



2023 NUCLEAR PUBLIC POLICY FELLOWSHIP – COURSE SYLLABUS

COURSE AIMS

This course focuses on questions central to assessing the merits of any nation’s civil and military nuclear policies. Course topics include nuclear deterrence, nuclear energy and technology, the history of nuclear nonproliferation and arms control, energy economics, nuclear terrorism and intelligence, and future trends.

ATTENDANCE POLICY AND SCHEDULE

The course will cover the following topics over an 11 week period. Participants are expected to attend six or more seminars, and at least four must be priority topics. Any class marked with an (*) is considered a priority topic. Any class that is missed can be made up by taking the online quiz. The September 7th kick-off should not be counted towards the attendance totals.

September 7 th (Thursday)	Paul Bracken : Nuclear Public Policy Fellowship Kick-Off. Click here for the readings.
September 8 th	City Busting, the Nuclear Weapons Revolution, and Precision Guidance*
September 15 th	Nuclear Deterrence
September 22 nd	Nuclear Energy Basics: Fission, Fusion and Bomb Designs, Part 1*
September 29 th	Nuclear Energy Basics: Fission, Fusion and Bomb Designs, Part 2*
October 6 th	Nuclear Energy Basics: Reactors and Fuel Making*
October 13 th	Early International Nuclear Controls: The Acheson-Lilienthal Report, the Baruch Plan, and Eisenhower’s Atoms for Peace*
October 20 th	International Nuclear Controls, Part 2: International Atomic Energy Agency (IAEA) and Safeguards, The Nuclear Nonproliferation Treaty (NPT) and the Three Pillars View*
October 27 th	Arms Control
November 3 rd	Energy Economics: Nuclear and Non-Nuclear
November 9 th (Thursday)	Nuclear Terrorism and Nuclear Proliferation Intelligence
November 17 th	Thinking About the Next Arms Race*

OPTIONAL DISCUSSION MEETINGS AND GUEST LECTURES

In between formal required lectures, several optional, additional guest lectures will be held at 5 pm on the following days:

September 11 th	Chris Chen : The World Replete with Advanced Precision Strike Weapons
September 18 th	Brent Ziarnick : How Space Power Theory Affects One's Deterrence Outlook Jake Bebber : How Might We Deter China?
September 25 th	Gregory Jones : More Than Fissile Material: Building a Bomb, the Historical Experience
October 2 nd	Bruce Goodwin : Reactor-Grade Plutonium's Weapons Utility
October 10 th (Tuesday)	Nick Roth : Reactors in Warzones: What Could Go Wrong
October 16 th	Thomas Grant : Articles I, II, and VI: New Issues for the NPT
October 23 rd	Eva Lisowski : Grim Prospect: Low-Yield Nuclear Weapons in the Middle East
October 30 th	Brian Chow : Technical and Policy Responses to Rendezvous Spacecraft and Ground-Based Laser ASATs
November 6 th	Peter Bradford : How Should Small Reactor Accidents Be Insured?
November 13 th	William Tobey : Libya As a Nuclear Nonproliferation Intelligence Success Richard Lawless : Success in Turning Off the South Korean Program in the 1970s

ACCESSING PASSWORD PROTECTED READINGS

Additional required and recommended readings/films listed in syllabus will be made available to the students at the following website: <https://www.nuclearpolicy101.org/>.

Password protected readings can be accessed with the following information:

Username: NuclearPolicy101

Password: NP101

1. CITY BUSTING, THE NUCLEAR WEAPONS REVOLUTION, AND PRECISION GUIDANCE

REQUIRED READINGS

- Simon Denyer, [*One-third of Americans would support a preemptive nuclear strike on North Korea, researchers say*](#), *Washington Post*. June 25, 2019. (Last Accessed August 26, 2019)
- James Digby, [*Precision Guided Weapons*](#), *Adelphi Paper* no. 118 (London: International Institute for Strategic Studies, 1975). **Password protected PDF**
- Henry Sokolski, [*City Busting, the Nuclear Weapons Revolution, and Precision Guidance Lecture Notes*](#), *Nonproliferation Policy Education Center*. September 2022.
- Henry Sokolski and Kate Harrison, [*Two Modern Military Revolutions: Dramatic Increases in Explosive Yields and Aiming Accuracies*](#), *Nonproliferation Policy Education Center*, October 4, 2013.

RECOMMENDED READINGS

The Importance of Reading History

- Richard Fontaine and Vance Serchuck, [*The Uses and Misuses of Historical Analogy for North Korea*](#), *The Atlantic*, October 3, 2017.
- Richard E. Neustadt and Ernest May, [*Thinking in Time: The Uses of History for Decisions Makers*](#) (New York: The Free Press, 1986).
- Roger C. Schank, [*Tell Me a Story: Narrative and Intelligence*](#) (Branston, IL: Northwestern University Press, 1990).

Targeting Innocents before World War II: Theories and Practice

- A. J. Barker, [*The Civilizing Mission: A History of the Italo-Ethiopian War of 1935-1936*](#) (New York: Dial Press, 1968), 231-244. **Password protected PDF**
- Thomas M. Coffey, [*Lion by the Tail: The Story of the Italian-Ethiopian War*](#) (New York: Viking Press, 1974), 262-282. **Password protected PDF**
- Erik J. Dahl, [*Net-Centric Before Its Time: The Jeune Ecole and Its Lessons for Today*](#), *Naval War College Review* 58, no. 4 (Autumn 2005): 109-125.
- Giulio Douhet, [*Command of the Air*](#), trans. Dino Ferrari (Washington, DC: Air Force History and Museum Programs, 1998).
- William Mitchell, [*Winged Defense: The Development and Possibilities of Modern Air Power—Economic and Military*](#) (New York: G.P. Putnam's Sons, 1925).

Hugh Trenchard, "[The War Object of an Air Force](#)," in *The Art of War in World History: From Antiquity to the Nuclear Age*, ed. Gérard Chaliand (Berkeley: University of California Press, 1994), 905-910.

Strategic Bombing: World War II

["Battle of Britain,"](#) *Wikipedia*, last modified August 4, 2021.

["Battle of the Netherlands,"](#) *Wikipedia*, last modified August 8, 2021.

["Bombing of Cologne in World War II,"](#) *Wikipedia*, last modified June 14, 2021.

["Bombing of Dresden in World War II,"](#) *Wikipedia*, last modified August 2, 2021.

["Rotterdam Blitz,"](#) *Wikipedia*, last modified July 17, 2021.

Tami Davis Biddle, "[Dresden 1945: Reality, History, and Memory](#)," *Journal of Military History* 72 (April 2008): 413-449. **Password protected PDF**

Sebastian Cox, ed. *The Strategic Air War against Germany, 1939-1945: The Official Report of the British Bombing Survey Unit* (London: Frank Cass Publishers, 1998).

[First Half:](#) **Password protected PDF**

[Second Half:](#) **Password protected PDF**

Colin Fraser, "[Taranto Raid: Bi planes smash Italian Fleet at Taranto – The Inspiration For Pearl Harbor](#)," War History Online, February 15, 2018.

Daniel Gelernter, "[Was Dropping the Atomic Bomb Necessary?](#)" *Washington Examiner*, August 27, 2015.

B. H. Liddell Hart, "[The Crescendo of Bombing: The Strategic Air Offensive against Germany](#)," in *History of the Second World War* (New York: G.P. Putnam's Sons, 1970), 589-612. **Password protected PDF**

Alexander McKee, *Dresden 1945: The Devil's Tinderbox* (New York: E.P. Dutton, 1984), 46-68. **Password protected PDF**

Richard Overy, *The Bombing War: Europe 1939-1945* (New York: Penguin Books, 2013).

Robert A. Pape, "Japan, 1944-1945" and "Germany, 1942—1945," in *Bombing to Win: Air Power and Coercion in War* (Ithaca, NY: Cornell University Press, 1996), 87-136; 254-313. **Password protected PDF**

U.S. Department of War, *U.S. Strategic Bombing Survey: European War* (Washington, DC: Government Printing Office, September 30, 1945).

U.S. Department of War, *U.S. Strategic Bombing Survey: Pacific War* (Washington, DC: Government Printing Office, July 1, 1946).

Kurt Vonnegut, *Slaughterhouse-Five, or, The Children's Crusade: A Duty-Dance with Death* (New York: Delacorte, 1969).

