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(U.S. Navy photo by Javier Chagoya)

Industry Leader Keynotes Spring Graduation

By MC1 Rob Rubio

Retired Rear Adm. David R. Oliver, Jr. delivered a message of inspiration and change with his keynote address during the Spring Quarter 2011 graduation ceremonies, June 17, in King Auditorium.

Oliver is the Chief Operating Officer of EADS North America, a division of EADS, the second largest defense and aerospace company in the world. In addition, during his second administration, former President Bill Clinton appointed Oliver to serve as Principal Deputy Undersecretary of Defense for Acquisition, Technology and Logistics.

During his keynote to the 224 graduates in attendance, and their families, EADS' Oliver brought his variety of experiences as a military flag officer, Department of Defense leader, and industry executive to his presentation.

“It’s wonderful to see people interested in learning and interested in getting to know all the other cultures that are here. It is a wonderful part of our nation’s bigger goals.” – David Oliver

“If you graduates will look up and down your row,” he said, “In the next 10 years, one of you in each row will have the opportunity to change history, which is not to say that the lucky one of you will seize that opportunity, for you may not.”

“You are in one of the few professions which can change history for America, and because of America’s position in this world, you can change history for the world,” he continued. “Free discussion requires an atmosphere unembarrassed by any suggestion of authority. If a subordinate always agrees with his superior, he is a useless part of the organization.”

After the ceremony, graduates, faculty and guests enjoyed a reception in the Barbara McNitt Ballroom highlighted by the traditional cake-cutting ceremony with NPS President Dan Oliver, Navy League Award recipient Lt. Brian Phillips, keynote speaker David Oliver and Executive Vice President and Provost Dr. Leonard Ferrari sharing in the honors.

David Oliver commented, “President Oliver and the faculty here have a great atmosphere and the students have taken advantage of it. It’s wonderful to see people interested in learning and interested in getting to know all the other cultures that are here. It is a wonderful part of our nation’s bigger goals.”



NAVAL POSTGRADUATE SCHOOL

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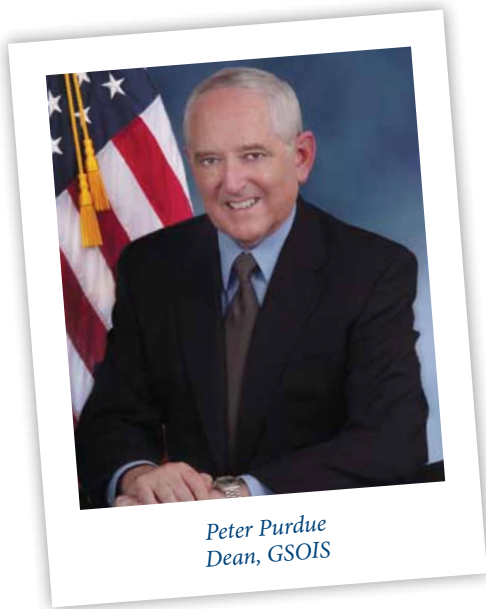
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JULY 2011

A Message From ...

Peter Purdue, Dean, Graduate School of Operational & Information Sciences



As we enter the last quarter of this academic year, I would like to report on some of the exciting things that are happening within the Graduate School of Operational and Information Sciences (GSOIS). Professor Dan Boger will begin his new term as chair of the Information Sciences (IS) department on July 1; Professor Peter Denning will continue to serve as Computer Sciences (CS) chair, with his new appointment starting on July 1. I am delighted that Dan and Peter have agreed to be reappointed to new terms.

Professor John Arquilla replaces Professor Gordon McCormick as chair of the Defense Analysis department, starting July 1. Gordon has done a truly outstanding job as chair since the formation of the department in 2001. Before the department was established, he served as the chair of the SOLIC curriculum. Working with the late Gen. Wayne Downing, Commander, United States Special Operations Command (USSOC), Gordon designed and implemented an interdisciplinary and warfighter oriented program that became the Defense Analysis department. The department has maintained very close contact with USSOC since its foundation due in large measure to Gordon's single-minded dedication to ensuring that the department stayed true to its origins. Because of his foresight in organizing the DA department, NPS is providing the U.S. and our allies with operators, planners and commanders who can deal with the unconventional threats that we see around the world today.

