

Early Warning July 2017

Doolittle Dinner

Ms. Betty J. Sapp, Director, National Reconnaissance Office, was the 2017 recipient of SSP's annual General James Doolittle Award.

Betty Sapp was appointed the 18th Director of the National Reconnaissance Office (DNRO) on July 6, 2012. She is a former Deputy Under Secretary of Defense (Portfolio, Programs and Resources), Office of the Under Secretary of Defense for Intelligence, and began her government career as a United States Air Force officer.

National Reconnaissance Office (NRO) Director Betty J. Sapp was awarded the General James Doolittle Award at a dinner on April 27, 2017. Her address on the history and role of the NRO was followed by an insightful question and answer session with the SSP community. She began by noting the role of Jimmy Doolittle's support for the establishment of one of the National Reconnaissance Office's earliest and most important programs, the Corona photo reconnaissance satellite program. The Corona program provided the United States with critical information about Soviet strategic nuclear capabilities at a crucial period of the Cold War. Space-based surveillance offered a way to keep U.S. pilots out of harm's way, an advantage highlighted when Gary Powers was shot down flying a U-2 spy plane over the Soviet Union in 1960. Many attempts to launch the satellite failed before the first "Keyhole" photo reconnaissance satellite entered orbit in August 1960.



Director Sapp then offered a snapshot of the small, elite organization at NRO, which focused heavily on innovation to continue to provide "eyes and ears" to the United States from space. The NRO's targets had gone from being big, noisy and fixed to small, quiet and mobile, making the organization's task all the more challenging. Despite the sobering nature of the threats the NRO helps the United States to counter, Director Sapp's remarks also conveyed the inspiring quality of spaceflight, and the scientific and technological innovations at the core of the NRO's mission. Taking questions from the SSP community, Director Sapp discussed some of the major

challenges that adversaries posed to the United States in and out of space. She also offered insights into the recruitment, organizational practices, inter-agency coordination, and supplier and allied relationships that allow NRO to fulfil its day-to-day missions and long term objectives.

19th MIT Senior Congressional and Executive Branch Staff Seminar

SSP hosted its third Seminar for Senior Congressional and Executive Branch Staff titled “Nuclear Weapons in the 21st Century: Dangers, Strategies and Policymaking.” **April 19-21, 2017.** MIT faculty and top outside experts focused on nuclear strategies, budgeting and the U.S. weapons arsenal, and the future of nuclear power and its implications for proliferation.

Rebecca Hersman, Director of the Project on Nuclear Issues, and Senior Adviser, International Security Program at the Center for Strategic and International Studies was the luncheon keynote speaker. Siegfried Hecker, Senior Fellow at the Freeman Spogli Institute for International Studies, and Research Professor of Management Science and Engineering, Stanford University was the keynote speaker at the dinner.

This year, 25 staffers from Congress and the Senate, as well as the State Department, Department of Defense, and other Executive Branches, travelled to MIT to participate in the three-day Seminar.

The seminar was a project of the Frankel (MIT) Global Policy Program Fund.

*A more detailed report will be featured in the upcoming SSP annual report (2016-17)

Where We Spoke

Noel Anderson, Alum '17

"Competitive Intervention, Protracted Conflict, and the Global Prevalence of Civil War" at the Young Scholars in International Relations Conference, Christopher H. Browne Center for International Politics, University of Pennsylvania, May 19, 2017.

Boaz Atzili, Alum '06

"Triadic Coercion: Israel, Arab States, and Non-State Actors," Israel Studies Association, Brandeis University, June, 2017.

Stacie Goddard, Research Affiliate

Presented at a workshop, Policy Levers on Great Power War, Yale University.

“ Strategic Issues in Global Politics Forum: The Global Impact of Domestic U.S. Policies,” Institute of International and Strategic Studies, Peking University, May 20 and 21, 2017.

