnership

Dan Gutierrez lauded for AEA club efforts

Dan Gutierrez, senior project engineer, MIL-SATCOM Division, and an avid cyclist, received an individual Rideshare Diamond Award for "outstanding contributions" to the Aerospace Employees' Association (AEA) Cycling / Bike Commuter Club.

Gutierrez founded the club in 1994 out of a desire to improve facilities and services for cycling commuters. Since then, the club has played a key role in persuading the corporation to procure additional bike lockers, and in developing such events as

the annual Bike-to-Work Week and monthly cycle-commuter breakfasts.

"I've had the privilege of organizing and representing commuter cyclists at Aerospace," Gutierrez said. "The club has also helped me meet many other employees who enjoy cycling," he added.

In addition to recruiting new cyclists at Aerospace, the club has increased cycling participation and awareness in and around the El Segundo area. A certified traffic cycling instructor with the League of American Bicyclists, Gutierrez is working with Commuter Services and other area employers to establish a traffic cycling skills training program for bicycle commuters in the El Segundo area. ■

shared by the three companies.

Currently, Aerospace boasts 45 shared ride vanpools servicing areas including the San Fernando Valley, Ventura, Orange, Riverside and San Bernardino Counties. Though costs to employees include a portion of the van lease as well as fueling charges, Aerospace supports the program by offering a \$39 per month subsidy to participants. In May, 256 subsidies were

distributed to vanpool commuters, while 35 employees requested the \$15 public transit subsidy.

For more information on available vanpool and mass transit subsidies, refer to Bulletin No. 2087. Those interested in joining a vanpool can visit the Commuter Services Web site at <http://info.aero.org/facilities/genserv/support/> or contact Jean Ghianuly at ext. 6-POOL or 67665. ■



Kari Bingen holds the award she received for her volunteer efforts with the Federation of Galaxy Explorers, an organization founded to educate and inspire the nation's youth in space-related science and engineering. Joining her is Nick Eftimiades, founder and chair of the federation's board.

Kari Bingen is recognized for her volunteer efforts with youths

Kari Bingen, a senior member of the technical staff in the Center for Space Policy and Strategy, National Space Systems Engineering, Systems Planning and Engineering, received the James E. Haywood Award for Excellence at the first annual Federation of Galaxy Explorers Ball held June 18. Aerospace was among the sponsors of the event held in

Arlington, Va.

The non-profit, all volunteer organization was founded to educate and inspire America's youth in space-related science and engineering. Its vision is to expand the frontiers of science and technology to explore and develop space. Its mission is to educate, guide, and prepare the next generation to accept the challenge of expanding human-

kind's presence in space.

The citation for the award reads, "This award was presented to the volunteer who demonstrated superior performance in four areas: teamwork, organization, dedication, and hard work. This volunteer uses superior organizational skills to develop the organization in an inclusive fashion that welcomes all participants. In addition, this person demonstrates dedication to the cause of educating children in science and engineering and the willingness to act on that dedication through hard work."

Bingen has been a part of the organization for the past two years. As the group's chief operating officer, Bingen has been responsible for coordinating volunteers and overseeing the development and implementation of many educational programs including the 2004 and 2005 summer camps, special events, and new mission team indoctrinations.

"I have been fortunate to have a few great people in my life who have influenced me and encouraged me to pursue my interests in space," said Bingen. "I see this as my little way of returning the favor."

As a staff member of the Aerospace Center for Space Policy and Strategy, Bingen supports the National Security Space Office in space protection strategy development and implementation. She also supports the National Geospatial-Intelligence Agency in formulating a strategy and implementation plan for the use of current and future commercial remote sensing space systems.

For more information about the Federation of Galaxy Explorers, visit www.foge.org. ■

Women's Week events begin on Aug. 22

The Aerospace Women's Committee (AWC) will celebrate Women's Week Aug. 22 through 25 in El Segundo. The theme this year is "Opportunity Through Change."

The week opens with the Women of the Year awards ceremony Monday, Aug. 22, which recognizes the 2005 Women of the Year. The ceremony will be held in A1-1062 starting at 11:30 a.m. A brief reception will follow in A1-1082. The awards program will be videobroadcast to those regional offices making prior arrangements.

During the week's celebration, employees are invited to participate in an outdoor luncheon Aug. 23 offered for a nominal fee. A speaker from Clothes the Deal, a non-profit organization that provides clothing for men and women seeking employment after being out of the workplace for some period due to a personal crisis, will talk about the organization on Tuesday, Aug. 23, in the Paulikas Mall.

