



U.S. Navy photo by Javier Chagoya

NPS Students Stabilize Shark Attack Victim

By MC1 Rob Rubio

On a crisp Saturday morning, Oct. 29, local resident Eric Tarantino, 27, was bitten along the right side of his neck and shoulder by an estimated 15–20 ft. shark while surfing at Marina State Beach in nearby Marina. As Tarantino and his friend struggled to paddle back to shore, they were fortunate to find two NPS students — Army Maj. Jonathan Bleakley and Master Sergeant Garric Banfield — who just happened to be on the beach, getting ready to paddle out and hit the waves themselves.

The two active duty service members, and NPS Defense Analysis students, with advanced training to treat acute trauma like this immediately knew something was wrong, and jumped into action.

“We could tell something was going on when these two were paddling to the shore and then ran up onto the beach,” Banfield said. “Someone said that he was bit by a shark, and we knew what was obviously going on. Even before we got there, we were yelling for first aid kits and one of our friends went to his vehicle to get one. With our Army training, the combat life saver training kicked in and we were calm and able to assist the victim.”

“I feel privileged that I was able to help him out ... and was able to use my training when it was needed.” — Army Maj. Jonathan Bleakley

After what seemed like an eternity for both the victim and rescuers, paramedics arrived in just eight minutes to take over. The students knew the victim was experiencing significant blood loss, and their quick response limited this, but they take little credit for their actions.

Bleakley remarked, “I take no credit for it other than having the Army training that I did. I was very impressed with how my training turned to him. I’m thankful that we have that training.”

Army officers get advanced trauma care training at Fort Bragg, Banfield added. “We’re not medics by any means, but we have been trained in Tactical Combat Casualty Care, which is similar to the Army’s combat life saver training with some more advanced trauma care thrown in.”

“I’m glad that I was able to do it. I’m glad that I had the training to be able to do it,” Bleakley noted. “I feel privileged that I was able to help him out ... and was able to use my training when it was needed.”



NAVAL POSTGRADUATE SCHOOL

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DECEMBER 2011

A Message From ...

Dr. James J. Wirtz, Dean, School of International Graduate Studies



Dr. James J. Wirtz
Dean, School of International
Graduate Studies

The School of International Graduate Studies (SIGS) undergoes a constant process of evolution and renewal to ensure we best serve the Naval Postgraduate School, the Navy at large and the other military services, our partners in homeland security and our international friends and allies.

The most recent example of this adaptability is the Project on Advanced Systems and Concepts for Combating Weapons of Mass Destruction (PASC). This project undertakes research on behalf of the Defense Threat Reduction Agency through the SIGS Center on Contemporary Conflict. PASC reaches out to universities and research institutes across the United States to help safeguard the nation against the threat posed by chemical, biological, radiological and nuclear weapons by providing long-term analytical perspectives on anticipated strategic threats. SIGS faculty are playing a key role in managing this multi-disciplinary research effort.

The SIGS department of National Security Affairs (NSA) has also responded to demands for new educational opportunities by creating a series of 12-week certificate programs focused on regional studies. Intended to serve as refresher programs for experienced officers, or “just-in-time” education for those being deployed to a region for the first time, these certificate programs enhance mission effectiveness by building a concrete knowledge base among military officers. The SIGS Regional Security Education Program (RSEP) is also meeting an important demand signal, increasing the number of events undertaken in 2012. By placing teams of faculty aboard Navy vessels, RSEP increases the combat effectiveness of deployed naval personnel by building regional security knowledge.

Over the last few months, there have been important personnel changes within SIGS. Professor Francois Melese, well into his first year as the new Executive Director of the Defense Resource Management Institute (DRMI), took the helm from Professor C.J. Lacivita. DRMI brings military officers from the U.S. and over 150 countries worldwide together to help train a global force in effective resource management and decision-making. Each month, the institute welcomes new participants to the multiple-week management courses. They demonstrate one of the many ways that SIGS is actively involved in worldwide outreach and education.

