



Class of 2012

Michael Albertson has worked in the Department of Defense since May 2004, primarily as an analyst studying the capabilities and doctrine of foreign strategic nuclear forces. For the past two years, Mr. Albertson has been assigned to the Office of the Secretary of Defense as a policy advisor to Dr. Ted Warner, the Senior Advisor for Arms Control and Strategic Stability to the Under Secretary of Defense (Policy). In this capacity, he served on the U.S. delegation during negotiation of the New START Treaty and worked as part of the DoD team on treaty ratification and implementation efforts. His work also involves assisting the Senior Advisor in dialogues with Russia and China on strategic stability issues involving nuclear, conventional long-range strike, missile defense, space/counterspace, and cyber capabilities. He holds a B.A. from Claremont McKenna College in International Relations and Government and an M.S. in Strategic Intelligence from the National Defense Intelligence College, and is currently working on his M.A. in Security Policy Studies at George Washington University.

Michaela Bendikova graduated with the Master of Science in Defense and Strategic Studies degree from Missouri State University. She wrote her thesis on the space-based missile defense system under the guidance of Dr. William R. Van Cleave. She was awarded a prestigious Ulrike Schumacher Memorial Scholarship in 2010 and 2011. Bendikova now works as a Research Assistant for Missile Defense and Foreign Policy at The Heritage Foundation on missile defense, arms control, and defense budget. She has worked as an intern at the Missile Defense Advocacy Alliance and a Research Fellow at the International Institute of Political Science in the Czech Republic. Bendikova holds a Bachelor's degree in International Relations & Security and Strategic Studies from Masaryk University in Brno, Czech Republic.

Andrea Berger is a Research Analyst with the Royal United Services Institute in London. In this capacity she is responsible for supporting RUSI's activities on issues relating to arms control, non-proliferation, disarmament, and WMD terrorism. In addition, Berger acts as the Programme Coordinator for the UK Project on Nuclear Issues. Prior to joining RUSI, she worked in non-proliferation research and analysis at the International Centre for Security Analysis, based at King's College London. She has also worked for the Government of Canada in a number of analytical capacities, namely in the Department of Foreign Affairs and International Trade, and the Embassy of Canada to Germany. Berger holds an MA in International Peace and Security from King's College London and a BA in Political Science from Carleton University in Ottawa.

Sarah Bilson is a Nonproliferation Graduate Fellow at the Department of Energy, serving in the office of the Deputy Administrator for Defense Nuclear Nonproliferation. Bilson has worked on international nuclear security and arms control in various government and research capacities. She has also worked on refugee relief and resettlement, both with the International Rescue Committee and the United Nations Relief and Works Agency for Palestine Refugees in the Near East, in Beirut, Lebanon. She has

held short-term research positions and consultancies with the International Foundation for Electoral Systems, the Organization for Economic Cooperation and Development, the United Nations Development Programme, and the U.S. Department of State, focusing on statebuilding, peacebuilding, and security issues. Bilson received a Master of International Affairs from Columbia University's School of International and Public Affairs, and completed her B.A. in Political Science/International Relations and French Literature from the University of California, San Diego, where she also studied abroad in Dakar, Senegal and in Paris, France. Bilson is fluent in French, and proficient in Arabic.

Alex Bollfrass is a second-year Master of Public Affairs Candidate at Princeton University's Woodrow Wilson School of Public and International Affairs. Following college graduation in 2006 from UC Berkeley, he worked as a Herbert Scoville, Jr. Peace Fellow in DC at the Arms Control Association on chemical weapons and the Comprehensive Test Ban Treaty, among others. He then moved to the Stimson Center for a project on the obstacles to nuclear disarmament and created an online simulation on the subject.

Jeffrey Boulware is a civilian engineer with the Air Force working at Hill AFB, UT, on the Minuteman III weapon system. He received his BS and MS in Aeronautics and Astronautics at the University of Washington and his PhD in Mechanical Engineering at Utah State University. Boulware's previous experience encompasses a wide array of topics, such as wind tunnel testing, reentry thermal protection systems, cryogenic magnetohydrodynamics, and microgravity fluid mechanics. Upon completion of his doctorate work in August 2010, he began working for the ICBM Systems Division of the Air Force Nuclear Weapons Center. His role in the Future Systems Branch was to provide technical support for the integration of new technology into the 40-year-old weapon system. In November 2011, Boulware transferred to the Missile Maintenance Group where he now works to improve the processes involved with bringing the old equipment back to service.

Matthew Cottee is a PhD student in the Department of War Studies at King's College London. He received a First Class degree from University College London and a MA in International Relations from King's. His doctoral research explores the evolution of the nuclear security regime and its response to changing threat perceptions of nuclear terrorism. Before beginning his PhD, Cottee worked full-time as a researcher at the International Centre for Security Analysis (ICSA) at King's where he focused on nuclear non-proliferation issues and conducted fieldwork in the Middle East and Southeast Asia. He currently maintains this position on a part-time basis. Cottee is an Associate of the Centre for Science and Security Studies (CSSS), also at King's, and was a Visiting Fellow at the Norwegian Institute for Defence Studies.