Students continue to be a primary focus of GSOIS. The department averaged 560 resident students in 2010, about 35 percent of NPS' residential students, and we enroll almost 50 percent of all international students. We are increasing the number of distance learning (DL) sections that we offer, including degree and non-degree programs, and have recently developed a distance learning Cost Estimating and Analysis Masters program that will be offered jointly with the Air Force Institute of Technology. GSOIS and GSEAS faculty are also working together to develop new programs in cyber systems and operations.

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We will offer two different types of graduate programs: degree programs in both CS and Electrical and Computer Engineering, and a degree that addresses the broader operations and planning aspects of cyber warfare. In support of the cyber programs, we have placed a number of faculty in the Washington D.C. area and expect to grow this number over the next year. I am pleased with the degree of cooperation between GSOIS and GSEAS faculty in developing the new academic program.

GSOIS faculty research is very robust, with over \$35 million in reimbursable support. Our research interests include maritime defense and security, critical infrastructure defense, cyber security and conflict, identity and information assurance, IT supply chain threat analysis, trustworthy systems, identification of botnets and malicious traffic, automated media exploitation, cloud computing, and ROI studies.

The Distributed Information System Experimentation (DISE) research group in the IS department helps sponsoring organizations develop a holistic understanding of complex systems through experimentation and knowledge management. DISE focus areas include C2, information assurance, expeditionary warfare, ISR, coalition interoperability, and information operations in support of large-scale DoD field experiments such as Trident Warrior and Empire Challenge. The Center for Infrastructure Defense in the Operations Research department approaches the study of critical infrastructure defense by viewing the problem through adversarial eyes, which allows us to discover fragilities and determine how to mount effective defenses. These are just a few examples of the incredible work being done by GSOIS faculty and students.

"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.

NPS Grad One of Navy's First Female Submarine Candidates

By Amanda D. Stein

When Ens. Peggy LeGrand walked across the stage in King Auditorium to receive her master of science degree in mechanical engineering from the Naval Postgraduate School, June 17, she was a bit unique from her 270 plus fellow new alumni, for she is one of just 24 women selected to become part of the Navy's first female submariners.

In April 2010, top defense officials parted with the more than a century-old rule of male-only submarine crews. For the 24-year-old native of Amarillo, Texas, selection to pioneer the transition of this policy change proved to offer her the opportunity of a lifetime.

Enlisting in the Navy under the nuclear surface electronics program in 2004, LeGrand swiftly proved herself in the military as an academic achiever. At the Naval Nuclear Power Training Command, she was quickly recognized as a top performer and offered a scholarship at the U.S. Naval Academy through the Navy's Seamen to Admiral commissioning program. It was while serving at nuclear power school that she first discovered an in-

terest in submarines and developed a keen attraction to underwater warfare.

"My interest in submarines started back in my A-school days," noted LeGrand. "I would hear all of these exciting sea stories from people that have served on subs. I also believe I will enjoy the people in the community. The submariners I've met are all very intelligent and full of character. It's an all volunteer force, so I think their dedication is appealing."

Rear Adm. Barry Bruner, commander of Submarine Group 10 and an NPS graduate himself, is charged with leading the Navy's Task Force for Women in Submarines, and he anticipates the change in policy to be a successful venture.

"We are planning the first female submarine officer candidate accessions into the standard nuclear training and submarine training pipelines this year," said Bruner, "making it possible to assign the first women to submarines in late 2011 or early 2012. The Navy has a good history of being able to work through these kinds of changes in policy, and I anticipate we will be just as successful in this endeavor."

For LeGrand, the excitement about her selection to join the Navy's silent service comes not from breaking gender barriers, or pioneering new frontiers, but from the chance to serve in an exciting and challenging community engaged in rewarding missions.

"After graduating here I will go to nuclear power school in Charleston, and then to prototype and then Submarine Officer Basic school. It will probably be another year or more before I get to actually report to my first command," noted LeGrand.

