### 2017 Fulbright Award

**FINLAND**

**Commander William Woitrya**

Class of 1999

Commander William Woitrya has been selected for a 2017 Fulbright Award to study in Finland. He will represent the U.S. and the Coast Guard as a cultural ambassador, working with the Finnish Transportation Agency to pursue a research study regarding the design, construction, operations, and management of icebreakers. CDR Woitrya’s program of study will include time underway on Finnish icebreakers, learning and sharing icebreaking tactics, techniques, and procedures. He will sail on the recently commissioned multi-mission icebreaker POLARIS. He will also spend time in Helsinki at the Finnish Transportation Agency studying the management of the international fleet of Baltic icebreakers from Finland, Sweden, and other nations. These management techniques are highly relevant to joint U.S.-Canadian icebreaking efforts on the Great Lakes. He is optimistic that many best practices can be shared to improve efficiency to the benefit of service users. While in Helsinki, he will also have the opportunity to engage with world renowned naval architects at Aker Arctic to further deepen his understanding of the latest achievements in icebreaker design and construction. CDR Woitrya currently serves as the Ice Operations division chief in the Office of Waterways Management at Coast Guard Headquarters. He is the program manager for domestic and polar icebreaking policy. His duties further entail service as liaison officer to the National Science Foundation and Joint Task Force Support Forces Antarctica. In this role, Woitrya spent January 2017 at McMurdo Station in Antarctica, supporting CGC POLAR STAR in their successful completion of Operation Deep Freeze 2017.

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### 1/c Patrick Ledzian

**Class of 2017**

**Electrical Engineering**

**1/c Patrick Ledzian**: 2017-2018 Fulbright Award to Netherlands and 2017-2019 Justus en Louise van Effen Excellence Scholarship

First Class Cadet Patrick Ledzian, the Electrical Engineering major, of United States Coast Guard Academy (USCGA) has received a 2017-2018 Fulbright U.S. Student Program grant to pursue a two-year Master of Science degree in Systems and Control at the Technical University of Delft (TU Delft) in Delft, Netherlands. Patrick Ledzian is also a recipient of a Justus en Louise van Effen Excellence Scholarship 2017-2019 from Delft University of Technology, Delft Netherlands which complements his Fulbright scholarship. Patrick Ledzian is the first graduate of the USCGA obtaining two scholarships to pursue the same program. Ledzian’s Fulbright research project will focus on building an artificial intelligence technology that can operate safely, efficiently, and reliably in an unpredictable environment. He will be developing a fault-tolerant and predictive flight control system that will be able to detect objects that unexpectedly obstruct or destruct its operation, to respond quickly to prevent damage or destruction, and to reprogram its operation in order to complete a designated task. The research methodology will include the design of individual sensors, the integration of sensors in an intelligent network, and at the end optimizing and testing the control system in real world applications. The project will be conducted collaboratively with the scholars from the Robotics Institute at TU Delft.

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### 2017-2019 Fulbright Award

**ICELAND**

**ENSIGN Chris DiBari**

Class of 2016, Government

Ensign Chris DiBari will be representing the U.S. and the Coast Guard Academy as a cultural ambassador while pursuing a Master of Arts degree in Environment and Natural Resources with a concentration in Natural Resource Management at the University of Iceland in Reykjavik, Iceland during 2017-2018 and 2018-2019 academic years. As a Fulbright scholar, ENS DiBari plans to study Arctic fisheries management strategies and policies. His research thesis will focus on examining current management strategies that apply to mackerel stock in the North-East Atlantic (NEA). The goal is to propose a fisheries management plan for the NEA coastal states in order to promote sustainable fisheries management practices through international cooperation between Iceland and the NEA coastal states. ENS DiBari is currently assigned to the USCGC HEALY (WAGB 20) as a Deck Watch Officer. Since joining HEALY, ENS DiBari has earned qualification as an in port and underway Officer of the Deck, and is currently working towards his Boarding Officer qualification. In addition to standing watch, ENS DiBari is the Communications Officer and Assistant Public Affairs Officer and has acted as a project officer for a variety of different assignments. In October 2016, ENS DiBari returned from a four month deployment where he worked in collaboration with the rest of HEALY’s crew and science party to conduct science missions in marine biology, physical oceanography, and deep sea mapping. This summer, ENS DiBari will join HEALY on another Arctic exploration mission prior to beginning his studies in Iceland in August 2017.
ENSIGN STEPHEN HORVATH (CLASS OF 2015) - FULBRIGHT IN FINLAND

