SecNav Names Next University President

By Kenneth A. Stewart

Secretary of the Navy Ray Mabus announced the appointment of retired Vice Adm. Ronald A. Route to the position of Naval Postgraduate School President in a statement, June 16.

Route will replace NPS Interim President Rear Adm. Jan E. Tighe later this year following her several months at the helm of the Navy's graduate university — a period of leadership Mabus described as, “nothing short of remarkable.” Tighe is scheduled to return to the Office of the Chief of Naval Operations in Washington, D.C.

Mabus also expressed confidence in the incoming president’s leadership abilities and referenced his more than three decades of military service.

“Admiral Route is the right leader for the job. His exemplary naval service of 36 years is invaluable to the position and I trust him to expertly guide this institution as they continue to provide the high-quality, relevant and unique advanced education and research opportunities that make our naval forces the best in the world,” said Mabus.

Tighe echoed Mabus’ sentiments and welcomed Route’s selection.

“Vice Adm. Route will bring an incredible amount of relevant expertise to NPS in areas that need it the most. The NPS team has worked tirelessly over the last eight months to lay a solid foundation which he will undoubtedly build upon and make us stronger,” said Tighe.

“Admiral Route is the right leader for the job … I trust him to expertly guide this institution as they continue to provide the high-quality, relevant and unique advanced education and research opportunities that make our naval forces the best in the world.” — Secretary of the Navy Ray Mabus

Route comes to NPS with over 20 years of leadership at the executive and operational levels. His numerous past leadership positions include tours as Naval Inspector General and commander of the U.S. Navy’s Warfare Development Command.

In addition to his impressive military career, Route is not a stranger to academia. He is the former president of the U.S. Naval War College where he led a team of some 300 military and civilian faculty members and oversaw the education of more than 600 resident and 3,000 non-resident graduate students.

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Furloughs: The Secretary of Defense has announced that the number of furlough days will be cut from 11 to six. This is welcome news for both our civilian workforce and our mission accomplishment. Our civilian workforce will still be required to execute the six furlough days, unless otherwise exempt. Thanks to everyone for your patience, sacrifice and compliance.

Executive Energy: We welcomed the Secretary of the Navy’s Energy Executive Education in July. It has been two years in the making and we are very excited to bring this critical capability to Navy and Marine Corps Executives.

Gift Acceptance Update: I signed out the new Gift Acceptance Instruction (NPS Instruction 4001.1F), which can be viewed on our FLAG ADMIN Instruction page. The good news is that with this instruction, NPS will resume execution of our gift acceptance authorities for gifts under $12,000. This will simplify/shorten the Gift of Travel procedures that we have been using for the last eight months. A revised SOP on Gift of Travel based on the new instruction is under construction and will be updated within the next week.

IG Recommendation Closures: While the pace of progress is necessarily slowed by furlough, we are still moving forward. Last week, I signed out five additional recommendations for closure. They include: #97-12 (Thesis Timelines), #98-12 (QC Academic Integrity of Thesis), #99-12 (Writing Center), #114-12 and #119-12 (Command Evaluation). We post closeout memos and supporting documentation/reports for each IG Recommendation on the JIRA site, well done to Col. Mitch McCarthy, all the TIGIR Leads and Team members who have worked so diligently toward resolution.

AD to GS Position Conversions: I realize that the AD Review continues to cause stress and uncertainty for many of us at NPS. While it is a necessary undertaking, I regret the human toll that it is taking on both affected employees and their supervisors. In response to a recommendation made to the President’s Suggestion Box, we are scheduling a Town Hall Meeting for employees whose positions will be converted from Administratively Determined to General Schedule in the next few weeks. Additionally, we have arranged for workshops on “USAJOBS and Preparing a Federal Resume,” which will be held in Ingersoll Room 122, Aug. 6 and 8 from 0830–1130, and Aug. 7 from 1300–1600. The workshops are intended to help all employees navigate the ins and outs of USAJOBS and successfully highlight their specific strengths and experiences that are necessary to be selected for federal jobs. No sign-up is required.

Secretary Napolitano Visit: Secretary of Homeland Security Janet Napolitano and Five Country Ministerial High-Level Officials Responsible for Homeland Security from Australia, Canada, New Zealand, United Kingdom and the United States visited NPS. NPS is a terrific setting for such a meeting; particularly in light of their key discussion priorities — Cybersecurity of Critical Infrastructure, Countering Violent Extremism, and Data Exchange Initiatives.