The Nuclear Revolution and Weapons Effects

- Patrick Maynard Stuart Blackett, *Fear, [War and the Bomb: Military and Political Consequences of Atomic Energy](#)* (New York: Whittlesey House, 1949), 39-73. **Password protected PDF**
- Ed Browne, "[How to Survive a Nuclear Bomb](#)," *Newsweek*, September 16, 2022.
- Tom Demerly, "[80 Years Ago Today: The Japanese Secret Weapons Used at Pearl Harbor](#)," *The Aviationist*, December 7, 2021.
- Lawrence Freedman, "[The Strategy of Hiroshima](#)," *Journal of Strategic Studies* 1, no. 1 (May 1978): 76-97.
- Alexander Glaser, "[Effects of Nuclear Weapons](#)" (lecture slides, Princeton University, Princeton, NJ, February 12, 2009).
- Samuel Glasstone and Philip J. Dolan, "[The Effects of Nuclear Weapons. Third edition](#)," U.S. Department of Defense, 1977.
- John Hersey, "[Hiroshima](#)," *New Yorker* 22, no. 29 (August 31, 1946).
- Eva Lisowski, "[Grim Prospect: Low-Yield Nuclear Weapons in the Middle East](#)," Nonproliferation Policy Education Center, May 27, 2021.
- John Mueller, *Atomic Obsession: [Nuclear Alarmism from Hiroshima to Al-Qaeda](#)* (New York: Oxford University Press, 2010), 29-53. **Password protected PDF**
- Richard Muller, "[The Origins of MAD: A Short History of City-Busting](#)," in *Getting MAD: Nuclear Mutual Assured Destruction, Its Origins and Practice*, ed. Henry Sokolski (Carlisle, PA: Strategic Studies Institute, 2004), 15-50.
- Keiji Nakazawa, *[Barefoot Gen](#)*, directed by Mori Masaki, July 21, 1983, 85 min, DVD. See especially the clip, "Hiroshima Destroyed."
- David Alan Rosenberg, "[The Origins of Overkill: Nuclear Weapons and American Strategy 1945-1960](#)," *International Security* 7, no. 4 (Spring 1983): 3-71. **Password protected PDF**
- Eric Schlosser, *[Command and Control: Nuclear Weapons, the Damascus Accident, and the Illusion of Safety](#)* (New York: Penguin Press, 2013), 83-88, 119-144. **Password protected PDF**
- Harry S. Truman, "[Annual Message to the Congress on the State of the Union](#)," January 7, 1953.
- Alex Wellerstein, "[Counting the dead at Hiroshima and Nagasaki](#)," *Bulletin of the Atomic Scientists*, August 4, 2020.
- Alex Wellerstein, "[The First Atomic Stockpile Requirements \(September 1945\)](#)," *Restricted Data: The Nuclear Secrecy Blog*, May 9, 2012.
- Alex Wellerstein, "[NUKEMAP](#)," *Restricted Data: The Nuclear Secrecy Blog*, 2013.

Ward Wilson, "[The Bomb Didn't Beat Japan...Stalin Did](#)," *Foreign Policy*, May 29, 2013.

Civil Defense

Atomic Theater, "[Civil Defense Films](#)," accessed May 30, 2013.

Garrett Graff, [Raven Rock: The Story of the U.S. Government's Secret Plan to Save Itself--While the Rest of Us Die](#), Simon and Schuster, May 22, 2018.

Fred Charles Iklé, [The Social Impact of Bomb Destruction](#) (Norman, OK: University of Oklahoma Press, 1958).

National Security Resources Board, Civil Defense Office, [Survival Under Atomic Attack](#), NSRB Doc. 130 (Washington, DC: Government Printing Office, 1950).

National Security Resources Board, [United States Civil Defense](#) (Blue Book), NSRB Doc. 128. (Washington, DC: Government Printing Office, 1950).

War Department Civil Defense Board, [A Study of Civil Defense](#) (Bull Board Report) (Washington, DC, National Military Establishment, Office of the Secretary of Defense, February 1948).

Precision Guidance

James Digby, [Precision Guided Weapons](#), *Adelphi Paper* no. 118 (London: International Institute for Strategic Studies, 1975). **Password protected PDF**

Mark Gunzinger and Bryan Clark, [Maintaining the U.S. Military's Advantage in Precision Strike](#), Center for Strategic and Budgetary Assessments, 2015.

Michael Peck, "[The Nazi Smart Bombs that Inspired China's ship-killing Missiles](#)," *War is Boring* (blog), February 19, 2014.

Henry Sokolski, "[Dr. Strangelove's New Passion: Precision-Guided Mayhem](#)," *American Purpose*, March 17, 2021.

Jim Thomas, "[A Blueprint for Rebuilding America's Military After the Coronavirus](#)," *The National Interest*, March 28, 2020.

U.S. Department of Defense, [Discriminate Deterrence: Report of the Commission on Integrated Long-Term Strategy](#) (Washington, DC: Government Printing Office, 1988).

Uzi Rubin, "[Israel and the Precision-Guided Missile Threat](#)," The Begin-Sadat Center for Strategic Studies, June 16, 2020.

The Morality of City Busting

Justin Anderson, "[Law of War Considerations in Fielding Nuclear Forces](#)," *Arms Control Today* Vol. 46, September 2016.

- Barton J. Bernstein, "[American Conservatives Are the Forgotten Critics of the Atomic Bombing of Japan](#)," *San Jose Mercury News*, August 2, 2014.
- William Burr, ed., "[U.S. Cold War Nuclear Target Lists Declassified for First Time](#)," *The National Security Archive*, December 22, 2015.
- Richard P. DiMeglio, et al., *Law of Armed Conflict Deskbook* ed. William J. Johnson and Andrew D. Gillman (Charlottesville, VA: United States Army Judge Advocate General's Legal Center and School, 2012).
- Alexander B. Downes, *Targeting Civilians in War*, Cornell Studies in Security Affairs (Ithaca, NY: Cornell University Press, 2008), 1-12, 83-155.
- [Introduction](#): Password protected PDF
- [Chapter 3](#): Password protected PDF
- [Chapter 4](#): Password protected PDF
- Freeman Dyson, *Weapons and Hope* (New York: Harper and Row, 1984), 3-15, 286-295.
Password protected PDF
- A. C. Grayling, *Among the Dead Cities: The History and Moral Legacy of the WWII Bombing of Civilians in Germany and Japan* (New York: Walker and Company, 2006), 209-281. **Password protected PDF**
- Richard Gunderman, "[H.G. Wells vs. George Orwell: Their debate whether science is humanity's best hope continues today](#)," *The Conversation*, December 21, 2017.
- Max Hastings, *Retribution* (New York: Alfred A. Knopf, 2008).
- Zachary Keck, "[How Hiroshima and Nagasaki Saved Millions of Lives](#)," *The Diplomat*, August 7, 2014.
- Steven P. Lee, *Morality, Morality Prudence, and Nuclear Weapons*, Cambridge Studies in Philosophy and Public Policy (New York: Cambridge University Press, 1993).
- Jeffrey G. Lewis and Scott D. Sagan, "[The Common-Sense Fix that American Nuclear Policy Needs](#)," *The Washington Post*, August 24, 2016/.
- Matthew G. McKenzie, Thomas B. Cochran, Robert S. Norris, and William M. Arkin, "[Attacking Russian Cities: Two Countervalue Scenarios](#)" in *The U.S. Nuclear War Plan: A Time for Change* (Washington, DC, National Resources Defense Council, June 2001), 113-128.
- Katherine McKinney, Scott D. Sagan, "[Why the atomic bombing of Hiroshima would be illegal today](#)," *Bulletin of the Atomic Scientists*, Vol. 76, July 20, 2020.
- Wilson Miscamble, *The Most Controversial Decision* (New York: Cambridge University Press, 2011).
- Richard Overy, *The Bombers and the Bombed: Allied Air War Over Europe, 1940-1945* (New York: Viking, 2013).