“Although it is difficult to predict with certainty what the future holds, the School of International Graduate Studies remains committed to creating new programs and services to help our sponsors meet the challenges posed by an ever-changing security environment.”

The new NSA Chairman, Professor Daniel Moran, recently took over from Associate Professor Harold Trinkunas, who is enjoying a well-deserved sabbatical at Stanford University’s Center for International Security and Cooperation. We would also like to welcome Naval Cmdr. Bernie Wang, the new Associate Dean of SIGS, and Army Col. Gary Espinas, the new Army Foreign Area Officer (FAO) Chair. Cmdr. Wang is committed to ensuring the students’ military needs and experiences are effectively transitioned to our academic setting. Having himself studied at the Naval War College and the Defense Language Institute Foreign Language Center, Cmdr. Wang understands the value of a quality education, and the important role it plays in an officer’s career. Col. Espinas is an invaluable support for the many FAOs on campus both in and beyond our Joint Foreign Area Officer Skill Sustainment Pilot Program. His experience in Eurasia not only gives him a global perspective, but an understanding of the demands — professional, cultural and academic — placed on today’s FAO community. Col. Espinas, too, studied at the Defense Language Institute, and received his Master of Strategic Studies degree from the U.S. Army War College. Both of these officers are critical in maintaining close links to our Navy and Army sponsors and in helping our students maximize their educational opportunities.

Although it is difficult to predict with certainty what the future holds, the School of International Graduate Studies remains committed to creating new programs and services to help our sponsors meet the challenges posed by an ever-changing security environment. We respond to pressing demands while anticipating and preparing for future threats.

“Update NPS” is a monthly publication for students, faculty and staff of the Naval Postgraduate School produced by the Office of Institutional Advancement. For additional copies, comments, or to suggest story ideas, contact the editorial staff at update@nps.edu.

Army Chief of Staff Odierno Briefed on NPS’ Defense Analysis Department

By Amanda D. Stein

On Nov. 4, Army Chief of Staff Gen. Raymond Odierno visited NPS to learn firsthand about the education and research programs underway at the university. Specifically, he was briefed by several faculty and students in the school’s Defense Analysis department, which enrolls approximately half of the Army students studying at NPS.

Odierno began his visit to NPS with a command brief offered by Associate Dean of the Graduate School of Operations and Information Sciences, Army Col. Robert Burks, providing an overview of the university’s mission, programs and research. Odierno then attended a Defense Analysis brief presented by department Chair Dr. John Arquilla.

“I was very impressed with the depth and utility of the program of instruction at the Naval Postgraduate School,” Odierno said. “Guided by a dedicated and expert faculty, the students are receiving a first-rate education that will serve them well as our nation’s future senior leaders.”

“Beyond special operations and information operations, I think the Army has been interested in the larger questions of Defense Analysis, which is what I think our department is all about,” Arquilla explained. “When you think about which of the curricula at our school are specifically, operationally oriented, this is one that seems to fit very neatly into the needs of the Army.”

With an opportunity to see specific research projects in action, Odierno was briefed by Defense Analysis students Lt. Deak Childress and Lt. John Taylor on

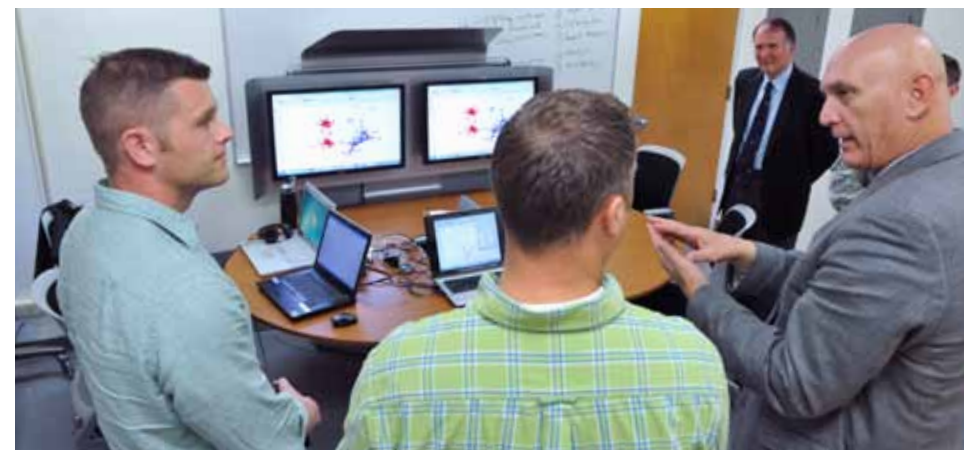
project Lighthouse. For the students, it was a unique opportunity to directly brief a service chief on their thesis research, which utilizes social network analysis to identify and illuminate potential improvised explosive device networks. Childress and Taylor hope that their project will have lasting real-world military applications.