"I'm excited to do a good job and represent the Navy the best way possible," she continued. "If I can represent the Navy in a more positive light and give someone else the opportunity to join the military when they weren't necessarily thinking about it and it helps to improve their life, then even better."



Ens. Peggy LeGrand, recent NPS graduate, is on her way to Nuclear Power School, the next stop in her path to becoming one of the Navy's first female submariners. (U.S. Navy photo by Javier Chagoya)

from the
MEZZ

Executive Vice President and Provost Leonard Ferrari attended the Cultural and Organizational Awareness (COA) Forum, which focused on AFRICOM. The conference, which was initiated by the Provost, brought together experts, government officials and students to discuss and learn about Africa and its issues. See the article in this edition for more information.

President Dan Oliver delivered opening remarks at the Military Operations Research Society (MORS) 79th Annual Symposium held here at NPS. President Oliver also received an award on behalf of all DoD installations at the Military Appreciation Day held on June 4 at the Del Monte Shopping Center.

Vice President and CIO Christine Haska hosted the annual meeting of the Navy Higher Education Information Technology Consortium (NHEITC) at NPS. The Consortium is made up of CIOs from all higher education institutions of the U.S. Navy.

During June, the following official visits occurred:

1 June Lt. Gen. Oh Chang Hwan, Superintendent, Republic of Korea Air Force Academy

Purpose: Explore educational and research collaboration opportunities.

22 June BG Mohammed bin Abdullah Ali Alqarni, Director of Training, Saudi Arabian National Guard

Purpose: NPS Orientation visit and DRMI meetings

27 June Rear Adm. Nevin Carr, USN, Chief of Naval Research and Director, Test and Evaluation Technology Requirements

Purpose: Meeting with the Vice President & Dean of Research

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.



Senegalese General Lamine Cisse speaks at the Cultural Organizational Awareness Forum in Monterey, Calif., June 14, 2011. (U.S. Navy photo by Javier Chagoya)

COA Forum Highlights U.S. Foreign Policy in Africa

By MC1 Rob Rubio

The African continent has long been recognized as a vast land with nations in various stages of transition – some nations seek prosperity with planned pathways to it, while others are rife with instability and corruption. Without doubt, however, is that the United States, specifically the U.S. Africa Command (AFRICOM), has a role to play in bridging the gap between volatility and stability.

The inaugural Cultural and Organizational Awareness (COA) Forum, June 14-16 in Monterey, Calif., brought many of the various actors together to focus on Africa, and the role U.S. foreign policy and AFRICOM can play in supporting stability through enhanced partnership development and building nation capacity.

Entitled “Cooperative Engagement for Partnership Capacity: Africa as a Model for Whole of Government,” the COA Forum was organized by the Naval Postgraduate School in partnership with the Armed Forces Communications and Electronics Association (AFCEA) International. The goal of the conference was stated quite clearly at the outset by AFCEA President and CEO Kent R. Schneider, who said, “This conference is about bringing communities together to talk about Africa.”

The effort began through the office of NPS Executive Vice President and Provost, Dr. Leonard A. Ferrari, who believed it was important to connect African stakeholders, the US military, diplomats and foreign policy experts – while at the same time offering NPS students

the rare opportunity of learning from and participating in the advanced, candid dialogue on critical, real-world efforts.

“The Naval Postgraduate School is a hub of expertise in U.S. foreign policy and building partner nation capacity – where better than here to bring these stakeholders together to begin the conversations of collaboration than NPS,” said Ferrari. “And quite frankly, this was a tremendous opportunity for our students as well, to attend and hear first-hand the challenges these nations face.”

The event was attended by Ambassador J. Anthony Holmes, Deputy to the Commander for Civil-Military Activities, AFRICOM, and Ambassador Vicki Huddleston, Deputy Assistant Secretary of Defense for Africa, with both speakers remarking on the unique role of AFRICOM.