- Daryl G. Press, Scott D. Sagan and Benjamin A. Valentino, "[Atomic Aversion: Experimental Evidence on Taboos, Traditions, and the Non-Use of Nuclear Weapons](#)," *American Political Science Review* 107, no. 1 (February 2013).
- Richard Price and Nina Tannenwald, "[Norms and Deterrence: The Nuclear and Chemical Weapons Taboos](#)," in *The Culture of National Security: Norms and Identity in World Politics*, ed. Peter J. Katzenstein (New York: Columbia University Press, 1996), 114-152. **Password protected PDF**
- Scott Sagan and Benjamin Valentino, "[Revisiting Hiroshima in Iran](#)," *International Security* 42, no. 1 (Summer 2017): 41-79.
- Ronald Schaffer, "[American Military Ethics in World War II: The Bombing of German Civilians](#)," *Journal of American History* 67, no. 2 (September 1980): 318-324. **Password protected PDF**
- Joseph Trevithick, "[America Nearly Attacked Japan with Chemical Weapons in 1945](#)," *War is Boring*, June 10, 2016.
- Alex Wellerstein, "[A 'purely military' target? Truman's changing language about Hiroshima](#)," *Restricted Data: The Nuclear Security Blog*, January 19, 2018.
- H.G. Wells, [The World Set Free: A Story of Mankind](#) (London: Macmillan & Co., 1914).
- Ward Wilson, "[Did bombing Hiroshima and Nagasaki save lives?](#)" *Beyond Nuclear International*, August 13, 2018.

2. NUCLEAR DETERRENCE

REQUIRED READINGS

- William Burr, ed., "[How Much is Enough?: The U.S. Navy and 'Finite Deterrence,'](#)" *National Security Archive*, Electronic Briefing Book No. 275, May 1, 2009.
- Sir Michael Quinlin, [Easements and Escape Routes](#), in *Thinking About Nuclear Weapons* (Oxford: Oxford University Press, 2009): 99-104. **Password Protected PDF**
- Henry Sokolski, [Nuclear Deterrence Lecture Notes](#), Nonproliferation Policy Education Center. September 2023.
- Albert Wohlstetter, [The Delicate Balance of Terror](#), paper P-1472 (Santa Monica, CA: RAND Corporation, November 6, 1958).

RECOMMENDED READINGS

First Thoughts on Nuclear Deterrence

- William L. Borden, [There Will Be No Time: The Revolution in Strategy](#) (New York: The Macmillan Company, 1946).
- Bernard Brodie, ed., [The Absolute Weapon: Atomic Power and World Order, preliminary draft for Restricted Distribution](#), February 15, 1946 (New Haven, CT: Yale Institute of International Studies, 1946), 14-89.
- J. Franck, et al. "[The Franck Report](#)," reprinted in Alice Kimball Smith, *A Peril and a Hope* (Chicago: University of Chicago Press, 1965), 560-565. **Password Protected PDF**
- Zay Jefferies, et al., "[Prospectus on Nucleonics \(The Jeffries Report\)](#)," reprinted in Alice Kimball Smith, *A Peril and a Hope* (Chicago: University of Chicago Press, 1965), 539-559. **Password Protected PDF**
- Dexter Masters and Katherine Way, ed., [One World or None](#). (New York: McGraw-Hill, 1946). **Password Protected PDF**
- National Committee on Atomic Information, "[One World or None](#)," filmed 1946, YouTube video, posted by FA Scientists, 9:12, posted August 5, 2013.
- Louis N. Ridenour, "[There is No Defense](#)," in *One World or None*, ed. Dexter Masters and Katherine Way (New York, NY: McGraw-Hill, 1946). **Password Protected PDF**
- Alice Kimball Smith, *A Peril and a Hope: The Scientists' Movement in America, 1945-47* (Chicago: University of Chicago Press, 1965).
- [Part 1 and 2](#): **Password Protected PDF**
- [Part 3](#): **Password Protected PDF**
- [Part 4](#): **Password Protected PDF**

Jacob Viner, "[The Implications of the Atomic Bomb for International Relations](#)," in *Symposium on Atomic Energy and its Implications: Papers read at the joint meeting of the American Philosophical Society and the National Academy of Sciences, November 16 and 17, 1945* (Philadelphia: American Philosophical Society, 1946). **Password Protected PDF**

Robust Nuclear Deterrence: Requirements and Practice

[Always Never, the Quest for Safety, Control, and Survivability](#). YouTube video by the National Security Archive, December 23, 2014.

Keith B. Payne, "[Why Do US Nuclear Force Numbers Matter for Deterrence?](#)" *National Institute for Public Policy*, Information Series no. 404, March 9, 2016.

Glenn H. Snyder, "[Deterrence and Defense](#)," reprinted in Robert J. Art and Kenneth N. Waltz, eds., *The Use of Force: International Politics and Foreign Policy* (New York: University Press of America, 1983), 56-76. **Password Protected PDF**

Albert Wohlstetter, Fred S. Hoffman, Robert J. Lutz and Henry S. Rowen, [Selection of Strategic Air Bases](#), special staff report R-244-S (Santa Monica, CA: RAND Corporation, March 1, 1953), and special staff report [R-266](#) (Santa Monica, CA: RAND Corporation, April 1954).

Albert Wohlstetter, Fred S. Hoffman and Henry S. Rowen, [Protecting U.S. Power to Strike Back in the 1950's and 1960's](#), staff report R-290 (Santa Monica, CA: RAND Corporation, September 1, 1956), top secret, declassified circa mid-1960s.

Roberta Wohlstetter, [Pearl Harbor: Warning and Decision](#) (Stanford, CA: Stanford University Press, 1962).

William C. Yengst, et al., "[Nuclear Weapons that Went to War](#)," draft final report DNA-TR-96 (Alexandria, VA: Defense Special Weapons Agency, October 1996).

Origins of "Finite Deterrence"

Commander P.H. Backus, "[Finite Deterrence, Controlled Retaliation](#)," *United States Naval Institute Proceedings* 85, no. 3 (March 1959), 23-29.

Pierre Marie Gallois, [Strategie de l'age nuclear](#) (Paris: Francois-Xavier de Guibert, 1960).

David Alan Rosenberg, "[The Origins of Overkill: Nuclear Weapons and American Strategy, 1945-1960](#)," in *Strategy and Nuclear Deterrence: An International Security Reader*, ed. Steven E. Miller (Princeton, NJ: Princeton University Press, 1984), 113-181. **Password Protected PDF**

Harvey Sapolsky, "[The U.S. Navy's Fleet Ballistic Missile Program and Finite Deterrence](#)," in Henry Sokolski, ed. *Getting MAD: Nuclear Mutual Assured Destruction, Its Origins and Practices* (Carlisle, PA: Strategic Studies Institute, 2004), 123-135.

Henry D. Sokolski, ed., [Getting MAD: Nuclear Mutual Assured Destruction, Its Origins and Practice](#) (Carlisle, PA: Strategic Studies Institute, November 2004).

Bruno Tertrais, "['Destruction Assurée': The Origins and Development of French Nuclear Strategy](#)," in *Getting MAD: Nuclear Mutual Assured Destruction, Its Origins and Practice*, ed. Henry Sokolski (Carlisle, PA: Strategic Studies Institute, 2004), 51-122.

David S. Yost, "[France's Nuclear Deterrence Strategy: Concepts and Operations Implementation](#)," in *Getting MAD: Nuclear Mutual Assured Destruction, Its Origins and Practice*, ed. Henry Sokolski (Carlisle, PA: Strategic Studies Institute, 2004), 197- 237.

Proliferation: A Plus or Minus for Deterrence?

Matthew Fuhrmann, "[Preventive War and the Spread of Nuclear Programs](#)," NPEC Working Paper 1221, (Arlington, VA: Nonproliferation Policy Education Center, June 28, 2012).

Steven Kidd, "[Nuclear proliferation risk – is it vastly overrated?](#)" *Nuclear Engineering International*, July 23, 2010.

Matthew Kroenig, "[The History of Proliferation Optimism: Does It Have a Future?](#)" in *Moving Beyond Pretense: Nuclear Power and Nonproliferation* (Carlisle, PA: Strategic Studies Institute, 2014), 45-89.

John Mueller, "[Deterring World War III: Essential Irrelevance](#)" in *Atomic Obsession: Nuclear Alarmism from Hiroshima to Al Qaeda* (New York, NY: Oxford, 2010), 29-42. **Password Protected PDF**

Bruce Mueno de Mesquita and William Riker, "[An Assessment of the Merits of Selective Nuclear Proliferation](#)," *Journal of Conflict Resolution* 26, no. 2 (1982): 283-306.

Scott Sagan and Kenneth Waltz, [The Spread of Nuclear Weapons: A Debate](#) (New York: W.W. Norton, 1995).

Henry D. Sokolski, ed., "[Should We Let the Bomb Spread?](#)" (Carlisle PA: Strategic Studies Institute, 2016).

Accidents and Illicit Use

Peter Burt, [Playing With Fire: Nuclear Weapons Incidents and Accidents in the United Kingdom](#) (Reading, UK, Nuclear Information Service, February 2017).