“We were ... both extremely impressed with how quickly Gen. Odierno was able to pull the value out of a very brief discussion, and the understanding he showed of the analysis we are doing, as evidence by a couple of very pertinent questions he asked,” explained Childress.

“It is absolutely vital to keep DoD senior leadership abreast of the different types of research ongoing here at NPS,” he continued. “I think it shows them that the investments they are making by sending folks here is paying off, and the time spent here at Monterey is definitely not wasted. We are both Navy guys, so we didn’t approach this project with any one service in mind, but our research is definitely geared more to ground operators.”

At the completion of the briefing, Odierno complemented the students on their project, and encouraged them to continue the research.

“The wide variety of research and analysis that the NPS students are conducting is extremely relevant to today’s complex and uncertain strategic environment,” Odierno said. “I am also impressed with their enthusiasm and intellectual curiosity, attributes that will serve them well in the future as agile and adaptable leaders.”



Army Chief of Staff Gen. Raymond Odierno, from right, is briefed by NPS Defense Analysis students Lt. Deak Childress and Lt. John Taylor on project Lighthouse, an effort that uses social network analysis to identify potential improvised explosive device networks. (U.S. Navy photo by Javier Chagoya)

from the
MEZZ

From Nov. 1–7, NPS President Dan Oliver traveled to Washington, D.C. to attend the Navy Flag Officer and Senior Executive Service Symposium. While in the national capital region, Oliver also attended a Science, Technology, Engineering and Mathematics Panel.

From Nov. 7–10, NPS Executive Vice President and Provost Dr. Leonard Ferrari traveled to Washington, D.C. to attend various meetings in addition to his participation in the Advanced Education Review Board, the Navy’s biannual higher education review body.

From Nov. 13–16, Oliver traveled to Wright Patterson Air Force Base in Ohio for his participation in the Air Force Institute of Technology’s (AFIT) Board of Visitors. The board’s purpose is to review various aspects of AFIT, including curricula, instruction, and policies related to accreditation.

On Dec. 1, the Strategic Planning Council meeting brought together a broad spectrum of NPS administration and faculty to continue discussion on the university’s new strategic plan, outlining NPS’ accreditation reviews, objectives for national security strategies, and a look at the educational and research objectives for the coming years.

In the month of November, NPS leadership and faculty met with a number of defense leaders including Army Chief of Staff Gen. Raymond Odierno, Deputy Assistant Secretary of the Navy for Budget, Director of Fiscal Management Division Rear Adm. Joseph P. Mulloy, and Director, Undersea Warfare Division Rear Adm. Barry Bruner. These visits provide senior defense leaders a closer look at NPS programs and objectives.

From the Mezz provides a brief report on the activities of NPS’ senior administration. For more details on any of these reports, please contact the Office of Institutional Advancement at pao@nps.edu.



NPS Executive Vice President and Provost Dr. Leonard Ferrari addresses the Transformative Education Forum. (U.S. Navy photo by MC1 Rob Rubio)

Educators Gather for Transformative Education Forum

By MC1 Rob Rubio

A diverse group of thought leaders from education, non-governmental organizations, government and military joined officials from NPS for the Transformative Education Forum (TEF). With a focus on Africa, the goal of the forum was to share lessons learned and the latest research on how teachers teach, and how people learn, in hopes of building educational capacity not only on the African continent, but across the world.