“AFRICOM is not a competitor, nor here to intervene in internal affairs, wars or conflicts in Africa, but to improve the capacity of African militaries professionally,” Huddleston said. “Everything that we do is in accordance with the framework and with the policy that is set principally by state. What many people feared was that AFRICOM was going to become the development agency. AFRICOM uses *savoir-faire* to make friends with the locals and to find out information. AFRICOM has no desire to militarize the continent. AFRICOM wants to be valuematic to the diplomacy, democracy and development.”

NPS Grad Assumes Command of Navy Cyber Forces

Rear Adm. Gretchen S. Herbert, a 1991 Space Systems Operations graduate of NPS, assumed command of the Navy Cyber Forces during a Change of Command ceremony, June 22.

“Cyber is at the backbone of everything we do every day,” said Adm. John C. Harvey, Jr., U.S. Fleet Forces commander. “The cyber threat is, as our President noted, one of the most serious economic and national security challenges we face as a nation.”

“Our focus will be on ensuring delivery of relevant, consequential and value-added C5I capabilities to our Fleet,” Herbert said. “We will

measure our success by the development of a highly skilled, adaptable and capable workforce, and in equipping those professionals with reliable, sustainable and fully interoperable networks, systems, capabilities and processes. Understanding that the stakes have never been higher, we will ensure that our Sailors and civilians are ready to fight and win in the global cyber domain,” she concluded.

Navy Cyber Forces (CYBERFOR) is the Navy’s global Type Commander to organize, man, train, equip, and maintain Cyber/C5I forces and activities to generate current and future readiness afloat and ashore.

NPS Professor Receives Schieffelin Teaching Award

By MC1 Leonardo Carrillo

NPS Senior Lecturer in the Graduate School of Business and Public Policy, Cmdr. (Ret.) Cory Yoder, received the Admiral John Jay Schieffelin Award for Excellence in Teaching, the most prestigious teaching award at the school, during the spring graduation ceremony on June 17 at NPS.

"I am elated to get the award," said Yoder, "knowing the criteria to even be nominated."

Yoder knows the criteria well, having been nominated four times, consecutively, and placing on the top five percent of the balloting each year before finally receiving the award on his fifth nomination.

A unique characteristic of the Schieffelin award is that the nominees are selected primarily by the students they teach. Yoder's four nominations and subsequent win speak volumes of his work with the student body at the school.

"I want to make learning challenging, but also fun and memorable," said Yoder. "I want the students to get something out of my teach-

ing and be able to use the tools that they learn within and beyond their military careers. I don't want to give training, but rather critical thinking skills at the tactical, operational and strategic levels of military acquisition and contracting."

Yoder joined NPS as a military faculty member in 2000 and after retiring from the Navy he became part of the permanent faculty as a civilian. He performed multiple duties as member of the faculty and has participated and contributed considerably in many projects and programs over the years.

"My primary focus, since day one of my arrival, is the NPS institution," said Yoder. "I strongly believe in our mission and the empowerment it provides our stakeholders."



Vice Provost for Academic Affairs, Dr. Doug Moses, left, presents the Adm. John Jay Schieffelin Award for Excellence in Teaching to NPS Senior Lecturer Cory Yoder. (U.S. Navy photo by Javier Chagoya)

Military Operations Research Society Symposium Concludes at NPS

By MC1 Grant P. Ammon

From June 20-23, the Naval Postgraduate School hosted the 79th Military Operations Research Society (MORS) Symposium, one of the premier opportunities for the defense operations research community to exchange information, examine research and discuss national security topics.

The symposium, with keynote remarks by retired Vice Adm. John Scott Redd, engaged attendees in tutorials, special briefing sessions and networking events, all organized

around a working-group structure that focused on examining the new and non-traditional threats that are forcing analysts to see the world differently and develop new tools and analytical procedures.

The symposium also gave students a platform to present their research to a relevant audience. Operations Research student, Cmdr. Cory Dixon, presented his thesis research entitled Assessing Vulnerabilities in Interdependent Infrastructures using Attacker-Defender Models to attendees.

Symposium participants spent the four days engaged in composite groups and special briefings on topics including homeland and international operations, net-centric operations, joint warfare, acquisition and hybrid warfare.

MORS has served the Department of Defense community for more than 40 years and helps enhance the quality and effectiveness of operations research as applied to national security issues.