For the second consecutive year, AWC will sponsor a clothing drive during Women's Week to benefit those who are trying to reenter the workforce after a

2005 Women's Week Events

EL SEGUNDO

Monday, August 22
2005 Women of the Year awards ceremony
11:30 a.m. PDT, A1-1062
Reception to follow in A1-1082

◆

Tuesday, August 23
Outdoor luncheon and speaker from "Clothes the Deal"
11:30 a.m. PDT, Paulikas Mall

◆

Wednesday, August 24
Women of the Year luncheon
11:30 a.m. PDT, A3 Dining Rooms A and B
(By invitation only)

◆

Thursday, August 25
Keynote Speaker Carol Lin, CNN Broadcaster sponsored by AWC
11:30 a.m. PDT, A1-1062

Reception honoring Women of the Year
4:30 p.m. PDT at the home of Judy Gonser
RSVP by Aug. 16 to Emily Lewis at ext. 65432
Cost is \$14, checks payable to AWC

REGIONAL OFFICES

Monday, August 22
2005 Women of the Year awards ceremony videobroadcast
2:30 p.m. EDT
Chantilly 6A Conference Room

personal crisis. For the first time, clothing items for men will be included in the collection. Donated items should be suitable business attire that recipients can wear on their job interviews.

Carol Lin, CNN broadcaster, will be the keynote speaker on Thursday, Aug. 25, in A1-1062. She will talk on the women's week theme, "Opportunity Through Change." ■



B. Zane Faught



Andrew Schickling

New appointments in SPO announced by corporation

□ B. Zane Faught heads Control Systems Navigation; Andrew Schickling leads Navy Space Systems

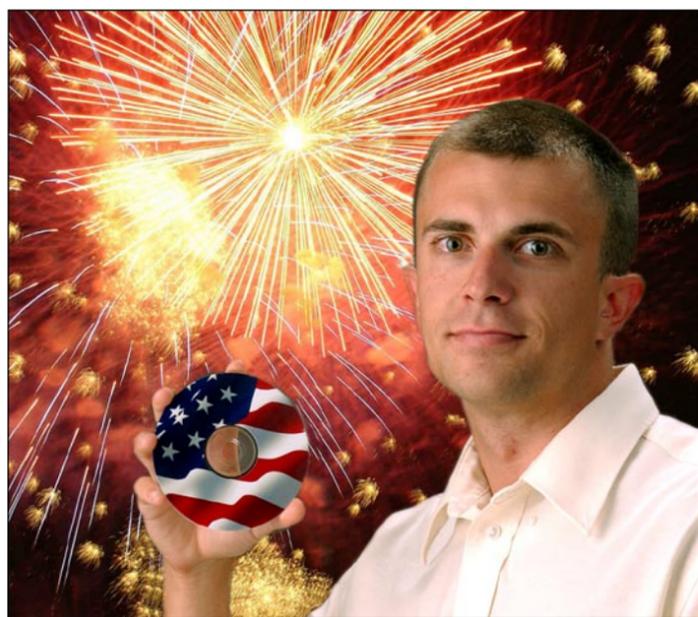
Space Program Operations (SPO) has announced the appointments of B. Zane Faught to the position of principal director, Control Systems Navigation Division, and Andrew Schickling to principal director, Navy Space Systems, Space Support Division. In his new role, Faught is responsible for the leadership and management of Aerospace resources in the Control Systems segment of Global Positioning System legacy and development systems.

Faught joined the corporation in 1986 as a member of the technical staff in the Electronic Systems Division. His previous position

was principal engineer, Navigation Division.

In his new position, Schickling is responsible for guiding the corporation's support of design, development, integration and test and launch of the Mobil User Objective System Satellite. In addition, he is responsible for sustaining the Ultra High Frequency Follow-on programs.

Schickling joined Aerospace as a member of the technical staff in the Centaur program office, Launch Programs Division in 1991. His previous assignment was principal director, SBIRS High Space, Space Based Surveillance Division. ■



Michael Tockstein holds a disc featuring a variety of fireworks demonstrations that he included in a Fourth of July video for troops overseas.

Pyrotechnic expert lights up July 4th for troops overseas

Supporting the warfighter means different things to different employees at Aerospace. For Michael Tockstein, an associate member of the technical staff, Electronics Systems Division, it has meant giving troops overseas a patriotic Fourth of July, regardless of their location.