“This conference, and the entire Global Challenges Forum effort, was recently established as a non-profit foundation in Geneva with the support of Mr. Talal Abu Gazaleh, of Amman, Jordan,” said NPS Executive Vice President and Provost Dr. Leonard Ferrari. “Our hope is to hold these international dialogues in different locations around the world, to focus on specific, but important, global security issues. We intend to apply that dialogue and attendee experience to the security challenges of the 21st century in order to find sets of scalable and transferrable solutions.”

TEF organizer, June Gorman, added, “The U.N. has announced that the human family reaches seven billion people on this planet ... we need to consider all of them when we think of how to design systems that work for all seven billion.”

A plenary roundtable discussion facilitated by Gorman, Ken Gnanakan and Ajume Wingo explained that the human person has many interconnections such as societal, emotional, economic and

physical and all of them need to be taken into account. The physical needs such as food are primary, as the brain simply cannot function without the chemical means needed to process information.

An English lecturer from Malawi, Jessie Zondiwe Kabwila Kapasula, expressed her concern about the way that things are done in Africa, where the women are typically forgotten. She remarked, “Women also work very hard in the fields. Often what happens is we put in the labor, but when it comes to selling the product, we are not able to go and sell on our own.”

John M. Kimole, Director of Paulmark College in Kenya, explained that many people in Kenya are currently going without food. He said, “It is not because there is no land or water. There is good land and there is water ... We need some kind of transformation in technology ... We are working hard but not working smart. We need to be smarter than yesterday because the work is there, but we are not doing good management on the land resources.”

He noted that one would be shocked to see what technology could do when it is put into the right hands. He closed by stating, “My fellow Africans and our partners in the west, let us come together, stop reacting to issues, take action in the process of policy making and act on the things we’ll turn and defend for, and there will be transformation of all kinds. It is today. Our future is in the present. What we do now will make the future better. It is time.”

NPS Welcomes New Chair of Systemic Strategy and Complexity



The NPS community recently welcomed alumnus Capt. Wayne Porter as the new Chair of Systemic Strategy and Complexity. Porter most recently served as the special strategic assistant to former Chairman of the Joint Chiefs of Staff Adm. Mike Mullen, and co-wrote “A National Strategic Narrative,” with retired Marine Corps Col. Mark Mykleby.

Porter has long contemplated complexity theory and social cognitive and behavioral as-

pects of a strategic environment, and felt that NPS was the perfect place to explore those topics collaboratively in a setting where they could have a lasting impact on research and education.

“This new position was designed basically to expose to an interdisciplinary student audience the value of applying systems and complexity theory to operational and strategic design,” explained Porter.

Porter hopes to work on his Ph.D. during his time here, and test out systems and complexity theories in potential dissertation research.

Familiar Face Returns to Systems Engineering Department

By Javier Chagoya

Associate Prof. Andy Hernandez says coming back to the Naval Postgraduate School was the best decision and fit for what he says is important work, teaching future leaders in the Systems Engineering Department.

It wasn’t that long ago that then Col. Hernandez served as the Graduate School of Operations and Information Sciences Associate Dean. He also served as a Military Faculty in Operations Research (OR), all the while pursuing a Ph.D. in OR. Hernandez just completed a 26-year Army career, and was seeking his next challenge.

“As I looked around for what I was going to do in my next life, opportunities to work in industry emerged, but I really wanted to work with students, our rising leaders,” said Hernandez. Coincidentally, Prof. and Systems Engineering Chair Clifford Whitcomb had an opening in the department, which reunited Hernandez with his colleague and friend, Associate Prof. Gene Paulo.

“I’ve known Andy for over 10 years,” Paulo

noted. “Andy’s experience in modeling and simulation, Department of Defense acquisition, and operations research, as well as his enthusiasm for working with students, made him a perfect candidate to join our Systems Engineering faculty.”