I hope everyone took away something from the All-Hands Call in July. For those of you who had scheduling conflicts, a video of the Call is posted on our NPS wiki. We have received some good feedback, but are looking for more regarding both interest and topics for the next session in August.

Finally, congratulations are in order for Distinguished Professor Brij Agrawal, who has been newly elected to the membership of International Academy of Astronautics. Well Deserved!
NPS Program Prepares Senior Leaders for Challenging Assignments

By Kenneth A. Stewart

Prior to assuming command of the U.S. 3rd Fleet this past June, Vice Adm. Kenneth Floyd spent several days at the Naval Postgraduate School for a series of one-on-one sessions with university faculty to assist in his transition.

In fact, since 2010, NPS faculty and staff have been working quietly with senior naval flag officers across the service to prepare them for some of the Navy’s most challenging assignments around the world.

“NPS offers a guy like me the chance to really think about what I’m getting into and facilitates that with an incredible number of some of the world’s experts in their fields,” said Floyd. “Training dollars are tough to find right now and I feel very fortunate to have been able to attend this course. I will continue to avail myself of these resources and recommend others do so as well.”

McAnally leverages NPS’ diverse intellectual capital to prepare senior leaders for the unique challenges of their next assignments.

“The great thing about this program is that we pull faculty from across NPS,” McAnally said. “It really highlights the resources, the faculty and the research that NPS conducts, and has led to research opportunities for our faculty members.”

McAnally designed a course for Floyd that met his specific needs as future 3rd Fleet commander.

“I really had no idea what to expect as I flew up [to NPS] ... What I wanted was partially an unknown, but [McAnally] did a fantastic job putting together a syllabus that more than matched where I wanted to go as I worked to wrap my head around the first 90 days in this job,” said Floyd.

Often the relationship between faculty and course participant continues long after the course has ended.

“These leaders are going into these organizations wanting to make a difference,” said retired Air Force Col. Frank “Chip” Wood, a former Air Force pilot and a behavioral scientist with 25 years experience coaching industry leaders. “I often call and check in on them during the transition and offer them a knowing ear.”

Floyd and Wood worked closely over the course of several days to develop a transition plan. NPS-developed transition plans help participants to identify their critical stakeholders, and anticipate what they will need to know and do when they get to their next organization.

“I get them to think about the strategic context of the position they are going into. Who are the internal and external stakeholders? How are they going to assess what’s going on in their organizations? What is the strategic context and what are they bringing into that context? What’s going to help them or get in their way?” said Wood.
NPS Researchers Lead Beyond Line of Sight Command and Control Research Effort

By Kenneth A. Stewart

The Naval Postgraduate School’s Distributed Information Systems Experimentation (DISE) research group recently completed an ambitious series of experiments at Naval Air Weapons Station (NAWS) China Lake designed to create a mobile Internet architecture that facilitates defense command and control (C2) requirements as well as Intelligence, Surveillance and Reconnaissance (ISR) dissemination.

The project, dubbed Beyond Line of Sight Command and Control (BLOS C2), seeks to create a self-healing, self-forming network with Type I encryption and anti-jamming capabilities that can survive in satellite denied environments.


Roeting has worked for the last eight years to establish a high bandwidth networking capability to generate a common tactical picture as well as bi-directional C2 for special operations forces, joint tactical air controllers and other ground forces.

“This is the last mile in completing Vice Adm. Cebrowski’s vision for a network-centric battlefield,” said Roeting. “The BLOS C2 architecture will get the U.S. Military one step closer.”

Roeting’s solution to the beyond line of sight command and control problem utilizes Common Data Link (CDL) radios already in the Department of Defense’s inventory.

“CDL radios have the ability to be used as a platform to send data to other CDL radios, each radio becomes a node in the BLOS C2 network,” said NPS Department of Information Science, Research Associate Professor Shelly Gallup.

But in order for the CDL radios to behave as desired, a software modification had to be made to make the CDL radios bi-directional and fully network capable.

CDL radios are generally limited to one-way, point-to-point data links, but DISE researchers demonstrated that CDL radios can be used to provide a high bandwidth, bi-directional network by creating a hub and spoke network architecture suitable to supporting full motion video, Voice over Internet Protocol, chat, and enhanced still imagery.

“There were a lot of skeptics that said it could not be done, but we did it,” said retired Navy Capt. Jack Jensen, an analyst with DISE. “We got the equipment into manned and unmanned platforms and it worked.”