Eugene Gholz, Alum '00

“China in the U.S. Defense Supply Chain: Assessing Dependence and Vulnerability,” Paper presented at the 21st Annual International Conference on Economics and Security, Brussels, Belgium, June 22, 2017 (presented with Andrew James).

“What Future for the Defense Industrial Base?,” Presentation at a conference on the trans-Atlantic defense partnership, Royal Military Academy, Brussels, Belgium, June 21, 2017.

“China in the U.S. Defense Supply Chain,” Paper presented at the U.S. Naval War College Ruger Chair Symposium, Newport, RI, June 1, 2017.

“U.S. Defense Politics,” Presentation at Peking University, Beijing, China, May 20, 2017.

“No Man’s Sea: Implications for Theory and Strategy,” Paper presented at the University of California, Berkeley, Monday International Relations Theory Seminar, April 24, 2017.

“The Case for Restraint,” Presentation to the John Quincy Adams Society, University of Michigan, Ann Arbor, MI, April 12, 2017.

“The Trajectory of Technology and the Design for Maintaining Naval Superiority,” Paper presented at the U.S. Naval War College EMC Chair Symposium, Newport, RI, April 5, 2017.

Kelly M. Greenhill, Research Affiliate

“Merchants of Menace: Extra-factual Sources of Threat Conception and Proliferation,” Columbia University’s International Politics Seminar, New York, NY, April 2017.

“True Lies: Threat Conflation and the 2003 Invasion of Iraq,” Women in Political Science Speaker Series, Hamilton College, Clinton, NY, April 2017.

“Extra-factual Information and the Future of Media and Authority in a ‘Post-truth’ World,” Institute for the Future’s Ten Year Forecast, San Francisco, CA, May 2017.

"Lessons from the Classroom," Sais's Basin Harbor Workshop for Teachers of Security Studies, Vergennes, VT, June 2017.

“Combatting Fake News and Other Extra-factual Information,” US DOD SMA Virtual Lecture Series, June 2017.

“Information and Other Influence Operations,” as part of a DOD-sponsored workshop on Societal Warfare, Washington, DC, June 2017.

Greenhill also participated on a panel on "Migration, Refugees and Security" for the Gerda Henkel Foundation's meeting on "Security, Society and the State" at Kloster Hegne, Konstanz, Germany, June 2017.

Robert Haffa, Alum '82

“Continuity and Change in American Foreign Policy” The Teacher’s Institute, Foreign Policy Association, NYU Midtown Center, New York, NY, June 28, 2017.

Greg Koblentz, Alum '04

“The De Novo Synthesis of Horsepox Virus: A Case Study,” presentation to the Committee on Strategies for Identifying and Addressing Biodefense Vulnerabilities Posed by Synthetic Biology, National Academies of Science, Engineering, and Medicine, Washington, DC, May 25, 2017.

Peter Krause, Alum '11

“To Which Victor Go the Spoils? Hierarchy and the Impact of Group Strength on Regime Capture,” Lincoln Labs, April 2017.

New England Cable News (NECN): “Rebel Power: Why National Movements Compete, Fight, and Win,” April 27, 2017.

NBC-Boston: “Next Steps in Syria,” April 10, 2017.

NBC-Boston: “Reaction to President Trump’s Airstrikes in Syria,” April 7, 2017.

WBZ-CBS News Radio: “Rebel Power: Why National Movements Compete, Fight, and Win,” April 19, 2017.

Alan J. Kuperman, Alum '02

“How to End an Ethnic Civil War: The 2003 Intervention in Liberia,” ASN, Columbia University, May 4-6, 2017.

“Libya: Did R2P Backfire by Incentivizing Rebellion?” BISA, Brighton, UK, June 14-16, 2017.

“Constitutional Design to Manage Ethnic Conflict,” IPSA, University of Cyprus, Nicosia, June 24-27, 2017.