In the classroom, Hernandez believes that his own field experience can add to the student’s learning environment. Hernandez asks his students to have agility in their thinking, and not so much their ability to exercise muscle memory. “I believe that the Systems Engineering department creates a great environment for my style of teaching,” said Hernandez. “It has a solid foundation for growth and is populated with very talented people with diverse backgrounds,” he added.

Hernandez says that he looks forward to building a good research program that collaborates with all disciplines throughout NPS and supports Warfighters and student education. “If I can accomplish that, I’ll chalk myself up as successful,” he notes.

iRobot COO and NPS Grad Joseph Dyer Explores Concept Design, Development

By Amanda D. Stein

NPS welcomed guest speaker and alumnus, retired Vice Adm. Joseph Dyer, Chief Operating Officer of iRobot, Inc., Nov. 3. iRobot works closely with both defense and commercial applications to make robots available in a number of capacities — from improvised explosive device (IED) detection to household appliances.

Dyer began at iRobot in 2003, and after 32 years with the Navy, he looked to continue to use his military and business experience in the private sector.

“I was looking for a company that in the year 2003 was similar to Apple in 1980. I wanted to be part of something that was really going to change our lives.”

During his visit to NPS, Dyer spoke about the future of robotics, and its role in engineering, healthcare, housekeeping and defense.

iRobot is known within the defense community for producing back-packable robots that aid warfighters in bomb detection and disposal. The devices have proven to save lives, and



Joseph Dyer, discusses the many different kinds of robots develop through iRobot, and their applications in commercial and defense industries. (U.S. Navy photo by Javier Chagoya)

to demonstrate that, Dyer showed a photo of one that had been destroyed, presumably while conducting IED detection operations. He recalled the sense of pride in receiving a postcard from a soldier in Afghanistan with the message, “You saved lives today.”

“It’s an important time, and an important opportunity for unmanned systems,” Dyer noted. “Those of you who are working in unmanned systems have the opportunity to do great things ... to help in survivability.”

FACULTY news & notes

Operations Research Senior Lecturer **Jeff Kline** was awarded the 2011 Institute for Operations Research and the Management Sciences (INFORMS) Prize for the Teaching of the Operations Research and Management Science (OR/MS) Practice. The prestigious award recognizes Kline’s commitment to OR/MS and his many contributions to students in the field. A retired Navy captain, Kline has taught OR at NPS across ranks and grades, offering a campaign analysis course for junior-level graduate students, as well as a capstone sequence for distance-learning students.

Applied Mathematics Professor **Hong Zhou** was awarded the Carl E. and Jessie W. Menneken Faculty Award for Excellence in Scientific Research, which honors an NPS faculty member who has displayed outstanding effort and achievement in research in science and engineering. Zhou was recognized for both the quality and quantity of her research, the impact her results have had on the Departments of the Navy and Defense, and her exemplary collaboration with NPS students in all aspects of her research.

Computer Science Professor **Geoffrey Xie**, NPS graduate Lt. Scott Huchton, and Assistant Professor **Robert Beverly** were awarded the 2011 Fred W. Ellersick Military Communications (MILCOM) Award for the Best Paper in the Unclassified Technical Program, presented at the MILCOM Conference last month. Their paper, titled “Building and Evaluating a k-Resilient Mobile Distributed File System Resistant to Device Compromise,” looked at the securing sensitive mobile networks that may be appealing targets for adversaries.

Have a story to share?
Institutional Advancement is constantly seeking interesting news and stories for *Update NPS*. Send your tips to update@nps.edu.

Conference Opens Doors for Young Women in STEM Fields

By Amanda D. Stein

More than 130 young ladies from around the Monterey Peninsula attended the Expanding Your Horizons (EYH) Conference and Career Fair on Nov. 5, part of ongoing outreach efforts by NPS to engage young people in Science, Technology, Engineering and Mathematics (STEM) fields, and encourage them to explore STEM careers, where women are largely underrepresented.

NPS Chief of Staff, Air Force Col. Zoë Hale, presented opening remarks to the girls, talking about her own career in the Air Force, and how she came to be in her current role at NPS. Hale was one of many career women on-hand at the event to encourage the participants, from grades 5–10, to start thinking about potential future careers.