Operations Research student Cmdr. Cory Dixon presents his thesis research to attendees at the 79th MORS Symposium, June 22. (U.S. Navy photo by Javier Chagoya)

FACULTY news & notes



The Distributed Information Science and Experimentation (DISE) team in Information Sciences has a new SIPR FORCEnet Innovation and Research Enterprise Knowledge Management portal, which has a more robust architecture and adds new capabilities to classified networks. Faculty and students on SIPR can contact Prof. **Shelley Gallup** at Ext.1040 for more information.

GSBPP Assoc. Prof. of Economics **David Henderson** recorded a segment aired in late June with Mr. John Stossel of the Fox Business Network on how the Canadian government cut its deficit and debt with mainly budget cuts and only small tax increases.

IS Prof. Emeritus **Norman F. Schneidewind** has been named Outstanding Engineer by the Santa Clara Valley Chapter of the Institute of Electrical and Electronics Engineers, which includes Monterey County.

GSBPP Assistant Prof. **Jesse Cunha** will be conducting research on poverty reduction and social services provisions as a visiting researcher at the Columbia University Middle East Research Center in Amman, Jordan.

MAE Prof. and Chairman **Knox Millsaps** has completed his six-year term as a member of the Board of Directors of the International Gas Turbine Institute of the ASME, where he led the expansion of cutting-edge technologies such as steam and wind turbines, and introduced new student and career programs that brought IGTI over \$1,000,000 in scholarships.

NSA Assistant Prof. **Sophal Ear** has been elected to a five-year term on the Council on Foreign Relations, an independent, nonpartisan membership organization designed to better understand the world and the foreign policy choices facing the United States and other countries.

Send your faculty news and notes to update@nps.edu.

Jordan Embraces Education Amidst Neighbors in Turmoil

By Amanda D. Stein

In recent months, many North African and Middle Eastern countries, including U.S. allies, have experienced substantial unrest and internal conflict in a period that has become known as 'Arab Spring.' While there certainly is no single and simple solution to these extraordinary changes, for the country of Jordan, longtime U.S. ally and NPS alumnus King Al Abdullah, II, has relied on education, for both civilians and military, to give Jordanians a voice.

"Education is obviously central to the future," said Abdullah. "It is an enabler, not only of productivity and success, but also, of responsible citizenship."



Attendees of a cybersecurity workshop at Yarmouk University in Jordan listen to the opening address by NPS Executive Vice President and Provost Leonard Ferrari. The workshop is just the beginning of what NPS and Jordanian leadership hope is an expanding partnership between the two universities. (Photo provided by Scott Cote)

Since Abdullah's time at NPS, the State Department has designated the university as the United States Partnership for Peace Training and Education Center (USPTC) – the only one in the country – giving NPS even more opportunities to partner with the Jordanian Armed Forces (JAF) and local universities in training and education.

As the USPTC, NPS offers support to NATO members and partner nations in their path to membership. Jordan is a partner nation in NATO's Mediterranean Dialogue, which has created opportunities for the JAF to receive training through the NATO colleges as well, in topics like peace-keeping, arms control and civil-military operations. While NPS partnerships are a small part of Jordan's educational initiatives, that role continues to grow, most recently when NPS Executive Vice President and Provost Dr. Leonard Ferrari signed two Letters of Accord, one with German-Jordanian University's Talal Abu-Ghazaleh College of Business, and the other with Yarmouk University.

"In fostering these partnerships, we were hoping that Jordan would serve as a sort of hub for the Middle East," explained Ferrari. "Right now, they educate military officers from a lot of Arab states. We are hoping that through our relationship with Jordan, we will see more students from the Arab states coming to the Naval Postgraduate School, allowing us to use education as a communication vehicle between nation states with cultural and political differences."

Jordan's Queen Rania Al Abdullah is also known for her strong support of education, particularly for women and children. She sees education as a tool that can only strengthen her country, and help build a secure future for generations to come.