Ensign Stephen Horvath is in his second year of study toward a Master of Science degree in the Energy Technology program at Lappeenranta University of Technology in Lappeenranta, Finland. ENS Horvath is currently undertaking the following graduate courses: Electricity Market, Turbomachinery in Renewable Energy, Membrane Technology, Crystallization, and Energy Recovery from Solid Waste. His Master’s thesis is on determining how the shipping industry might become de-carbonized from a transportation perspective or at least become carbon neutral by the year 2050. He will be graduating from Lappeenranta University of Technology in September 2017 and upon his return from Finland he is expected to report to the USCGC HEALY in June 2017.

ENSIGN JACQUELYN KUBICKO (CLASS OF 2016) - FULBRIGHT IN THE UNITED KINGDOM

Ensign Jacque Kubicko received her commission from the U.S. Coast Guard Academy as Distinguished Graduate in May of 2016, and was a recipient of a 2016-2017 Fulbright U.S. Student Award to the UK. As a result, she is currently pursuing a Master’s of Research degree in Ocean Science at University of Southampton, Southampton, UK during 2016-2017 Academic year. As a cadet, Kubicko conducted research in the field of acoustic tomography in order to contribute to the accuracy of climate models. During her junior year, she focused on analyzing how sound moves through seawater to measure ocean properties, such as pH and temperature, using passive acoustic techniques. The project was supervised by her instructor at the Academy, LT Christopher Verlinden, and the Scripps Institution of Oceanography. In the Summer of 2015, Kubicko assisted with research to explore deep-sea hydrothermal vents off the coast of the Galapagos Islands, Ecuador and was supervised by Dr. Robert Ballard, noted for his discovery of the RMS Titanic. Her senior year research, supervised by Dr. Karim Sabra of Georgia Institute of Technology, involved developing methods of measuring temperature changes in coastal areas and under sea-ice. As a Fulbright scholar to UK, Ensign Kubicko is currently continuing her climate science studies with research in underwater acoustics and physical oceanography.

In February 2017, Ensign Kubicko was offered an Oxford-Richards Scholarship in order to pursue a Doctor of Philosophy in Atmospheric, Oceanic, and Planetary Physics from the University of Oxford, Oxford, UK to begin in Fall of 2017, directly at the conclusion of her Fulbright studies at the University of Southampton, UK. The Oxford-Richards Scholarship is designed for students who have demonstrated exceptional academic ability and the ability to contribute to the University’s groundbreaking research. The Richards scholarship is only available once every 3-5 years to one person, and it is the most competitive scholarship, specific to the field of Climate Science Research. The Oxford-Richards scholarship is valued between $156,000.00 - 170,000.00, covering all Wadham University fees, College’s fees, tuition, and living expenses for three years. Professor David Marshall and Professor Laure Zanna at the University of Oxford, world renown for their research in physical oceanography and climate science, will supervise her studies.

The Academy’s Honors Program Internships and Fellowships

American Service Academies Program Internship is a three-week Holocaust educational initiative that was created by the Auschwitz Jewish Center specifically for a select group of cadets and midshipmen from the four U.S. military academies. The 2017 ASAP Internship Fellows: 2/c Dakota Richter and 3/c Lukas Psoinas.

The Saratoga Fellows Program provides a post-undergraduate educational and professional experience for officers in the Armed Forces of the United States. The program is designed to broaden each fellow’s understanding of our country’s intellectual and moral traditions. That understanding addresses the ability to engage in public discourse and thus it strengthens an officer’s calling to public service. The 2017 Saratoga Fellows: 1/c Abigail Culp and 1/c Keith Holmes.

U.S. Coast Guard Academy Alpha Lambda Delta, National Honor Society for First Year Students

Initiation Ceremony for the Class of 2019 - 15 March, 2017

Students must have obtained a 3.5 GPA or better and be in the top 20% of their class during their fourth-class year to be named for membership.

3/c Cadets of Class 2019 Inducted into the CGA ALD:

CONGRATULATIONS!