Tockstein was contacted via e-mail in June by an Army communications sergeant stationed in Iraq who was looking on the Internet for information on fireworks displays. Unable to have a live fireworks show for the deployed soldiers, the sergeant was hoping Tockstein could supply a video version for their celebration.

"I thought I could give the troops a little taste of home to help them celebrate what they were fighting for," said Tockstein, a pyrotechnic enthusiast since grade school.

In his archives, Tockstein had a 20-minute video of an Independence Day fireworks show choreographed to patriotic music he made for Ventura College last year. He sent the video to the sergeant, who then downloaded the digital file and enhanced it. The result was a projection-quality film to show the troops.

"Thanks to you, the Fourth of July was a big hit," the sergeant wrote Tockstein in a letter following a showing of the film on a 30-foot

makeshift screen to the troops. "Nothing beats seeing it live, but this comes pretty darn close."

Closer to home, Tockstein was commissioned to execute the fireworks show for Ventura College's celebration again this year. "It is an exciting job, I enjoy the technical side of it, and you never get enough of hearing the roar of the crowd after the finale," Tockstein said.

He earned his pyrotechnic operator's license in 2001 after completing two years of training and obtaining state fire marshal certification. He is the main pyrotechnic operator for four to six shows a year ranging from the Fourth of July to high school homecoming celebrations. Tockstein has also helped crew shows for the Rose Bowl, the L.A. Dodgers, and the L.A. Galaxy. ■

East Coast

FROM PAGE 2

and Denise Macmac, Special Security, served as team co-captains. Aerospace team members also included Shelly Brosnan, Reconnaissance Systems Division, Peggy Tatum, Corporate Information Resources Division, and Sandy Kratt, Communications Architecture. The Aerospace team raised \$1,755.

The event is sponsored by the Susan G. Komen Breast Cancer Foundation, an organization dedicated to education and research on breast cancer causes, treatment, and the search for a cure. The goal of this 5K run/walk was to emphasize the importance of saving lives through early detection. ■

Our Place

FROM PAGE 1

executive vice president and series sponsor, at the Level 5 and 6 senior management meeting in April. Straus was also recognized for his support of the seminar series.

The series features presentations by technical organizations in an interactive format that provides insight into specific satellite programs, launches, testing capabilities, and research areas supported by the corporation. For more information visit the "Our Place" Web site at <http://web.aero.org/ourplace/>. ■



Dr. Joe Straus, fourth from left, "Our Place" sponsor, joins some of the presenters in the first year of the "Our Place" seminar series who were recognized for their support. From left are, Dr. Gary Pulliam, John Langer, Randy Kendall, Straus, Barbara Hainey and Mary Hornickel, series moderators, Dr. Dave Hickman, and Dr. Bruce Janousek.

News Briefs

Bill Ballhaus talk on NSS available at library

The July 12 presentation by Dr. Bill Ballhaus, president and CEO, titled "Successes and Challenges in Transforming National-Security Space," is available on DVD by contacting the Circulation Desk at the Lauritsen Library at 310-336-5110.

The speech was originally given as the 2005 American Institute of Aeronautics and Astronautics (AIAA) von Karman Lecture at the AIAA's Aerospace Sciences meeting held at Reno, Nev., in January.

Information offered on divorce issues

Employees needing information on divorce and related issues can request a packet of articles called "Changing Relationships: Divorce and Separation" through the Employee Assistance Program (EAP).

The packet can be requested from LifeEra, Inc., which provides EAP services under United Behavioral Health. The packet includes information on the benefits of mediation, resources and support for divorcing parents, and tips on re-entering the dating world.

The packet of articles can be obtained by:

- Visiting the Web site at www.liveandworkwell.com, entering access code 6931 and then clicking on the Read the Newsletter button on the left side of the page.

- E-mailing to lifera_articles@uhc.com and mentioning the packet by

title

- Calling the automated Materials Request Line at 1-877-318-9400

LifeEra specialists are available 24 hours a day, 365 days a year at 877-222-6730. Information on other topics and resource links are available at www.liveandworkwell.com.

Inventor awards go to ETG employees

Eighteen employees and one former employee from the Engineering and Technology Group received inventor award certificates and checks in April.