Marika Landau-Wells, Graduate Student

Panelist at a meeting of the Future Society at the Harvard Kennedy School on the neuroscience of conflict and its implications for the future of warfare, April 1, 2017.

Speaker at the Cambridge offices of IDEO, a global design and innovation company, on the influence of threat perception on political behavior, June 7, 2017.

Roger Petersen, Faculty

“The Evolution of Counterinsurgency and Counterterrorism and the Future of US Foreign Military Assistance,” MIT Center for International Studies, Meeting with Consul Generals, April 11, 2017.

“Hybrid Warfare,” Draper Laboratories, Third Annual Innovation Summit, May 10, 2017.

Barry Posen, Faculty

US Army Plans and Policy, The Pentagon, "Multipolarity and the Management of Civil Wars," April 27, 2017.

Hertie School of Government, Berlin, Germany “Multipolarity—the emerging structure of international politics?” May 19, 2017.

Egmont Institute, Brussels, Belgium, panelist, “Allies, Partners and Rivals – And European Strategic Autonomy,” June 1, 2017.

Jayita Sarkar, CIS Security Studies Fellow '16-17

Jayita Sarkar gave presentations at the University of Cambridge’s Clare College on 6 July 2017, ETH Zurich’s Center for Security Studies on 12 May 2017, and Graduate Institute Geneva’s Department of International History on 9 May 2017, entitled, “American Policy to Curb West European Nuclear Exports in the 1970s.”

Sarkar also gave a talk at the ‘Nuclear History of France’ workshop at CERI Sciences in Paris on 5 May 2017, titled, “New Findings on Franco-Indian cooperation.”

Caitlin Talmadge, Alum '11

Carnegie Endowment for International Peace, Workshop on U.S.-China-Japan Strategic Stability.

Massachusetts Institute of Technology Seminar XXI.

Council on Foreign Relations, McCloy Roundtable on Setting the National Security Agenda.

Massachusetts Institute of Technology MIT Senior Congressional and Executive Staff Seminar.

Paul Walker, Alum '78

Live interview with Ashleigh Gillon, Sky News, Melbourne, Australia re: Syria & chemical weapons, April 5, 2017.

Live interview with Leigh Sales, ABC News, Melbourne, Australia re: Syria & chemical weapons, April 5, 2017.

Chaired “World Leadership Dialogue” on “Global Security, Sustainability, and Public Health” at 15th World Congress on Public Health, Melbourne, Australia, and spoke on “Abolition of Chemical Weapons,” <http://wcph2017.com/>, April 6, 2017.

Public presentation, “Chemical Weapons Use in Syria & Iraq: Impacts on Global Security,” University of Bonn, Bonn, Germany, organized by Amerika Haus, June 12, 2017.

Class presentation, “From Ypres to Damascus: A Century of Effort to Abolish Chemical Weapons,” Bonn International Center for Conversion, University of Bonn, Germany, June 12, 2017.

Presentation before the Open-Ended Working Group on Future Priorities, Organization for the Prohibition of Chemical Weapons (OPCW), The Hague, The Netherlands, on “Public Outreach, Education, and Strengthening the CWC,” June 19, 2017.

Jim Walsh, Faculty

UC Berkeley Cross Domain Deterrence Workshop, “Sanctions”, April 4, 2017.

Korea Econ Inst, “Korea”, April 5, 2017.

“Assessing the Iran Deal.” Oral Testimony. Committee on Oversight and Government Reform, Subcommittee on National Security, U.S. House of Representatives. April 5, 2017.

CIS Consul Generals, Event, “Iran & North Korea,” April 11, 2017.

MIT Senior Congressional and Executive Staff Seminar, “North Korea,” April 20, 2017.

Seminar XXI, “North Korea,” April 30, 2017.

NCACN podcast, May 3, 2017.

MIT nuclear weapons event, May 6, 2017.

IFANS (South Korea Government Think Tank), North Korea, June 21, 2017.