Scott Sagan, "[Perils of Proliferation: Organization Theory, Deterrence Theory, and the Spread of Nuclear Weapons](#)," *International Security* 18, No. 4 (Spring 1994).

Scott Sagan, [The Limits of Safety: Organizations, Accidents, and Nuclear Weapons](#) (Princeton: Princeton University Press, 1995).

Eric Schlosser, [Command and Control: Nuclear Weapons, the Damascus Accident, and the Illusion of Safety](#) (New York: Penguin Press, 2013).

Eric Schlosser, "[World War Three, by Mistake,](#)" *The New Yorker*, December 23, 2016.

Tactical Nuclear Weapons and First Use

Elbridge Colby, "[Russia's Evolving Nuclear Doctrine and its Implications,](#)" *Foundation pour la Recherche Stratégique*, No. 1 (January 2016).

Michael Krepon, "[Not Just Yet for No First Use,](#)" *Arms Control Wonk* (blog), July 31, 2016.

Fredrik Logevall, "['We Might Give Them a Few.' Did the US Offer to Drop Atom Bombs at Dien Bien Phu?](#)" *Bulletin of the Atomic Scientists*, February 21, 2016.

Jeffrey D. McCausland, "[Pakistan's Nuclear Weapons: Operational Myths and Realities,](#)" Stimson Center Analysis, March 10, 2015.

Clark Murdock, et al., "[Project Atom: A Competitive Strategies Approach to Defining U.S. Nuclear Strategy and Posture for 2025-2050,](#)" CSIS Reports, Center for Strategic & International Studies, May 2015.

Sir Michael Quinlin, "[Easements and Escape Routes,](#)" in *Thinking About Nuclear Weapons* (Oxford: Oxford University Press, 2009): 99-111. **Password Protected PDF**

Josh Rogin, "[U.S. Allies Unite to Block Obama's Nuclear 'Legacy,'](#)" *The Washington Post*, August 14, 2016.

Scott Sagan, "[The Case for No First Use,](#)" *Survival* 51, No. 3 (June-July 2009): 163-182.

Mark Schneider, "[The Nuclear Forces and Doctrine of the Russian Federation](#)" (Fairfax, VA: National Institute Press, 2006).

What Might Nuclear Deterrence Require Today?

William Burr, "[SAC Nuclear Planning for 1959,](#)" The National Security Archive, December 22, 2015

Brian Chow, "[Stalkers in Space: Defeating the Threat,](#)" *Strategic Studies Quarterly* (Summer 2017): 82-116.

Benjamin Friedman, Christopher Preble, and Matt Fay, "[The End of Overkill: Reassessing U.S. Nuclear Weapons Policy,](#)" *CATO Institute*, 2013.

Michael S. Gerson, "[The Origins of Strategic Stability: The United States and the Threat of Surprise Attack,](#)" in Elbridge A. Colby and Michael S. Gerson, eds., *Strategic Stability: Contending Interpretations* (Carlisle PA: Strategic Studies Institute, 2013), 1-46.

Victor Gilinsky, "[What if the taboo on nuclear weapon use is broken,](#)" Paper prepared for 15th PIIC Beijing Seminar, October 16, 2016.

Peter Huessy, "[In Defense of the Nuclear Triad,](#)" *Defense One*, October 18, 2013.

Keith Payne and Matthew Costlow, "[Nuked: Destroying the Myth of Minimum Deterrence,](#)" *The National Interest*, December 12, 2014.

Mark B. Schneider, "[Countering Putin's Nuclear Threats,](#)" *Real Clear Defense*, July 06, 2022.

Sara Scoles, "[New Space Robots Will Fix Satellites, Or Maybe Destroy Them,](#)" *Wired*, September 10, 2018.

Harold Smith and Raymond Jeanloz, "[Britain Leads the Way to Global Zero,](#)" *Arms Control Today* 40, no. 10 (December 2010).

Madina Ali Zamani, "[New Wars and the Fallacies of Traditional Deterrence Approaches,](#)" *Modern Diplomacy*, August 30, 2020.

How Effective Is Nuclear Deterrence?

Paul Bracken, [The Second Nuclear Age: Strategy, Danger, and the New Power Politics](#) (New York: Times Books, 2012).

Chris Ford, "[The Future of Nuclear Deterrence,](#)" *Hudson Institute*, March 17, 2011.

Matthew Furfman and Todd S. Sechser, [Nuclear Weapons and Coercive Diplomacy](#), (Cambridge: Cambridge University Press, 2017).

Victor Gilinsky, "[On Tickling the Dragon's Tail,](#)" *Bulletin of the Atomic Scientists*, February 26, 2016.

Robert Jervis, [The Meaning of the Nuclear Revolution: Statecraft and the Prospect of Armageddon](#) (Ithaca: Cornell University Press, 1989).

Tod Lindberg, "[Nuclear and Other Retaliation After Deterrence Fails,](#)" in Henry D. Sokolski, ed., *Getting MAD: Nuclear Mutual Assured Destruction, Its Origins and Practice* (Carlisle, PA: Strategic Studies Institute, 2004), pp. 317-339.

John Mueller, "[Nuclear Weapons Don't Matter,](#)" *Foreign Affairs*, October 15, 2018.

Sebastien Roblin, "[Madmen With Nuclear Codes — An History of Unpredictable Foreign Policy,](#)" *War is Boring*, November 22, 2016.

Ward Wilson, "[The Myth of Nuclear Deterrence,](#)" *Nonproliferation Review* 15, no. 3 (November 2008): 421-439.

William C. Yengst, et al., "[Nuclear Weapons that Went to War,](#)" draft final report DNA-TR-96 (Alexandria, VA: Defense Special Weapons Agency, October 1996).

3. NUCLEAR ENERGY BASICS, PART 1: FISSION, FUSION AND BOMB DESIGNS

REQUIRED READINGS

Henry Sokolski, [*Nuclear Energy Basics, Part 1: Fission, Fusion, and the Bomb*](#), Nonproliferation Policy Education Center. September 2020.

Sutherland Productions and General Electric, [A is for Atom, B is for Bomb](#) Daily Motion video, 14:44, from a film produced in 1953, posted by "Propaganda Hound," November 2, 2008.

RECOMMENDED READINGS

Histories of the First Bombs

Jim Baggott, [*The First War of Physics: The Secret History of the Atom Bomb, 1939-1949*](#) (New York: Pegasus Books, 2010).

Kai Bird and Martin J. Sherwin, [*American Prometheus: The Triumph and Tragedy of J. Robert Oppenheimer*](#), Vintage Books, May 1, 2006.

Thomas B. Cochran, Robert S. Norris, and Oleg A. Bukharin, [*Making the Russian Bomb: From Stalin to Yeltsin*](#) (Boulder, Colorado: Westview Press, 1995).

Albert Einstein, [Albert Einstein to President Franklin D. Roosevelt \(letter\)](#), August 2, 1939.

Jon Else, David Webb Peoples, and Janet Peoples, [*The Day after Trinity: J. Robert Oppenheimer and the Atomic Bomb*](#), directed by Jon H. Else (Pyramid Films, 1981), 1:28:57.

Graham Farmelo, [*Churchill's Bomb: How the United States Overtook Britain in the First Nuclear Arms Race*](#) (New York: Basic Books, 2013).

Kenneth W. Ford, [*Building the H Bomb: A Personal History*](#) (Hackensack, NJ: World Scientific Publishing Co., 2015).

O.R. Frisch and R. Peierls, [Memorandum on the Construction of a 'Super-bomb' based on a Nuclear Chain Reaction in Uranium](#), March 1940.

David Holloway, [*Stalin and the Bomb: The Soviet Union and Atomic Energy, 1939-1956*](#) (New Haven: Yale University Press, 1994).

John McPhee, [*The Curve of Binding Energy*](#) (Westminster, MD: Ballantine Books, 1975).

Richard Rhodes, [*Dark Sun: The Making of the Hydrogen Bomb*](#) (New York: Simon and Schuster, 1995).

Richard Rhodes, [*The Making of the Atomic Bomb*](#) (New York: Simon and Schuster, 1986).

Robert Serber, [*The Los Alamos Primer: The First Lectures on How to Build An Atomic Bomb*](#), (Berkeley: University of California Press, 1972), Sections 20-22.

Weapons Physics and Design

Matthew Bunn, "[How Nuclear Bombs Work: Part 1](#)" (presentation by Harvard Kennedy School Belfer Center for Science and International Affairs, September 10, 2013).