"I really believe that education is one of the most important issues that we can tackle," said Queen Rania last year in an interview with CNN, "because if you look at all the world's problems from poverty to hunger, disease, terrorism, climate change, not one of these problems can't be helped, if not totally resolved, through education ... If you want to deal with issues of terrorism and radicalization, what better way to do it than through a quality education?"

Focus On ... NPS Institutional Researchers

A Monthly Look at Names and Faces on Campus

Senior Research Analyst, Ann Hamza, and Research Assistant, Rabia Khan, comprise the NPS Office of Institutional Research (OIR), which collects, maintains, analyzes, reports, and disseminates vital institutional data, conducts survey research and ad hoc data requests, and provides a historical perspective of the NPS infrastructure.

Hamza's career with the Department of Defense spans 25 years, four of which have been at NPS. Formerly a Research Psycholo-

gist for 15 years with the U.S. Army Research Institute for the Behavioral and Social Sciences, Hamza "enjoys the environment of academia and NPS specifically because of its highly esteemed graduate education and cutting-edge research and development."

Khan, formerly at the Spacecraft Research and Design Center, has been in OIR for over a year, and "appreciates the genuinely helpful, considerate and hard-working people I work with, who inspire me to work harder."

Dr. Fran Horvath, Director of Institutional Planning and Communications, oversees Hamza and Khan as they collaborate on developing special studies to measure and profile NPS educational effectiveness for policy and decision-makers. "Institutional Research is an important support function for the university. The analysis carried out here provides key information about students and allows us to identify trends in strategic indicators. Both the recent accreditation effort and on-going strategic planning rely



on this information. NPS is fortunate to have two dedicated professionals in this area."

Khan's future plans include "studying for a higher education degree and volunteering for charitable organizations." Hamza hopes to "remain at NPS and to help expand the OIR."

Any Day at NPS ...



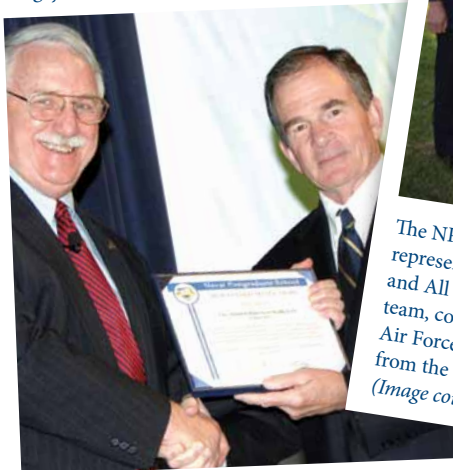
The 47th graduating class of the Naval War College Monterey partnership with NPS for Joint Professional Military Education stands for a group portrait on the steps in front of Herrmann Hall, June 9. The latest class represents the largest graduating class in the partnership's history. (U.S. Navy photo by Javier Chagoya)

Genaro Sanchez, left, a prior intern through NPS' Community College Catalyst program with Hartnell College, poses for a photo with Chief of Naval Research and NPS graduate, Rear Adm. Nevin P. Carr, Jr. Sanchez spoke about his experiences during a Student Perspectives Panel during the Office of Naval Research's Naval STEM Forum, June 15-16, in Alexandria, Va. (Photo provided by the Office of Naval Research)



Seychelles Army Maj. Edwards Anacoura is the first officer from his country to pursue a degree at NPS. He is assigned to the Defense Analysis program and has just arrived from the Command and Staff course at the Naval War College. The summer quarter is typically one of the largest incoming classes of the year, with approximately 375 U.S. and 70 foreign officers coming on board. (U.S. Navy photo by Javier Chagoya)

Naval Postgraduate School President Dan Oliver presents retired Vice Adm. John Scott Redd with the Distinguished Alumni Award, June 21. Redd is a 1978 graduate of the Operations Research curriculum, and has distinguished himself throughout his careers in both the public and private sectors. (U.S. Navy photo by Javier Chagoya)



The NPS Marksmanship Team sent an envoy to Camp Pendleton to represent the university at the Fleet Force Command (FFC) West and All Navy matches, held during a two-week period in May. The team, consisting of 11 members from the Marines, Army, Navy and Air Force, as well as a member from the Hellenic Navy and one from the Tunisian Army, competed against more than 120 entrants. (Image courtesy NPS Marksmanship Team)



STUDENT voice

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

With the summer break over and the beginning of another exciting quarter, the first thing I want to do is to send a heartfelt welcome to all of the new students arriving at NPS. It was only a year ago that I found myself beginning my first summer quarter here in Monterey.