Sarah Cross most recently worked for Brookhaven National Laboratory as a Graduate Research Assistant. As part of her Assistantship she created two reports for the U.S. Department of Energy which explored the mechanisms by which the International Atomic Energy Agency is both funded and staffed and address the political, institutional and legal barriers to improving both systems as the Agency copes with current and future resource challenges. Prior to joining BNL she worked as an Arms Control Research Assistant at Ploughshares Fund. Cross completed her Master's degree in Nonproliferation and International Security at King's College London in August 2010. Currently, her primary research interest concerns how previous and current nonproliferation and arms control regimes have struck a balance, if at all, between the need for transparency, verification and the protection of proprietary and national security information. She has a degree in International Relations from the University of St Andrews in Scotland.

Christopher Diller is a Captain in the United States Air Force. He graduated from the U.S. Air Force Academy in 2002 and has a degree in political science. After being commissioned, he attended Undergraduate Pilot Training at Vance AFB, OK. He was assigned as an Instructor Pilot in the T-6 Texan II where he trained future Joint and Allied combat pilots. In 2009, Capt. Diller was selected to fly the B-2 Stealth Bomber. He is currently assigned to the 13th Bomb Squadron, 509th Bomb Wing, Whiteman AFB, MO as a Combat Mission Ready B-2 Aircraft Commander. As an Aircraft Commander, he is responsible for the employment of various conventional and nuclear weapons in fulfillment of the Global Strike mission. Capt. Diller also holds a Masters in National Security studies from American Military University. He is from a small farm town near Amarillo, Texas and is now married with three kids, living in Western Missouri.

Patrick Disney is pursuing an M.A. in International Relations at Yale University (expected May, 2012), with a concentration on Iran and nuclear nonproliferation. He is also a regular contributor to *The Atlantic*, writing about international security and nuclear weapons issues. Prior to graduate school, he coordinated the Campaign for a New American Policy on Iran, a coalition of over 35 national organizations working to promote effective diplomacy with Iran, and also served as the Assistant Policy Director at the National Iranian American Council. He has a B.A. from Trinity University in San Antonio, Texas, and has contributed to the *Huffington Post*, *PBS Frontline*, *Foreign Policy*, *The Hill*, *The Yale Journal of International Affairs*, *The Nonproliferation Review* (forthcoming), and other publications.

Christine Egnatuk is a DOE/NNSA Nuclear Nonproliferation and International Safeguards Fellow and Ph.D. candidate in the Nuclear and Radiation Engineering Program at The University of Texas at Austin. Her dissertation is focused on radioargon production methods. Egnatuk was previously an Alternate Sponsored Fellow conducting research within the Radioanalytical Chemistry Division at Pacific Northwest National Laboratory. She was an NGS summer intern at Oak Ridge National Laboratory in 2010. Egnatuk was a member of an interdisciplinary group within the Lyndon B. Johnson School of Public Affairs, which investigated the global minimization of highly enriched uranium. Her work examined the feasibility of using the proposed floating nuclear power plant reactor core design within the Russia Nuclear Icebreaker Fleet. Her research interests include nuclear forensics and nuclear nonproliferation.

Madeleine Foley is the Program Coordinator in the Nuclear Policy Program at the Carnegie Endowment for International Peace. Her research interests include the proliferation sensitivities of the nuclear fuel cycle, and the regulatory, safety and security challenges of peaceful nuclear expansion. Prior to joining Carnegie she interned at the International Institute for Strategic Studies and the Center for Arms Control and Non-Proliferation. She earned her B.A. in International Relations at the George Washington University Elliot School for International affairs and is currently pursuing a Masters in Security Studies at Georgetown University. She speaks French and Russian.

Stephen Herzog is a Nonproliferation Graduate Fellow with the U.S. Department of Energy's National Nuclear Security Administration (NNSA), where he works in the Office of Nonproliferation and International Security. Prior to coming to the NNSA, Herzog was a Research Associate with the Strategic Security Program at the Federation of American Scientists, focusing on the Comprehensive Nuclear-Test-Ban Treaty. He has also held positions with the British American Security Information Council, Plan International, Human Rights Watch, and in the office of a U.S. Congressman. In addition, he has published research reports and journal articles, and his commentary has been featured in the *Financial Times*, *The Hill*, and the *San Francisco Chronicle*, among others. Herzog is interested in a range of nuclear

security topics, including test ban issues, export controls, and arms control/nonproliferation science and technology engagements. He received his M.A. with honors in Security Studies from the School of Foreign Service at Georgetown University and was valedictorian of his undergraduate class at Knox College.