Matthew Bunn, "[How Nuclear Bombs Work: Part 2](#)" (presentation by Harvard Kennedy School Belfer Center for Science and International Affairs, September 10, 2013).

Thomas B. Cochran, "[Technological Issues Related to the Proliferation of Nuclear Weapons](#)" (paper presented at the Strategic Weapons Proliferation Teaching Seminar sponsored by the Institute on Global Conflict and Cooperation and the Nonproliferation Policy Education Center, University of California at San Diego, August 23, 1998).

Samuel Glasstone and Philip J. Dolan, [*The Effects of Nuclear Weapons*](#), United States Departments of Defense and Energy, 1977.

Goodwin, Bruce. "[Additive Manufacturing and Nuclear Security: Calibrating Rewards and Risks](#)." Lawrence Livermore National Laboratory. November 2019.

Goodwin, Bruce. "[Nuclear Weapons Technology 101 For Policy Wonks](#)," Lawrence Livermore National Laboratory. August 2021.

"[Nuclear Weapon Design](#)," *Wikipedia*, last updated April 30, 2021.

"[Nuclear Weapons Design](#)," Federation of American Scientists, last modified October 28, 1998.

"[Pit \(nuclear weapon\)](#)," *Wikipedia*, last updated January 30, 2015,

Frank Settle, "[Nuclear Chemistry and the Community](#)," accessed May 2, 2013,

Carey Sublette, "[Fission Weapon Designs](#)," Nuclear Weapons Frequently Asked Questions, February 20, 1999.

US and Russian Nuclear Weapons: A Cold War Catalog

Thomas B. Cochran, William M. Arkin, Robert S. Norris, and Jeffrey I. Sands, [*Nuclear Weapons Databook, Volume IV: Soviet Nuclear Weapons*](#) (Cambridge, Massachusetts: Ballinger Press, 1989).

Thomas B. Cochran, William M. Arkin, Milton M. Hoenig, and Robert S. Norris, [*Nuclear Weapons Databook, Volume III: U.S. Nuclear Warhead Facility Profiles*](#) (Cambridge, Massachusetts: Ballinger Press, 1987).

Robert S. Norris and Hans M. Kristensen, [Nuclear Notebook](#), Bulletin of the Atomic Scientists, December 2016.

Also see, [Nuclear Notebook](#), interactive edition.

4. NUCLEAR ENERGY BASICS, PART 2: REACTORS AND NUCLEAR FUEL MAKING

REQUIRED READINGS

- Victor Gilinsky, Harmon Hubbard, and Marvin Miller, [Fresh Examination of the Proliferation Dangers of Light Water Reactors](#), *Nonproliferation Policy Education Center*, October 22, 2004.
- Gregory Jones, [Introduction](#), *Reactor-Grade Plutonium and Nuclear Weapons: Exploding the Myths*, April 2018.
- Henry Sokolski, [Nuclear Energy Basics, Part 2: Reactors and Nuclear Fuel Making](#), *Nonproliferation Policy Education Center*, October 2020.

RECOMMENDED READINGS

Fuel Cycle Basics

- International Panel on Fissile Materials, [Fissile Material Stocks](#), 2020.
- [“Uranium Gas Centrifuges,”](#) YouTube video by Federation of American Scientists, 6:47, April 3, 2009.

Reactor Basics

- Charles D. Ferguson, [Nuclear Energy: What Everyone Needs to Know](#) (New York: Oxford University Press, 2011).
- Anthony Nero, [A Guidebook to Nuclear Reactors](#) (Berkeley: University of California Press, 1979).
- Walter C. Patterson, [Nuclear Power](#), 2nd ed. (Harmondsworth, UK: Penguin, 1983).

Advanced Reactors

- Adrien Cho, [“U.S. Department of Energy rushes to build advanced new nuclear reactors,”](#) *Science*, May 20, 2020.
- Joel Funk, [“We’ve been here before: Wyoming nuclear project echoes of past,”](#) WyoFile, July 30, 2021.
- Edwin Lyman, [“‘Advanced’ Isn’t Always Better: Assessing the Safety, Security, and Environmental Impacts of Non-Light-Water Nuclear Reactors,”](#) Union of Concerned Scientists, March 18, 2021.
- Henry Sokolski and Victor Gilinsky, [“Bill Gates’ Fast Nuclear Reactor: Will It Bomb?”](#) *The National Interest*, July 20, 2021.
- Henry Sokolski and Victor Gilinsky, [“Dangerous Decisions about Advanced Nuclear Reactors Could Lead to New Threats,”](#) *The National Interest*, May 2, 2021.

Office of Nuclear Energy, [Advanced Small Modular Reactors \(SMRs\)](#).

Office of Nuclear Energy, "[Nation's First Small Modular Reactor Plant to Power Nuclear Research at Idaho National Laboratory](#)," June 11, 2019.

World Nuclear Association, [Advanced Nuclear Power Reactors](#), February 2020.

World Nuclear Association, [Small Nuclear Power Reactors](#), February 2020.

Nuclear Accidents

Victor Gilinsky, "[When 10,000 Square Miles of Contamination Is an Acceptable Risk: The NRC's Faulty Concept](#)," Bulletin of Atomic Scientists, July 7, 2015.

Charles Perrow, [Normal Accidents: Living with High Risk Technologies - Updated Edition](#), Princeton University Press, October 17, 1999.

Henry Sokolski, "[Chernobyl: Accident by Design](#)," *NBC Defense and Technology International*1, no. 3, June 1986.

Military Potential of Civilian Nuclear Activities

D.E. Ferguson, "[Simple, Quick Processing Plant](#)," intra-laboratory correspondence to F.L. Culler, Oak Ridge National Laboratory, August 30, 1977.

Richard L. Garwin, "[Reactor-Grade Plutonium Can be Used to Make Powerful and Reliable Nuclear Weapons: Separated plutonium in the fuel cycle must be protected as if it were nuclear weapons](#)," (draft paper, August 26, 1998).

Victor Gilinsky, "[A Fresh Examination of the Proliferation Dangers of Light Water Reactors](#)," Nonproliferation Policy Education Center, October 22, 2004.

Frank von Hippel, "[Plutonium, Proliferation, and Radioactive-Waste Politics in East Asia](#)," in *The Next Arms Race*, ed. Henry Sokolski (Carlisle, PA: Strategic Studies Institute, 2012), 111-140.

Gregory Jones, "[A Short History of Reactor-Grade Plutonium and Why the Nuclear Industry Is Wrong to Downplay Its Dangers](#)," *Reactor-Grade Plutonium and Nuclear Weapons: Exploding the Myths*, April 2018.

R. Scott Kemp, "[Centrifuges: A New Era for Nuclear Proliferation](#)," in *Nuclear Nonproliferation: Moving Beyond Pretense*, ed. Henry Sokolski (Arlington, VA: Nonproliferation Policy Education Center, 2012), 53-82.

Amory B. Lovins, "[Nuclear Weapons and Power-Reactor Plutonium](#)" *Nature* 283 (February 28, 1980), 817-823.

J. Carson Mark, "[Reactor-Grade Plutonium's Explosive Properties](#)," in *NPT at the Crossroads* (Washington, DC: The Nuclear Control Institute, 1990).

Francis Slakey and Linda Cohen, "[NRC Should Perform Nonproliferation Assessment of Laser Enrichment Process](#)," American Physical Society Forum on Physics and Society, accessed May 2, 2014.

Henry Sokolski, ed., [China's Civil Nuclear Sector: Plowshares to Swords?](#) Nonproliferation Policy Education Center, March 24, 2021.

Arthur Steiner, "[Denaturing Through the Years](#)," AJS 10-6-75. **Password Protected PDF**

U.S. Department of Energy. [Plutonium: The First 50 Years](#). February 1996.

Albert Wohlstetter, et al., [Swords from Plowshares: The Military Potential of Civilian Nuclear Energy](#), (Chicago: University of Chicago Press, 1979), 33-46; 151-82.

5. INTERNATIONAL NUCLEAR CONTROLS, PART 1: THE ACHESON-LILIENTHAL REPORT, THE BARUCH PLAN, AND EISENHOWER'S ATOMS FOR PEACE

REQUIRED READINGS

[*A Report on the International Control of Atomic Energy*](#) (The Acheson-Lilienthal Report), a report prepared for the Secretary of State's Committee on Atomic Energy (Washington, DC: Government Printing Office, 1946).

Also see, U.S. Department of State, [*Press Release No. 235*](#) (April 9, 1946).