I remember how exciting it was to begin a new challenge such as this and how great an opportunity it was to be here to work with and amongst some of the greatest minds in the United States military today. There are not many places such as this and the prospects for such an enriching educational experience as this are unparalleled. I hope that all of the new students relish in this chance to learn and work in an environment truly designed to stimulate new and innovative thought.

Along with the realization that it has already been more than a year since I arrived at NPS comes the realization that time here is not as long as it seems. At first you think you have all the time in the world to spend with your families while working hard to advance your knowledge. The truth is, time is fleeting and it is important that we all take every occasion we can to make the most of it.

I cannot stress how important it is for each of us to remain dedicated to doing our absolute best, but to enjoy the short time we have to enjoy ourselves and NPS.

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

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

On Campus this Month

July 4
Independence Day



(U.S. Navy photo by Javier Chagoya)

July 12

Rear Admiral Gregory J. Smith
Deputy Chief of Staff, Communication,
NATO International Security Assistance Force
and United States Forces Afghanistan
Secretary of the Navy Guest Lecture
POC Lt. Jenny Phillips, Ext. 2466

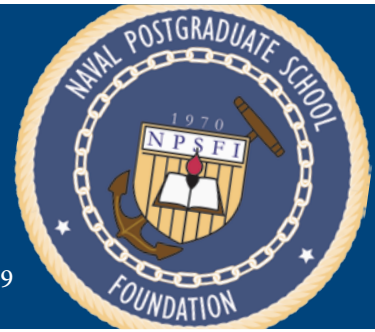


July 12-14

11th Annual MOVES Research and Education Summit
MOVES Institute
POC Terry Norbraten, Ext. 7613

July 19

Operation Jaque:
Rescue in the Jungle
NPS Foundation
Summer Quarterly Event
POC NPS Foundation, Ext. 2339



July 26

Capt. Wayne Porter and Col. Mark Mykleby
Special Assistants to Chairman of the Joint Chiefs of Staff
Secretary of the Navy Guest Lecture
POC Lt. Jenny Phillips, Ext. 2466

August 2

Ronald C. Arkin
Georgia Tech Regents' Professor
CRUSER Guest Lecture
POC Carol O'Neal, Ext. 3807



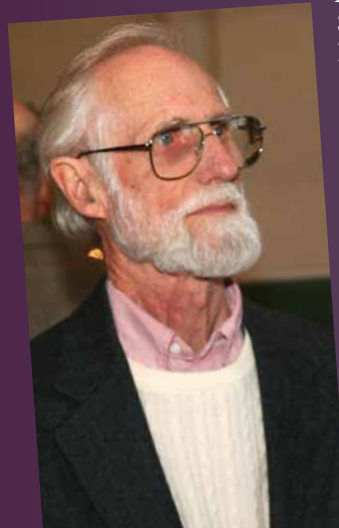
NPS Alumni Online Community
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Historical Highlights

In July 1990, Professor Rudy Panholzer, Space Systems Academic Group chairman, returned from an extended tour of the Soviet Union's rocket launch, cosmonaut training and space construction facilities.

Panholzer was among an elite group of 16 American scientists who were invited to visit these once-secret commands. The American delegation, organized by the Planetary Society and American Institute of Aeronautics and Astronautics, were given comprehensive tours of the Baikonur Cosmodrome in Central Asia; Cosmonaut Training Center, Star City; Flight Control Center, Kalingrad; Soviet Academy of Sciences Space Research Institute and the Institute for Medical and Biological Problems, both in Moscow.



Upon his return to the U.S., Panholzer was interviewed by "Monterey County Herald" reporter Kevin Howe. The in-depth Herald interview is part of the NPS archives in the Dudley Knox Library.

Historical Highlights are provided by the Dudley Knox Library.