Karen Hogue is pursuing a Master's degree in Nonproliferation at the Monterey Institute of International Studies and is a Graduate Research Assistant at the Center for Nonproliferation Studies. She received her B.S. degree in Nuclear Engineering from Texas A&M University in 2007 and was subsequently commissioned into the U.S. Navy. While in the Navy, Hogue was stationed at the Naval Nuclear Power School in Charleston, South Carolina where she taught nuclear physics, reactor dynamics, and core characteristics to the Navy's future nuclear operators, and served as the Physics Division Director. During her studies, Hogue interned in the Reactor Engineering division at Duke Energy's Oconee Nuclear Power Station; did research on the quark-gluon plasma at the University of Munster, Germany; and taught physics and chemistry to high schoolers in Rupaidiha, India.

Michael Johnson is a member of the technical staff at Sandia National Laboratories in Albuquerque, New Mexico. As a member of the Surety Engineering department his work involves ensuring safety, quality and reliability in nuclear weapons systems and components through technical analysis and engineering. Johnson received his B.S. and Ph.D. in Electrical Engineering from Brigham Young University. His graduate research focused on solid-state physics and simulation techniques for microelectronic/optoelectronic devices. His efforts centered on a discrete current amplifier utilizing impact-ionization based gain in semiconductor materials. Johnson's spare time is devoted to his wife, two beautiful adopted daughters and college sports.

James Mazol is Staff Assistant to the House Armed Services Committee, Subcommittee on Emerging Threats and Capabilities, which has oversight responsibilities for DOD counter-WMD programs. Prior to the Hill, Mazol was a Policy Analyst working for Science Applications International Corporation (SAIC) supporting the Air Force Strategic Plans and Policy Division. In this role, he provided research and analytical support for arms control policy and implementation and compliance measures, including for the New START Treaty. He holds an M.A. in International Affairs from the George Washington University (Elliott School of International Affairs) and B.A. in Political Science from the University of Richmond.

Maggie Sadowsksa possesses experience in the Legislative and Executive Branches. On Capitol Hill, she worked on the Europe and Eurasia Subcommittee of the House Committee on Foreign Affairs and managed the national security portfolio for Congressman Michael Turner. In both capacities, she contributed to various initiatives related to nuclear issues, defense policy, foreign affairs, the Intelligence Community and the U.S. Military. Prior to her House roles, Sadowsksa served at the Office of the Secretary of Defense where she shaped U.S. relationships with several European allies and NATO Partners to increase their support of numerous efforts important to the United States.

Emily Saunders is a PhD student in Political Science at Claremont Graduate University's School of Politics and Economics where she studies Public Policy and Comparative Politics. She holds a Bachelor of Arts in Religious Studies from The College of the Holy Cross and a Master of Theological Studies in Religion, Ethics, and Politics from Harvard University. In the summer of 2009, Emily was a Next Generation Safeguards Initiative Intern at Lawrence Livermore National Laboratory where she wrote a technical report on the Islamic implications of an Iranian nuclear weapon. Her most recent research position is at

Los Alamos National Laboratory where she has been writing about the nature, scope, and future of extended nuclear deterrence in Northeast Asia.

Zachary Thompson is an early-career quality engineer at Sandia National Laboratories in Albuquerque, NM. At Sandia, his function is to ensure that current products and services provided by Sandia meet the needs of the Sandia's customers and live up to the high-standards required of work performed at the lab. Prior to beginning work at Sandia, Thompson studied mechanical engineering at Rice University in Houston, TX where he developed robotic sample preparation systems to aid in the study of nano-scale biological specimens. He completed his engineering undergraduate at the Colorado School of Mines. Thompson's interest in nuclear-related issues stems primarily from his work at Sandia where many of the issues surrounding nuclear-weapons are commonly known.

David Vielhaber recently graduated from the Monterey Institute of International Studies with a M.A. in Nonproliferation & Terrorism Studies. During his studies he also worked as a Graduate Research Assistant at the James Martin Center for Nonproliferation Studies. His research interests include security & nonproliferation issues in the Middle East, WMD terrorism and counter-proliferation. He completed his Masters thesis on the effectiveness of covert action in counter-proliferation and in September 2011 presented on this topic at PONI's fall conference in Livermore, CA. In the fall of 2010, he served as a junior political officer in the WMD branch at the United Nations Office for Disarmament Affairs in New York. Originally from Germany, Vielhaber earned his B.A. First Class Honors in International Relations & Security Studies from the University of Bradford in the United Kingdom in 2009. He is also an alumnus of the University of California's Public Policy and Nuclear Threats training program.

Tristan Volpe is a Ph.D Candidate in Political Science at the George Washington University, with an emphasis in International Relations Theory and Security Studies. He focuses on issues that lie at the intersection of nuclear proliferation and strategic deterrence, and his dissertation examines why states deploy specific nuclear fuel-cycle postures, and how variation in these postures impacts regional security outcomes, such as arms races and war. Volpe received additional professional training in game theory from the University of Michigan and nuclear non-proliferation policy from Brookhaven National Laboratory and the United States Institute of Peace. He holds a university fellowship to conduct archival research on the early history of nuclear weapons use and control. Prior to graduate school, Volpe studied comparative politics at the University of California, Los Angeles (UCLA) and political theory at the University of Edinburgh.