Henry Sokolski, "[The Acheson-Lilienthal Report and Baruch Plan Lecture Notes](#)," and "[Eisenhower's Atoms for Peace Lecture Notes](#)," *Nonproliferation Policy Education Center*. Updated October 2021.

Henry Sokolski, [*The Baruch Plan*](#), in *Best of Intentions: America's Campaign Against Strategic Weapons Proliferation* (Westport, CT: Praeger, 2001), 13-21. **Password Protected PDF**

RECOMMENDED READINGS

The Acheson-Lilienthal Report and the Baruch Plan

Kai Bird and Martin J. Sherwin, [*American Prometheus: The Triumph and Tragedy of J. Robert Oppenheimer*](#), Vintage Books, May 1, 2006.

Paul Boyer, [*By The Bomb's Early Light: American Thought and Culture at the Dawn of the Atomic Age*](#) (New York: Pantheon Books, 1985), 27-106. **Password Protected PDF**

["Declaration on Atomic Bomb by President Truman and Prime Ministers Attlee and King"](#) (Washington, November 15, 1945).

J. Franck, et al. "[The Franck Report](#)," reprinted in Alice Kimball Smith, *A Peril and a Hope* (Chicago: University of Chicago Press, 1965), 560-565. **Password Protected PDF**

Zay Jefferies, et al., "[Prospectus on Nucleonics \(The Jeffries Report\)](#)," reprinted in Alice Kimball Smith, *A Peril and a Hope* (Chicago: University of Chicago Press, 1965), 539-559. **Password Protected PDF**

Dexter Masters and Katherine Way, ed., [*One World or None*](#) (New York: McGraw-Hill, 1946). **Password Protected PDF**

National Committee on Atomic Information, "[One World or None](#)," filmed 1946, YouTube video, posted by FA Scientists, 9:12, posted August 5, 2013.

Alice Kimball Smith, *A Peril and a Hope: The Scientists' Movement in America, 1945-47* (Chicago: University of Chicago Press, 1965).

[Part 1 and 2](#): **Password Protected PDF**

[Part 3: Password Protected PDF](#)

[Part 4: Password Protected PDF](#)

Arthur Steiner, "[Denaturing Through the Years](#)," AJS 10-6-75.

Jacob Viner, "[The Implications of the Atomic Bomb for International Relations](#)," in *Symposium on Atomic Energy and its Implications: Papers read at the joint meeting of the American Philosophical Society and the National Academy of Sciences, November 16 and 17, 1945* (Philadelphia: American Philosophical Society, 1946). **Password Protected PDF**

Albert Wohlstetter, et al., "[On Keeping 'Dangerous' Activities in Check](#)," in *Swords from Plowshares: The Military Potential of Civilian Nuclear Energy* (Chicago: University of Chicago Press, 1979), 47-70. **Password Protected PDF**

Atoms for Peace

Leonard Beaton, [Must the Bomb Spread?](#) (London: Penguin Books, 1966).

Paul Boyer, [By The Bomb's Early Light: American Thought and Culture at the Dawn of the Atomic Age](#) (New York: Pantheon Books, 1985), 107-130. **Password Protected PDF**

Dwight D. Eisenhower, "[Atoms for Peace](#)," [address to the 470th Plenary Meeting of the United Nations General Assembly](#), New York, December 8, 1953.

Also see the Dwight D. Eisenhower Presidential Library and Museum, Atoms for Peace [online document collection](#).

A [short clip](#) of President Eisenhower's speech.

Matthew Fuhrmann, [Atomic Assistance: How "Atoms for Peace" Programs Cause Nuclear Insecurity](#) (Ithaca, NY: Cornell University Press, 2012).

Also see, Henry Sokolski, "[Atoms for Peace: Catalyzing Bombs for Cheats](#)," review of *Atomic Assistance: How "Atoms for Peace" Programs Cause Nuclear Insecurity* by Matthew Fuhrmann, *Nonproliferation Review* 20, no. 1 (2013): 179-184.

Matthew Fuhrmann, "[Spreading Temptation: Proliferation and Peaceful Nuclear Cooperation Agreements](#)," *International Security* 34, no. 1 (Summer 2009): 7-41.

J. Robert Oppenheimer, "[Atomic Weapons and American Policy](#)," *Foreign Affairs* 31, no. 4 (July 1953).

Joseph Pilat, ed., [Atoms for Peace: An Analysis after Thirty Years](#) (Boulder, CO: Westview Press, 1985).

"[Report by the Panel of Consultants of the Department of State to the Secretary of State](#)," Washington, January 1953, in *Foreign Relations of the United States, 1952-1954*, Vol. II, Part 2, National Security Affairs, Document 67.

Thomas Soapes, "[A Cold Warrior Seeks Peace: Eisenhower's Strategy for Nuclear Disarmament](#)," *Diplomatic History* 4, no. 1 (Winter 1979-1980): 57-72.

U.S. National Security Council, "[United States Objectives and Programs for National Security](#)," NSC 68, April 14, 1950.

U.S. National Security Council, "[Basic National Security Policy](#)," NSC 162/2, October 30, 1953.

Albert Wohlstetter, "[Spreading the Bomb without Quite Breaking the Rules](#)," *Foreign Policy* 25 (Winter 1976): 88-94.

6. INTERNATIONAL NUCLEAR CONTROLS, PART 2: THE INTERNATIONAL ATOMIC ENERGY AGENCY (IAEA) AND SAFEGUARDS, THE NUCLEAR NONPROLIFERATION TREATY (NPT) AND THE CURRENT THREE PILLARS VIEW

REQUIRED READINGS

[Treaty on the Nonproliferation of Nuclear Weapons](#)

Henry Sokolski, [Assessing the IAEA's Ability to Verify the NPT](#), in *Falling Behind: International Scrutiny of the Peaceful Atom*, ed. Henry Sokolski (Carlisle, PA: Strategic Studies Institute, 2008), 3-41.

Henry Sokolski, "[The Nuclear Nonproliferation Treaty \(NPT\) Lecture Notes](#)," *Nonproliferation Policy Education Center*. Updated October 2021.

Robert Zarate, [The three qualifications of Article IV's Inalienable Right](#), in *Reviewing the Nonproliferation Treaty (NPT)*, ed. Henry Sokolski (Carlisle, PA: Strategic Studies Institute, 2010), 219-230.

RECOMMENDED READINGS

International Atomic Energy Agency & Safeguards

Andrew Brown and Alexander Glaser, "[On the Origins and Significance of the Limit Demarcating Low-Enriched Uranium from Highly Enriched Uranium](#)," *Science and Global Security* 24, no. 2 (2016): 131-137.

Thomas Cochran, "[Adequacy of IAEA's Safeguards for Achieving Timely Detection](#)," in *Falling Behind: International Scrutiny of the Peaceful Atom*, ed. Henry Sokolski (Carlisle, PA: Strategic Studies Institute, 2008), 121-157.

Conference on the Statute of the International Atomic Energy Agency, "[The Statute of the International Atomic Energy Agency](#)," New York, October 23, 1956, as amended up to February 23, 1989.

James E. Doyle, "[Argentina and Brazil](#)," in *Nuclear Safeguards, Security, and Nonproliferation: Achieving Security with Technology and Policy*, ed. James E. Doyle (Burlington, MA: Butterworth-Heinemann, 2008), 307-329. **Password Protected PDF**

Charles Duelfer, [Comprehensive Report of the Special Advisor to the DCI on Iraq's WMD](#), U.S. Central Intelligence Agency, September 30, 2004.

Charles Duelfer, "[The Inevitable Failure of Inspections in Iraq](#)," *Arms Control Today* 32, no. 6 (September 2002).