AIAA Executive Director Visits NPS

NPS Department of Mechanical and Aerospace Engineering students and faculty recently welcomed Institute of Aeronautics and Astronautics (AIAA) Executive Director Dr. Sandra Magnus to NPS.

Magnus met with NPS faculty and leadership and conducted an information sharing session with students. She concluded her visit by meeting with AIAA members representing the organization’s Point Lobos Section (PLS).

“NPS serves as a base for the Point Lobos Section of the AIAA. PLS members are recognized by their peers as individuals of distinction who have made valuable contributions to the arts, sciences or the technology of aeronautics or astronautics,” said Autonomous Systems Engineering and Integration Lab Director, Dr. Oleg Yakimenko. Yakimenko serves as AIAA Western Region Director of Education, and says he values the close ties shared by AIAA members and the contributions that professional organizations like AIAA make.

“Even with the current status of social networking and the various sources of information available via the Internet, professional organizations still provide a key resource for students and faculty,” said Yakimenko.
DHS Secretary Hosts Five Country Ministerial at NPS

By MC3 Danica M. Sirmans

Secretary of Homeland Security, the Honorable Janet Napolitano, welcomed diplomats to the first Five Country Ministerial meeting on homeland security held at NPS, July 22. Napolitano and Assistant Secretary for International Affairs, Alan Bersin, hosted the meeting with international diplomats and colleagues from Australia, Canada, New Zealand and the United Kingdom.

The forum focused on how close cooperation between the five nations can be applied to countering terrorism. Participants also discussed collaborative methods to combat cyber-crime, the cyber security of critical infrastructure, and the exchange of criminal history information between the five nations.

“As allies and economic partners, our five countries have a successful history of cooperation in addressing issues — from increased security to facilitated movement of goods and people. We have a unique relationship with one another. We are all are democracies, we share the same language, we have strong economies, and we also have engaged citizens who expect action and accountability from their governments,” Napolitano said.

But we are also bound together by new and evolving threats — from transnational criminal organizations, and terrorism, to those seeking to damage or disrupt critical infrastructure and infiltrate the systems that control such networks,” she added.

Participating in the ministerial with Napolitano included the Honourable Steven Blaney MP, Minister of Public Safety, Canada; the Right Honourable Theresa May MP, Home Secretary, United Kingdom; the Honourable Judith Collins MP, Minister of Justice, New Zealand; and, the Honourable Jason Clare MP, Australia’s Minister for Home Affairs and Minister for Justice.

Innovative Network Architecture Applied to Maritime Security Experimentation

By Kenneth A. Stewart

The Global Information Network Architecture (GINA), an innovative network architecture championed by network specialists at NPS, was recently utilized in a globe-spanning nuclear interdiction experiment conducted by the NPS Maritime Interdiction Operations (MIO) experimentation team in Europe and the San Francisco Bay.

Experts from NPS’ Information Technology and Communications Services (ITACS) utilize the unique GINA architecture to format data associated with previously stove-piped technologies in a manner that facilitates the sharing of data across a broad spectrum of digital formats.

“The problem with all of these different systems is that they speak different languages … GINA does not require the end systems to be modified to talk to them, GINA is built to understand all of the various data inputs or languages and then creates links and relationships,” said Ryan Hale, a network engineer and GINA expert with ITACS at NPS.

In the experiment, dubbed MIO2013, NPS researchers worked in collaboration with the military special operations communities, local law enforcement and chemical, biological, radiological and nuclear experts in the both the U.S. and Europe to identify and secure nuclear material aboard a vessel in San Francisco Bay.

“We enabled the integration of the SSE [Semi-Site Exploitation] data within the experiment’s collaborative environment in a manner that allowed the free sharing of information to the experts and operators,” said Hale.

“Capturing relational data as part of SSE can provide a window into the social networks supporting these dark networks,” said CORE Lab Co-Director, U.S. Army Special Forces Col. Greg Wilson. “Focusing solely on individual terrorists ignores the broader networks in which they are embedded.”
Focus On … A Final Farewell for Long-Time Volunteer

A Monthly Look at Names and Faces on Campus

Retired school teacher and NPS Foundation Thrift Shop volunteer Sheila Zimmerman has been a familiar face for countless families in the La Mesa housing area. A volunteer for more than three decades, Zimmerman noted her final farewells with mixed feelings as the shop closed for business at the end of July.

“In the beginning, this place was painted all blue. It was a beauty parlor and a pinball arcade … With the assistance of the Navy’s Seabees, we built it into a thrift shop about 25 years ago,” said Zimmerman. “I will miss this place, but I look forward to new opportunities.”