Asian Institute, North Korea, June 21, 2017.

British Foreign Office/Wilton Park, "Nuclear Security," June 27, 2017.

What We Wrote

Noel Anderson, Alum '17

Noel Anderson, "[The Al-Shayrat Strikes and Escalation Control in Syria](#)," *War on the Rocks*, 10 April 2017.

Shawn Creamer, Army Fellow '16-17

Shawn Creamer, "Theater-level Command and Alliance Decision-Making Architecture in Korea" *International Journal of Korean Studies*, Volume XX, Number 2, Fall/Winter 2016.

Eugene Gholz, Alum '00

Eugene Gholz, "[Why U.S. Strategy Must Adapt to Technological Change](#)," *World Politics Review*, April 18, 2017.

Kelly M. Greenhill, Research Affiliate

Kelly M. Greenhill, "Faking News: Fake news and alternative facts are nothing new. But only by understanding their history can we diffuse their disruptive power," *Tufts Magazine* (May 2017).

"Combating Fake News: An Agenda for Research and Action," joint author as one member of a large collaborative effort, *Shorenstein Center Conference Report*, Harvard (April 2017).

Also, Spanish and Portuguese translations of Greenhill's "Migration as a Weapon in Theory and in Practice" piece, which appeared in *Military Review* in December 2016 were published in May/June 2017 issue.

Jeanne Guillemin, Senior Advisor

Jeanne Guillemin has written the preface for the definitive new book on the French biological weapons program, *La guerre biologique: Aventures francaises* (Biological Warfare: French Adventures) by Etienne Aucouturier (Paris: Les Editions Meteorologiques, 2017)

Jeanne Guillemin's book chapter "The 1925 Geneva Protocol: China's CBW Charges Against Japan at the Tokyo War Crimes Tribunal" appears in Bratislav Friedrich et al., eds, *One Hundred Years of Chemical Warfare: Research, Deployment, Consequences* (Springer, 2017). The volume

is based on the proceedings of the April 2015 conference sponsored by the Max Planck Institute for the History of Science and the Fritz Haber Institute, Berlin.

Robert Haffa, Alum '82

Robert Haffa, "Take a Lesson from the Cold War to Use in North Korea," *DefenseNews.com*, May 16, 2017.

Greg Koblentz, Alum '04

Gregory D. Koblentz, "[Syria's Chemical Kill Chain](#)," *Foreign Policy*, April 7, 2017.

Gregory D. Koblentz and Nathaniel Morra, "[Pandemics, Personnel, and Politics: How the Trump Administration is Leaving Us Vulnerable to the Next Outbreak](#)," *Global Biodefense*, April 6, 2017.

Gregory D. Koblentz and Paul F. Walker, "[Can Bill Gates Rescue the Bioweapons Convention?](#)" *Bulletin of the Atomic Scientists*, April 3, 2017.

Peter Krause, Alum '11

Peter Krause, *Rebel Power: Why National Movements Compete, Fight, and Win* (Ithaca: Cornell University Press, Cornell Studies in Security Affairs, 2017).

Jeremy Pressman, Alum '02

Jeremy Pressman, "Throwing Stones in Social Science: Nonviolence, Unarmed Violence, and the First Intifada," *Cooperation & Conflict* (2017).

Russell Rumbaugh, Alum '04

Congressional Research Service report: Defining Readiness: Background and Issues for Congress.

Jayita Sarkar, CIS Security Studies Fellow, '16-17

Jayita Sarkar, "Indian Nuclear History, Frozen in Time," *Sources and Methods*, History and Public Policy Program, Woodrow Wilson Center, 22 June 2017.

Jayita Sarkar, "Sino-Indian Nuclear Rivalry: Glacially 'Declassified'," *The Diplomat*, Features, 2 June 2017.

Paul Staniland, Alum '10

Paul Staniland, "Armed Politics and the Study of Intrastate Conflict," *Journal of Peace Research*, Vol. 54, No. 4 (July 2017).