- Mohamed ElBaradei, "[Nuclear Energy: The Need for a New Framework](#)," statement at the International Conference on Nuclear Fuel Supply: Challenges and Opportunities, Berlin, April 17, 2008.
- Mohamed ElBaradei, "[The Status of Nuclear Inspections in Iraq](#)," Statement to the United Nations Security Council, New York, January 27, 2003.
- Christopher A. Ford, "[Nuclear Technology Rights and Wrongs: The Nuclear Nonproliferation Treaty, Article IV, and Nonproliferation](#)," in *Reviewing the NPT*, ed. Henry Sokolski (Carlisle, PA: Strategic Studies Institute, 2010) 237-383.
- Pierre Goldschmidt, "[Dealing Preventively with NPT Withdrawal](#)," research paper commissioned by Nonproliferation Policy Education Center, January 23, 2020.
- Pierre Goldschmidt, "[Enforcing the Nuclear Nonproliferation Treaty and International Atomic Energy Agency Compliance](#)," in *Reviewing the NPT*, ed. Henry Sokolski (Carlisle, PA: Strategic Studies Institute, 2010), 423-441.
- Pierre Goldschmidt, "[Looking Beyond Iran and North Korea for Safeguarding the Foundations of Nuclear Nonproliferation](#)" (presentation for a conference by the Nonproliferation Policy Education Center on "Reassessing Nuclear Nonproliferation's Key Premises," London, November 3, 2011).
- Olli Heinonen, "[IAEA Inspections in Perspective](#)," Nonproliferation Policy Education Center Working Paper, May 21, 2012.
- International Atomic Energy Agency, "[The Agency's Safeguards System \(1965, as provisionally extended in 1966 and 1968\)](#)," INFCIRC/66/Rev. 2, Vienna, September 16, 1968.
- International Atomic Energy Agency, "[Model Protocol Additional to the Agreement\(s\) between State\(s\) and the International Atomic Energy Agency for the Application of Safeguards](#)," INFCIRC/540, Vienna, 1997.
- International Atomic Energy Agency, "[The Present Status of IAEA Safeguards on Nuclear Fuel Cycle Facilities](#)," IAEA Bulletin Vol. 22, No. 3/4. August 1980.
- International Atomic Energy Agency, "[The Structure and Content of Agreements between the Agency and States Required in Connection with the Treaty on the Non-Proliferation of Nuclear Weapons](#)," INFCIRC /153, Vienna, June 1972.
- Greg Jones, "[Can Bulk Nuclear Fuel Facilities Be Effectively Safeguarded?](#)," Nonproliferation Policy Education Center Commissioned Research Paper August 5, 2020.
- David Kay, "[Denial and Deception Practices of WMD Proliferators: Iraq and Beyond](#)," *Washington Quarterly* 18, no. 1 (Winter 1995). **Password Protected PDF**
- R. Scott Kemp, "[Centrifuges: A New Era for Nuclear Proliferation](#)," in *Moving Beyond Pretense*, ed. Henry Sokolski (Arlington, VA: Nonproliferation Policy Education Center, 2012), 53-82.

- John Kinney, "[IAEA Safeguards Implementation, Concepts and Practices](#)," presentation at World Nuclear University Summer Institute, August 2008.
- Sara Kutchesfahani and Marcie Lombardi, "[South Africa](#)," in *Nuclear Safeguards, Security, and Nonproliferation: Achieving Security with Technology and Policy*, ed. James E. Doyle (Burlington, MA: Butterworth-Heinemann, 2008), 289-306.
Password Protected PDF
- Edwin Lyman, "[Can Nuclear Fuel Production in Iran and Elsewhere be Safeguarded Against Diversion?](#)," in *Falling Behind: International Scrutiny of the Peaceful Atom*, ed. Henry Sokolski (Carlisle, PA: Strategic Studies Institute, 2008), 101-120.
- Nonproliferation Policy Education Center, "[International Nuclear Inspections: Can the IAEA Safeguard Civil Nuclear Energy from Being Diverted to Bomb-Making?](#)" (NPEC backgrounder No. 1, September 2008).
- Patrick Roberts, "[Can IAEA Safeguards Work if Nuclear Power Grows?](#)" (working paper, Nonproliferation Policy Education Center, June 14, 2012).
- Henry Sokolski, "[Unleashing the Nuclear Watchdog](#)," *The New Atlantis* 32 (Summer 2011).
- [Towards a New Consensus on Nuclear Technology, Volume I Summary Report](#), Pan Heuristics, report prepared for the U.S. Arms Control and Disarmament Agency, PH-78-04-832-33, July 6, 1979.
- U.S. Congress, Office of Technology Assessment, [Nuclear Safeguards and the International Atomic Energy Agency](#), OTA-ISS-615 (Washington, DC: U.S. Government Printing Office, June 1995).
- Susan Voss, "[Tracking Nuclear Proliferation within a Commercial Power Program](#)" (Working Paper No. 1301, Nonproliferation Policy Education Center, August 2012).

The Nonproliferation Treaty (NPT)

- [Always Never, the Quest for Safety, Control, and Survivability](#). YouTube video by the National Security Archive, December 23, 2014.
- Richard Cleary, "[Persuading Countries to Forgo Nuclear Fuel-Making: What History Suggests](#)," in *Nuclear Nonproliferation: Moving Beyond Pretense*, ed. Henry Sokolski (Arlington, VA: Nonproliferation Policy Education Center, 2012), 83-116.
- Christopher A. Ford, "[Nuclear Technology Rights and Wrongs: The Nuclear Nonproliferation Treaty, Article IV, and Nonproliferation](#)," in *Reviewing the NPT*, Henry Sokolski, ed. (Carlisle, PA: Strategic Studies Institute, 2010), 237-383.
- Victor Gilinsky and W. Hoehn, [Nonproliferation Treaty Safeguards and the Spread of Nuclear Technology](#), R-501 (Santa Monica, CA: Rand Corporation, May 1970).

- Jozef Goldblat, "[The Indian Nuclear Test and the NPT](#)," in *NPT: Paradoxes and Problems*, ed. Anne W. Marks (Washington, DC: The Arms Control Association, 1975), 31-41.
- Eldon V.C. Greenberg, "[Peaceful Nuclear Energy and the Nuclear Nonproliferation Treaty](#)," in *Reviewing the Nuclear Nonproliferation Treaty*, ed. Henry Sokolski (Carlisle, PA: Strategic Studies Institute, 2010), 105-129.
- David H. Joyner, [Interpreting the Nuclear Nonproliferation Treaty](#) (New York: Oxford University Press, 2011).
- Steven E. Miller, "[Nuclear Collisions: Discord, Reform & the Nuclear Nonproliferation Regime](#)" (Cambridge, MA: American Academy of Arts & Sciences, 2012).
- National Planning Association, [1970 Without Arms Control: Implications of Modern Weapons Technology](#) (report, NPA Special Project Committee on Security through Arms Control, Washington, DC, 1958).
- Joelien Pretorius and Tom Sauer, [Is it time to ditch the NPT?](#), in *Bulletin of the Atomic Scientists*, September 6, 2019.
- Mohamed I. Shaker, [The Nuclear Nonproliferation Treaty: Origin and Implementation, 1959-1979](#) (London: Oceana Publications, 1980), Vol. 1, 293-315. **Password Protected PDF**
- Henry Sokolski, "[The NPT's Untapped Potential to Prevent Nuclear Proliferation](#)," in *Reviewing the Nuclear Nonproliferation Treaty (NPT)*, ed. Henry Sokolski (Carlisle, PA: Strategic Studies Institute, 2010), 3-13.
- Henry Sokolski and Victor Gilinsky, "[Locking down the NPT](#)," *Bulletin of the Atomic Scientists*, June 17, 2009.
- [Telegram from the Department of State](#) to the Mission to the North Atlantic Treaty Organization and European Regional Organizations, Washington, November 21, 1961, in *Foreign Relations of the United States, 1961-1963*, Vol. VII, Arms Control and Disarmament, Document 97.
- Leonard Weiss, "[The Nuclear Nonproliferation Treaty: Strengths and Gaps](#)," in *Fighting Proliferation*, ed. Henry Sokolski, (Montgomery, AL: Air University Press, 1996), 31-55.
- Mason Willrich, "[Nuclear Power Development and Nuclear Weapon Proliferation](#)," in *NPT: Paradoxes and Problems*, ed. Anne W. Marks (Washington, DC: Arms Control Association, 1975), 55-73.

The Three Pillars View

[Agreed Framework](#) between the United States of America and The Democratic People's Republic of Korea, Geneva, October 21, 1994.