“I was very pleased to have been part of the EYH Conference, helping to encourage and support these young ladies ... After all, they might one day be studying or working in labs right here at NPS,” said Hale. “If you can spark an interest in the STEM fields early on, and give them access to resources and support from positive role models, we can inspire them to imagine what great things they could accomplish in their own careers.”

Participants were given a choice of 10 workshops that explored various topics — many related to this year’s focus on marine science — and gave them a chance to engage with female workshop leaders about their chosen career fields and what their jobs entail.

“EYH provides chances for young women to meet female role models and learn firsthand about how they chose careers, civilian or military, in one of the many different STEM fields they represent and are now actively engaged in,” explained Dr. Dave Nickles, NPS Director of Research Communications and Outreach, and the conference organizer. “It is one thing to read about women scientists and engineers in their textbooks, but quite another to engage with the real person.”

The career fair portion of the day allowed local STEM organizations and colleges to display booths — 13 in total — featuring information

about potential careers in their field, as well as handouts for the girls to take home to learn more about the organizations.

NPS’ Graduate School of Business and Public Policy (GSBPP) had a booth on display, featuring encouraging posters about the value of mathematics. GSBPP Dean Bill Gates was stationed at the booth, along with several female members of the department, to answer questions and encourage the girls to see mathematics as a valuable tool for a diverse range of careers.



A workshop leader at the Expanding Your Horizons Conference helps participants with their experiment during a session titled “The Hidden Code in Strawberries.” (U.S. Navy photo by MC1 Leonardo Carrillo)

“I think it’s important for the girls to know that math is an important tool for almost anything — whether it’s business or science,” said Gates. “I think people tend to think of math as being more oriented toward the sciences, but certainly for everything the business school does, math is a big piece of it. So we just wanted to be part of encouraging that sort of math background.”

Focus On ... User-Friendly Research

A Monthly Look at Names and Faces on Campus

At the heart of any educational institution is a well-organized and easily accessible school library, and NPS’ Dudley Knox Library (DKL) is no exception.

Always looking for new ways to improve its functionality and accessibility to the NPS community, the DKL is taking innovative steps to improve the way users can access information on the library’s databases.

Two of DKL’s newest members, Tom Doughty and Stacy DeMat-

teo, are hard at work making this happen.

Doughty, manager of the DKL Metadata Services Team, is in charge of overseeing that the library acquires the resources — print, media and electronic — that would best serve the needs of the school. The Metadata Services Team also ensures that the information is correctly catalogued and presented for easy access.

“We want to make informa-

tion easy to find,” said Doughty, “and not have to go through so many layers.”

Supporting the Metadata Services Team, DeMatteo, manager of the DKL Systems Team, is in charge of overseeing the management of the library catalog as well as the development and implementation of new alternative services — including a more comprehensive way to search for materials on the library website.

Together, Doughty and DeMat-



teo represent part of the library’s continuous push for innovation and improvement to better serve the NPS community.

“Our ultimate goal is to present the information in a user-friendly way,” said DeMatteo. “That’s basically what we’re here for — to take things to the next level and move the library forward.”

Any Day at NPS ...



Bob Bluth, back center, takes participants of the Technologies for Information Operations Short Course on a tour of the Center for Interdisciplinary Remotely-Piloted Aircraft Studies, Nov. 16. Thirteen officers from four countries, with fleet and field experience in electronic warfare and command and control, attended the three-week course. (U.S. Navy photo by Javier Chagoya)

NPS alumnus Rear Adm. Barry L. Bruner, Director, Undersea Warfare Division, speaks to faculty and students during the Undersea Warfare curriculum review, Nov. 8. Bruner spoke about his time at NPS, the improvements he has seen in the university over the years, and the value of an NPS degree. (U.S. Navy photo by MC1 Leonardo Carrillo)