Caitlin Talmadge, Alum '11

“Would China Go Nuclear? Assessing the Risk of Chinese Nuclear Escalation in a Conventional War with the United States,” *International Security* 40(4): 50-92.

Alec Warsnop, Alum '17

Alec Warsnop, “[Who Can Keep the Peace: Insurgent Organizational Control of Collective Violence](#),” *Security Studies*, May 8, 2017.

Paul Walker, Alum '78

Irma Arguello, Sharon Squassoni, and Paul Walker, “Trump Budget Cuts Threaten Global Security,” *Arms Control Now*, <https://www.armscontrol.org/blog>, June 13, 2017.

Jim Walsh, Faculty

“Are Sanctions on North Korea Having an Impact? Perspectives from Washington and Cambridge.” Washington: Korea Economic Institute, 2017.

“[Assessing the Iran Deal](#),” Written Testimony. Committee on Oversight and Government Reform, Subcommittee on National Security, U.S. House of Representatives. April 5, 2017.

“[Is war coming to North Korea?](#)” Al Jazeera.com. April 26, 2017.

“[North Korea won't be solved without South Korea - Trump Summit with President Moon is a chance to align strategy with key ally](#),” Fox News, June 21, 2017.

Notes from All Over

Joel Brenner, Senior Research Fellow

In late May Brenner spent four days in Tokyo briefing officials from the Cabinet office, the ministries of defense and economics, trade, and industry, and many private companies on our recent report on protecting critical infrastructure networks.

Eugene Gholz, Alum '00

Eugene Gholz is moving to the University of Notre Dame (leaving the University of Texas at Austin). His first day as an associate professor in the political science department at Notre Dame was July 1, 2017.

Jeanne Guillemin, Senior Advisor

Jeanne Guillemin was the first to correctly answer Council quiz stating that Congress has passed the National Defense Authorization Act (NDAA) for 55 years in a row until now. This year's NDAA has not been passed yet. She was also the first to answer last week's Center quiz, stating the U.S. ratified the Chemical Weapons Convention (CWC) in April, 1997.

Paul Staniland, Alum '10

Paul Staniland was promoted to Associate Professor of Political Science at the University of Chicago.

Paul Walker, Alum '78

Attended Chemical Weapons Convention (CWC) 20th Anniversary Commemoration, The Hague, The Netherlands, <https://www.opcw.org/>, April 26, 2017.

Alec Warsnop, Alum '17

Alec Warsnop was selected as a Non-Resident Fellow at the Modern War Institute at West Point for 2017-18. Warsnop will also be starting as an Assistant Professor in the School of Public Policy at the University of Maryland in August.

Awards and Scholarships**Shawn Creamer, Army Fellow '16-17**

Creamer's Civilian Research Project for the Army War College won the General Ridgway Research Award this year. Professor Richard Samuels was Creamer's academic adviser for this project. The project was titled, "Answering the Korea Question: U.S. Government Policy toward the Unified Command and the Korean Armistice Agreement."

Reid Pauly, Graduate Student

Reid Pauly won a Tobin fellowship to support his dissertation research.

Barry Posen, Faculty

Barry Posen was awarded the MIT, Frank Perkins Award in May 2017. The Frank E. Perkins Award for Excellence in Graduate Advising is given each year to a professor who has served as an excellent advisor and mentor for graduate students. The award is named in honor of Frank E. Perkins, Dean of the Graduate School from 1983-95.

Alec Warsnop, Alum '17

Alec Warsnop's dissertation received the Lucian Pye Award for best Political Science dissertation in the MIT Department of Political Science for 2017.

Ketian Zhang, Graduate Student

Ketian Zhang was awarded two fellowships: The Chiang Ching-kuo Foundation Dissertation Fellowship and a Pre-doctoral Research Fellowship at the Belfer Center for Science and International Affairs.