Rear Admiral William E. Landay, III, USN
Appointed Chief of Naval Research

RADM Landay graduated from the Naval Academy in 1978, with a BS degree in Systems Engineering. A surface warfare officer, Admiral Landay will become the 21st Chief of Naval Research (CNR) in January 2006. As CNR, he will manage the science and technology programs of the Navy and Marine Corps, with a focus on basic and applied research, and development, testing, and evaluation of systems and technologies. RADM Landay relieves Rear Admiral Jay Cohen (USNA ’68) who has served as CNR since June 2000.

Dr. Delores Etter Sworn in as Assistant Secretary of the Navy
(Research, Development and Acquisition)

Dr. Etter, a member of the Electrical Engineering Department faculty at USNA, assumed her new position on 7 November 2005. As the Navy’s Senior Acquisition Executive, Dr. Etter is responsible for all research, development and acquisition within the Department of the Navy. Prior to joining the Naval Academy faculty in August 2001 as the first Office of Naval Research Distinguished Chair in Science and Technology, she served as the Deputy Under Secretary of Defense for Science and Technology.

Alternative Energy & Energy Balance Proposal to ONR

Efforts are underway to develop a cohesive, multi-faceted funding proposal to the Office of Naval Research (ONR) on alternative energy and energy balance research.

Areas of consideration include:

- energy balance
- thermal energy management
- hybrid vehicles

For more information: Contact Professor Angela Moran, Mechanical Engineering Department @ x 3-6534.

The Johns Hopkins University
Applied Physics Laboratory (JHU/APL)

Professor Reza Malek-Madani, Director of Research and Scholarship, will visit JHU/APL on Tuesday, 6 December, to meet with the laboratory’s Science and Technology Policy Board. The main goal of this visit is to identify research areas (currently funded at APL) in which USNA faculty might collaborate with the JHU-APL scientists and engineers.

For more information: Contact Professor Reza Malek-Madani in the Research Office @ x 3-2504 or at research@usna.edu.

JHU-APL website: http://www.jhuapl.edu/
Featured Websites

- **National Science Foundation (NSF)**

NSF funds research and education in most fields of science and engineering, and accounts for about ¼ of federal support to academic institutions for basic research. Information about funding opportunities in the Social, Behavioral and Economic Sciences (SBE) is available at:


- **National Endowment for the Humanities**

Fellowships and Faculty Research Awards support individuals pursuing advanced research in the humanities. Recipients usually author scholarly articles, monographs on specialized subjects, books on broad topics, translations, or other scholarly products. Information about the types of available fellowships and awards can be found at:


  Information about the Grant Programs and Deadlines can be found at:


- **Smithsonian Institution Opportunities for Fellowships and Internships**

Fellowships at the Smithsonian Institution provide faculty scholars and students with opportunities to pursue independent research projects in association with members of the Smithsonian professional research staff. Information about the program is available at:

  [http://www.si.edu/ofg/infotoapply.htm](http://www.si.edu/ofg/infotoapply.htm)

Applications for Smithsonian Fellowship awards to begin on or after 1 June 2006 must be postmarked by 15 January 2006.

- **The Newberry Library (Chicago, IL)**

The Newberry Library is an independent research library and educational institution with a charter to expand and disseminate knowledge of the humanities. The Newberry is a leading repository of materials related to the civilizations of Western Europe and the Americas. Information about the Fellowships in the Humanities for 2006-2007 is available at:


  Short-term (one-month) fellowship applications are due by 1 March 2006.

  Long-term (six to eleven months) fellowship applications are due by 10 January 2006.

- **Matching Funds: ONR Postdoctoral Fellows**

The Office of Naval Research (ONR) provides matching dollars to USNA to host postdoctoral fellows in Science and Technology (S&T) disciplines. The main goals of this program are: (1) to assist USNA in the development of state-of-the-art expertise in areas of special interest to the Navy, and (2) to directly contribute to midshipman research experiences in these E&W and M&S critical areas.

- **Matching Funds: Faculty Collaborations with Navy Laboratories**

Through a Memorandum of Agreement (MOA) with the Office of Naval Research, a grant from ONR is used to match funds that USNA faculty in the Engineering and Weapons Division (Division I) and faculty in the Mathematics and Science Division (Division II) bring to USNA (as reimbursable accounts for labor expenses) from a naval laboratory. The goal of this agreement is to foster long-term research relationships between USNA faculty and the laboratories.

For more information: Contact Professor Reza Malek-Madani in the Research Office @ x 3-2504 or at research@usna.edu.
Upcoming Deadlines

Bowman Scholar Program - Class of 2007:

Applications are due to the chairs of the appropriate academic departments by noon on Friday, 13 January 2006. Information about the Bowman Scholar Program and the components of the application can be found at:

http://intranet.usna.edu/BowmanProgram/

Trident Scholar Program - Class of 2007:

Applications are due to the chairs of the appropriate academic departments by COB on Friday, 20 January 2006. Schedule information for the division Trident Committee interviews and for the Academy Trident Committee interviews will be forthcoming in an AcDean Notice.

More information about the Trident Scholar Program and the requirements of the application can be found at:

http://intranet.usna.edu/TridentProgram/

Congratulations to 2nd LT Sarah Coulthard, USMC, who won the grand prize at the American Society of Mechanical Engineers Old Guard Oral Presentation at the International Mechanical Engineering Congress and Exposition in Orlando, FL. Her Trident Scholar project, "Effect of Pulsing on Film Cooling on Gas Turbine Airfoils," served as the basis of her presentation. Professor Karen Flack and Associate Professor Ralph Volino, both of USNA’s Mechanical Engineering Department, served as Ms. Coulthard’s mentors while she pursued her Trident project.

A native of Stevensville, MD, 2nd LT Coulthard is currently in graduate school at Stanford University.

2nd LT Elizabeth Kealey, USMC, presented her Trident Scholar project results at the 2005 American Society of Mechanical Engineers (ASME) International Mechanical Engineering Congress and Exposition in Orlando, FL in November. Assistant Professor Andrew Smith and Associate Professor Peter Joyce, both of the Mechanical Engineering Department at the Naval Academy, mentored Ms. Kealey on her Trident project during 1/c year. Ms. Kealey's presentation was entitled “Investigation of Elliptical Cooling Channels for a Naval Electromagnetic Railgun”.

2nd LT Kealey is currently in training at The Basic School in Quantico, VA.

On 22 November, ENS Christopher Wozniak, USN, presented his Trident Scholar research on the “Analysis, Fabrication and Testing of a Composite Bladed Propeller for a U.S. Naval Academy (YP) Craft” at the Society of Naval Architects and Marine Engineers (SNAME) Southwest Section Technical Meeting in San Diego, CA. A supporting paper for his presentation was submitted to the student paper competition – but no word yet on how his paper fared with the evaluation panel.

Following his graduation from USNA, ENS Wozniak relocated to the University of Michigan, where he is working towards a Master of Science in Engineering degree, with a specialty in Naval Architecture.

Please send feedback and suggestions to:

ddrs@usna.edu