- **Neil Ives, Dr. Maribeth Mason, Dr. Nicholas Marechal, Dr. Martin Leung, Chia-Hsin Suen and Dr. David Straw**, Microelectronics Technology Department, Laboratory Operations, for their invention, "Image Processing Method for Shape Determination of Deployable Space Based Adaptive Membrane Antenna."
- **Dr. David Ksienski**, Radar and Signal Systems Department, **Dr. James McKay** and **Dr. Gwendolyn Shaw**, both of the Antenna Systems Department, **Keven MacGowan** and **Dr. Samuel Osofsky**, both of the Communication Electronics Department, all of the Electronic Systems Division, for their invention, "Higher-Order Intermodulation Reduction Using Phase and Angle Smearing."
- **John Maksymowicz**, Digital and Integrated Circuit Electronics Department, Electronic Systems Division, for his invention, "Advanced High Speed Digital Spacecraft Electro-Optical Sensor Data Processing Module with Laser Communica-

tions Applications."

- **Dr. James McKay**, Antenna Systems Department, Electronic Systems Division and **Gan-Tai Tseng** formerly of the Guidance Control Subdivision, Vehicle Systems Division, for their invention, "Switched Combiner GPS Receiver System."
- **Heinrich Muller**, Photonics Technology Department, Laboratory Operations, for his invention, "Thermal Conductor with Adjustable Thermal Expansion Coefficient."
- **Edward Simburger**, Energy Technology Department, Laboratory Operations, **Peter Carian**, Space Electronics Vulnerability Office, and **Dr. Daniel Rumsey**, Digital and Integrated Circuit Electronics Department, Electronic Systems Division for their invention, "Intelligent Solar Cell Regulator Circuit."
- **Dr. Richard Welle**, Innovative Materials, Laboratory Operations, for his invention, "Electro-Hydraulic MEMs Valve."
- **Dr. Rafael Zalvidar**, Materials Science Department, Laboratory Operations, for his invention, "Lower Processing Temperature Resin Formulation for Applications Requiring Extreme Thermal and Chemical Resistance."

Individuals, team earn achievement awards

Aerospace has recognized individual and team achievement award winners for the quarter ending March 2005 as part of its Corporate Awards Program.

Individual Award Winners

Dr. Sergio Alvarado, Tim Anderson, Mark Barrera, Dr. Joe Betser, Bill Deacon, Dr. Frank Donovan,

Suellen Eslinger, Karin Feldman, Harvey Follender, James Ford, Dr. Jonathan Gayek, Dave Glackin, Dr. Sergio Guarro, Barbara Hailey, Steve Heidorn, Mary Hornickel, Dr. Kevin Kreitman, Patricia Maloney, James Martin, John Mayberry, Alice Moke, Eva Noda, William Norris, Al Peterson, Dennis Quine, Renee Simon, Dr. Gary Stupian, Marilee Wheaton, and Frank Wong.

Team Award Winners

Carole Mulchinski, Andrew Quintero and Cassandra Veliz.

Aerospace Players to stage "Kiss Me Kate"

The Aerospace Players will present "Kiss Me Kate," a Cole

Porter musical and show-within-a-show, about a troupe performing Shakespeare's "Taming of the Shrew."

Performances will be July 22 through 24 and July 28 through 30 at the Armstrong Theatre in Torrance. The production includes such songs as "Too Darn Hot," "I Hate Men," and "Brush Up On Your Shakespeare" and features a cast playing dual roles.

Tickets are \$18 for adults and \$15 for seniors 62 and older, students, and children 12 and younger. Tickets can be purchased at the Aerospace Employee Store, the Armstrong Theatre Box Office at 3330 Civic Center Drive, Torrance, or from any cast member. ■

Aerospace Players



Pat Maloney, left, vice president of The Aerospace Players, accepts the Excellence in Drama Award on behalf of the theater troupe from Ritas Smith of the Torrance Cultural Arts Commission. The theater group was recognized for its many years of bringing musical theater to the South Bay community. Maloney works in the Engineering and Technology Group.

People

June Anniversaries

30 YEARS

Engineering and Technology Group: Paul Carranza, Imelda Inguanzo
Space Program Operations: Lynda Bergmann, Jessie Moore
Systems Planning and Engineering: Evelyn Washington

25 YEARS

Corporate Information Resources Division: Mark Jensen
Engineering and Technology Group: Steven Hast, Robert Shintaku

National Systems Group: Ronald Goetz, Andre Montoya
Office of the General Counsel and Secretary: John Vesco
Space Launch Operations: Hugh Barnwell, Richard Gerardi, Richard Hayden
Space Program Operations: Arnold Lee
Systems Planning and Engineering: Phyllis Butler, Josephine Washington-Fraz