Zimmerman began volunteering in 1983 after her husband, a retired Army Sgt. Maj., passed away. That’s when she says she found her passion for sales and customer service.

“I love to socialize with people,” said Zimmerman, “I look forward to meeting them and gaining an understanding of people from different walks of life.”

Zimmerman recalled a time when she helped a Soldier find a pair of used boots after forgetting his only pair while on leave.

“He said he had forgotten them at home and was in need of a pair,” said Zimmerman. “Unfortunately, we only had a size 13 in stock, but he took them anyway.”

Prior to operation by the NPS Foundation, the La Mesa Thrift Shop was operated by the Navy-Marine Corps Relief Society, and the NPS Officer Students’ Spouses Club. The facility officially closed on July 26.
Representatives from the Uzbekistan Ministry of Defense, the Military Academy Education Department and the Tashkent University of Information Technologies are pictured during an NPS visit to explore potential educational program exchanges, July 24. (U.S. Navy photo by Javier Chagoya)

Two U.S. Air Force Academy cadets — Ayana Cameron, left, and Kara Hovseth, center, pictured with Research Associate Rob Schroeder — wrapped up their summer internship in the Common Operational Research Environment (CORE) Lab, July 3. The behavioral science majors worked directly with CORE Lab researchers to study innovative social network analysis techniques. (U.S. Navy photo by MC3 Shawn Stewart)

Any Day at NPS ...

STUDENT voice

By Lt. Kris Yost, Chairman President’s Student Council

In late July we held elections to elect the new officers of the President’s Student Council and you will be hearing from them soon.

The new officers are tremendous individuals and they will do a great job in leading the student body. As this is my last student voice piece, I wanted to use this opportunity to thank some of the people who have been a tremendous help over the past six months.

I would like to thank Rear Adm. Tighe for her support on many issues that Art and I have raised over the past six months and the constant support that she has given to the council. Thank you, Ma’am.

Additionally, there is no way the President’s Student Council would have accomplished anything the past few months without the support of Dean of Students Capt. MacRae, and Deputy Dean of Students Cmdr. Malbini. On behalf of the student body, thank you for constant support.

I also would like to thank Naval Support Activity Monterey Commander, Capt. Gerral David for his support of the issues raised to him and his participation in the Midway Dinner in June.

Finally, I would like to thank the student body. We have an amazing group of people who make up the student body here at NPS, and I am proud to have been able to serve as council chair, but even more proud to be your colleague. Thanks to all of you for your support and your service to our country.

Lt. Kris Yost 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

August 8
Food and Beer Tasting
Trident Room and Rose Garden
POC Moral, Welfare and Recreation, (831) 656-2170

August 13–15
Adm. James R. Hogg (Ret.)
Chief of Naval Operations Strategic Studies Group
POC Lt. Jon Volkle, (831) 656-2466

August 15–16
Maj. Gen. Jeffrey A. Jacobs,
U.S. Army Civil Affairs and Psychological Operations Command
POC Capt. Tammy Luikart
(910) 432-7561

August 28
Faculty and Staff Town Hall
1300–1430, King Hall
POC Lt. Cmdr. Bill Clinton
(831) 656-3567

August 30
Military Appreciation Day
Monterey County Fair
Free admission with ID for active military and families
POC Allison Edwards
(831) 372-5863

September 2
Labor Day

Historical Highlights

The Navy’s second WWII command at Hotel Del Monte, the Naval Technical School (NTS), boldly announced the end of the war in August 1945 in its command newspaper, The Technavian.

One young officer stationed at NTS Del Monte who was a student editor for The Technavian would subsequently join thousands of returning veterans and use the Servicemen’s Readjustment Act of 1944, commonly known as the G.I. Bill of Rights, to return to college and later join the Naval Postgraduate School faculty.

In an NPS career that has spanned four decades, Distinguished Professor Emeritus Don Gaver has guided dozens of thesis students on defense-relevant research, including the work of incoming NPS President retired Vice Adm. Ron Route. Gaver was elected a member of the National Academy of Engineering and elected a fellow of five professional societies — the Institute for Operations Research and the Management Sciences (INFORMS), American Statistical Association, Institute of Mathematical Statistics, American Association for the Advancement of Science, and the Royal Statistical Society. In 2012, Gaver received the prestigious J. Steinhardt Prize from INFORMS in recognition of his life work.

Historical Highlights are provided by the Dudley Knox Library.

In Review Magazine
Look for your copy around campus.