Former NSA Monterey Public Works Officer in Charge, Cmdr. Matt McCann, returns to campus from his current assignment in the Office of the Deputy Undersecretary of Defense for Installations and Environment to speak to attendees during a Cebrowski Institute guest lecture entitled “Reduce Energy = Improve Security,” Nov. 17. (U.S. Navy photo by MC1 Rob Rubio)



Commanding Officer of Air Station San Francisco, Cmdr. Erik Langenbacher, left, serves as the promoting officer for Cmdr. Marc Aparicio, right, a student in the Defense Systems Acquisition Management program at NPS, Nov. 1. Aparicio is one of 18 Coast Guard officers attending the school. (U.S. Navy photo by Javier Chagoya)



Three Monterey Fire Department firefighters are pictured following a final project briefing by Marine Corps students Capt. David Coté and Maj. Tom Dono. The two Operations Research students used data provided by Monterey Fire’s administration in order to model the most effective use of apparatus, manpower and response scenarios for the city’s protection against structural fires. Pictured above, from left to right, are Firefighter John Fiske, Dono, Fire Capt. Jim Brown, firefighter Anthony Silva and Coté. (U.S. Navy photo by Javier Chagoya)

STUDENT voice

By Lt. Matthew Yokeley
Chairman, President’s Student Council

With Thanksgiving behind us and the Christmas holidays in front of us, it’s clearly a sign that another great quarter is coming to a close! This time of year brings not only the chance to enjoy the spirit of the season, but the chance for students to unwind and spend time with their families and friends. It has been another wonderful year here at NPS and now we find ourselves on the cusp of yet another great year.

This past year has provided great opportunities for the students, the faculty and the school. We’ve had many distinguished visitors, including our new Secretary of Defense Leon Panetta, discuss the future of our nation and our military; hundreds of new students have arrived here to start a new chapter of their lives and careers; our professors have worked harder than ever to provide the world class research and education the school is known for; we’ve welcomed a new Dean of Students, Chief of Staff and Commander of Naval Support Activity Monterey who work hard every day to continue improving our fine institution; and the first ever NPS Committee on the Future has provided their recommendations for the future success of our school.

While the close of the year reminds us of how great things have been, the start of the new year ushers in yet another opportunity for all of us to continue to make improvements not only in our own lives, but the lives of others. I wish you all a safe and wonderful holiday and a happy new year!!

Lt. Yokeley is the Chairman of the President’s Student Council. Visit the PSC on the intranet at <http://intranet/psc/index.html>.

On Campus this Month

December 3

Grand Winter Ball
POC NPS Foundation, Ext. 2339



(U.S. Navy photo by Javier Chagoya)

December 6

Fall Quarter Awards Ceremony
POC Capt. Alan Poindexter, Ext. 2291

December 7

Faculty Recognition Evening
Quarterdeck, Herrmann Hall
POC Sharee Kelso, Ext. 2371



December 10

Army vs. Navy Tailgate Party
POC Morale Welfare and
Recreation, Ext. 7955



December 16

Fall Graduation Ceremony
Commencement Speaker, Capt. Wayne Hughes, USN (Ret)
POC Capt. Alan Poindexter, Ext. 2291



(U.S. Navy photo by MC1 Rob Rubio)

December 25

Christmas Day



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Historical Highlights

In 1911, "The Navy" magazine published an article titled "A Governmental Post-Graduate Technical School" by R. H. Danforth, a civilian scientist in the Naval Engineering Experiment Station in Annapolis, Md. In the article, Danforth, who also lectured in the School of Marine Engineering at the Naval Academy, discussed some of the progress made since the marine engineering school's establishment in 1909. Today's NPS evolved from this early marine engineering school.

"During the first month of his work at the postgraduate engineering school," Danforth noted, "the new student is furnished courses of reading, drawn from the collection of nearly 2,500 modern technical books in the library of the school."

In the century since Danforth's article, the Dudley Knox Library has leveraged a global information explosion to transition from mostly print collections and services to a dynamic mix of on-line scholarly content and patron-centric virtual services that are available anytime, anywhere.

Historical Highlights are provided by the Dudley Knox Library.