20 YEARS

Corporate Communications: Timothy Bell
Corporate Information Resources Division: Tammy Choy
Engineering and Technology Group: Laura Taul
Facilities Division: Gilbert Fisher
Human Resources and Administration: Julia Soules
National Systems Group: Rich Coleman, Brian von Kleck
Office of VP, CFO and Treasurer: Karen Scott
Space Launch Operations: Steven Crane, Melvin Cutler, John Gladwell
Space Program Operations: Michael Bolla

15 YEARS

Engineering and Technology Group: Yat Chan, John Charroux, Sonia Henry
Facilities Division: Damon Rogers, Tobey Sanders
Space Launch Operations: Victoria Flaskerud, Jeffery Ramos
Space Program Operations: Christine Jones, Carolyn Kieffer

10 YEARS

Engineering and Technology Group: Gary Lin, Timothy Park, Joel Thomas, Mario Tinto, Wayne Vanlerbergh

Human Resources and Administration: Jack Hayden
National Systems Group: Stephen Stoops
Space Program Operations: Cheryl DeMatteis

5 YEARS

Corporate Communications: Mike Morales
Engineering and Technology Group: Tiange Fan, Dewan Haque, Shawn Iravanchy, William Maillard, Vahagn Petrosyan, Ken Piper, Charles Robinson, Jake Salter, David Wenzel, Frank Wong
Facilities Division: David Pacheco
Human Resources and Administration: Lorraine Aguirre-Coray, Theresa Davis, Alvania Thompson
National Systems Group: Carol Thompson, Lara White
Space Launch Operations: Scott Huntington, Eric Lloyd, Robert Seibold
Space Program Operations: Maryann Hutchison, Kenneth Lau, Andrew Walther
Systems Planning and Engineering: Richard Boller, Stephanie Loverro, Vernon Tryon
The Aerospace Institute: Joel Shrater

Appointments

ENGINEERING AND TECHNOLOGY GROUP
Computer Systems Division—Daniel Stoffel to director, Telemetry and Hardware Technology Department, Computer Engineering Subdivision.
Electronic Systems Division—Mark Lange to senior engineering specialist, Antenna Systems Department, Communication Systems Subdivision.

Systems Engineering Division—Evelyn Davalos to the position of associate director, and **Abraham Santiago** to the position of senior project leader, both of the Cost and Requirements Department and **John Lee** to the position of senior engineering specialist and **Hai Vo** to the position of senior project leader, both of the Ground Systems Development and Operations department, all of the Business and Operations Analysis Subdivision; **Dr. Laura Krothapalli** to engineering specialist, and **Dr. Marcus Lobbia** to senior member of the technical staff, both of Space Architecture Department, Architecture and Design Subdivision.

NATIONAL SYSTEMS GROUP
Planning and Communications Division—Sara Miller to the position of senior project engineer, Communications Systems and Information Technology Directorate; **Leslie Newcastle** to senior project leader, Engineering, and **Dennis Sutcliffe** to senior project leader, Operations, both of Military Support.

OFFICE OF THE VICE PRESIDENT, CHIEF FINANCIAL OFFICER AND TREASURER
Contracts, Procurement and Property Directorate—Anita Ferber to the position of director, Department of Defense Contracts Department and **Marie Smith** to the position of director, Civil and Commercial Contracts Department, both of Contracts Procurement and Property Directorate.

SYSTEMS PLANNING AND ENGINEERING GROUP
Space Operations, Requirements, and Technology—Samuel Downs to senior member of the technical staff, and **Michelle Cinlemis** to se-

nior project engineer, both of Force Enhancement, Operational Requirements Directorate.

Accolades

Dr. Ellis Landsbaum, senior engineering specialist, Propulsion Department, Engineering and Technology Group, was presented with a 50-year anniversary award certificate and pin at a dinner meeting of the Los Angeles section of the American Institute of Aeronautics and Astronautics. Landsbaum was recognized at the June 17 event for his continuous membership and support of the group.

In Appreciation

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

Linda Halle, on the death of her mother-in-law, Dorothy Pagony.

Ann Koons, on the death of her husband, Harry Koons.

Linda Pagan, on the death of her father-in-law, Santos Pagan.

In Memoriam

Sincere sympathy is extended to the families of:

William Barnett, 78, manager, hired Oct. 26, 1964, retired Feb. 1, 1991, died June 24.

Mitchell Dazey, 84, research engineer, hired Oct. 17, 1960, retired Feb. 10, 1986, died June 13.

Louise Dequesne, 73, hired Aug. 10, 1981, retired Oct. 1, 1993, died May 3.

Phyllis Matherly, 87, executive secretary, hired Oct. 17, 1960, retired April 1, 1984, died June 30. ■

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