- Christopher A. Ford, "[Debating Disarmament: Interpreting Article VI of the Treaty on the Non-Proliferation of Nuclear Weapons](#)," *Nonproliferation Review* 14, No. 3 (November 2007).
- Victor Gilinsky, [Nuclear Blackmail: The 1994 U.S.-Democratic People's Republic of Korea Agreed Framework on North Korea's Nuclear Program](#) (Essays in Public Policy No. 76, Hoover Institution, Stanford University, 1997).
- Victor Gilinsky and Henry Sokolski, "[Serious Rules for Nuclear Power without Proliferation](#)" (Working Paper 1302, Nonproliferation Policy Education Center, February 2013).
- Pierre Goldschmidt, "[The Future of the NPT: Should It be Enhanced, Changed or Replaced?](#)" (paper presented at an International Seminar "Nuclear Disarmament and Nonproliferation – The Future of the NPT," Rio de Janeiro, October 29-30, 2009).
- Henry J. Hyde United States-India Peaceful Atomic Energy Cooperation Act of 2006, [P.L. No. 109-401](#) (2006).
- Gregory S. Jones, "[Facing the Reality of Iran as a De Facto Nuclear State](#)," in *Nuclear Nonproliferation: Moving Beyond Pretense* ed. Henry Sokolski (Arlington, VA: Nonproliferation Policy Education Center, 2012), 141-175.
- Paul K. Kerr and Mary Beth Nikitin, "[Nuclear Cooperation with Other Countries: A Primer](#)" (report RS22937, Congressional Research Service, June 19, 2012).
- John Kerry, "[Remarks at the 2015 Nuclear Nonproliferation Treaty Review Conference](#)," New York City, NY, April 27, 2015.
- Dean Rust, "[How We've Come to View the NPT: Three Pillars](#)," in *Nuclear Rules, Not Just Rights: The NPT Reexamined*, ed. Henry Sokolski (Arlington, VA: Nonproliferation Policy Education Center, 2017).
- David Simon, "[Article VI of the Non-Proliferation Treaty is a Pactum De Contrahendo and Has Serious Legal Obligations by Implication](#)," *University of Pennsylvania Journal of International Law & Policy* II (2004-2005).
- Henry Sokolski, "[The India Syndrome: U.S. Nuclear Nonproliferation Policy Melts Down](#)," *The Weekly Standard* 10, no. 43 (August 1, 2005).
- U.S. State Department, [Report Pursuant to Section 104 \(c\) of the Hyde Act Regarding Civil Nuclear Cooperation with India](#), submitted to Congress September 10, 2008.

7. NUCLEAR ARMS CONTROL

REQUIRED READINGS

Henry Sokolski, [What Missile-driven Competition with China Will Look Like](#), *American Purpose*, October 21, 2020.

[Space and Missile Wars: What Awaits](#), Nonproliferation Policy Education Center, April 2021, pgs. 1-6, 6-60, 127-187, 187-198.

Joseph Trevithick, [China May Acquire Conventionally Armed ICBMs: Pentagon Report](#), *The Warzone*, October 19, 2023.

RECOMMENDED READINGS

David Andre, "[Competitive Strategies: An Approach against Proliferation](#)," in Henry Sokolski, ed., *Fighting Proliferation: New Concerns for the Nineties* (Montgomery, AL: Air University Press, 1996).

[China Waging War in Space: An After-Action Report](#)," Henry Sokolski, ed., Nonproliferation Policy Education Center, August 2021.

Brian G. Chow and Henry Sokolski, [Growing U.S. Satellite Vulnerability: The Silent 'Apocalypse Next](#)," SpaceNews, August 22, 2018.

David A. Cooper, "[Globalizing Reagan's INF Treaty](#)," *The Nonproliferation Review* 20, no. 1, 2013, pp. 145-163. **Password protected PDF**

David A. Cooper, "[Long-Term Prospects for Nuclear Missile Controls](#)," in *Space and Missile Wars: What Awaits*, Nonproliferation Policy Education Center, April 2021.

Paul Vorbeck Lettow, [Ronald Reagan and His Quest to Abolish Nuclear Weapons](#) (New York: Random House, 2005).

John D. Maurer, "[Arms Control Among Rivals](#)," in *Space and Missile Wars: What Awaits*, Nonproliferation Policy Education Center, April 2021.

Alexander Savelyev, "[The Security Threats Nuclear-Capable Missiles Pose and How to Best Control Them](#)," Nonproliferation Policy Education Center, October 16, 2014.

Thomas Schelling and Morton H. Halperin, [Strategy and arms control](#) (New York: The Twentieth Century Fund, 1961).

Selected readings from Former President Trump's [Nuclear Posture Review and National Defense Strategy](#).

Henry Sokolski, [Mitchell Institute Nuclear Deterrence Forum: Henry Sokolski](#), recording of a lecture at the Mitchell Institute, October 23, 2020.

Marc Trachtenberg, "[The Past and Future of Arms Control](#)," Daedalus, 1991.

8. ENERGY ECONOMICS: NUCLEAR AND NONNUCLEAR

REQUIRED READINGS

- Kennedy Maize, "[Debate Continues: Can New Technology Save Nuclear Power?](#)" *Power Magazine*, January 1, 2019.
- John Rowe, "[Energy Policy: Above All, Do No Harm](#)" (transcript of a presentation at the American Enterprise Institute, March 8, 2011).
- Henry Sokolski, "[Energy Economics—Nuclear and Nonnuclear Lecture Notes](#)," *Nonproliferation Policy Education Center*. November 2022.
- Henry Sokolski, "[Reactors Large and Small: Three Hurdles](#)," a video lecture from Nonproliferation Policy Education Center. March 25, 2020.
- ["What is the cheapest way to cut carbon?"](#) *The Economist*, February 24, 2021.

RECOMMENDED READINGS

Nuclear Power's Economic Competitiveness

- Rami W. Bitar and Ali Ahmad, "[Solar vs Nuclear: Which is cheaper for water desalination?](#)" *AUB Policy Institute*, Policy Brief #2, February 2017.
- Peter Bradford, "[How to close the U.S. Nuclear Industry: Do Nothing](#)," *Bulletin of the Atomic Scientists* 69, no. 2 (March/April 2013): 12-21.
- Nick Butler, "[The Challenge for Nuclear is to Recover its Competitive Edge](#)," *Financial Times*, September 3, 2018.
- ["Cost and Performance Characteristics of New Generating Technologies, Annual Energy Outlook 2022](#)," U.S. Energy Information Administration, March 2022.
- Mark Diesendorf, "[Dispelling the Nuclear 'Baseload' Myth: Nothing Renewables Can't Do Better!](#)" *The Ecologist*, March 10, 2016.
- ["Economics of Nuclear Power](#)," World Nuclear Association, updated August 2022.
- Antony Froggatt & Mycle Schneider, "[World Nuclear Industry Status Report 2022](#)," October, 2022.
- Devin Hartman, "[Disciplined Policy Responses to Nuclear Retirements](#)," (R Street Policy Study No. 84, February 2017).
- Steve Kidd, "[Nuclear in China – Why the Slowdown?](#)" *Nuclear Engineering International*, August 10, 2017.
- Lazard, "[Levelized Cost of Energy Analysis 15.0](#)," October 2021.
- Amory B. Lovins, "[Does Nuclear Power Slow Or Speed Climate Change?](#)", *Forbes*, November 18, 2019.

Amory B. Lovins, "[Energy Strategy: The Road Not Taken?](#)" *Foreign Affairs* 55, no. 1 (October 1976).

John Mueller, "[Costs of the Proliferation Fixation,](#)" in *Atomic Obsession: Nuclear Alarmism from Hiroshima to Al Qaeda* (New York: Oxford University Press, 2010), 129-142. **Password Protected PDF**

[News, Articles and Reports on Small Modular Nuclear Reactors \(SMRs\)](#), Oregon Physicians for Social Responsibility, September 2020.

["Nuclear Costs in Context,"](#) Nuclear Energy Institute, October 2020.

["Nuclear Energy is Competitive in Independent Cost Analyses of New Generating Capacity,"](#) (fact sheet, Nuclear Energy Institute, September 2011).

Sonal Patel, "[How the Vogtle Nuclear Expansion's Costs Escalated,](#)" *Power*, September 24, 2018.

["Second thoughts on South Africa's pebble-bed reactor,"](#) *Nuclear Engineering International*, April 2, 2017.

Albert Wohlstetter, et al., "[Economic Aspects of Nuclear Proliferation,](#)" in *Swords from Plowshares: The Military Potential of Civilian Nuclear Energy* (Chicago: University of Chicago Press, 1979), 71-110.

["Unlocking Reductions in the Construction Costs of Nuclear: A Practical Guide for Stakeholders,"](#) Nuclear Energy Agency, Organisation for Economic Co-operation and Development, 2020.

U.S. Energy Information Administration, "[Levelized Cost and Levelized Avoided Cost of New Generation Resources in the Annual Energy Outlook 2022,](#)" March 2022.

Micro, Small, and Advanced Modular Reactors

Adrien Cho, "[U.S. Department of Energy rushes to build advanced new nuclear reactors,](#)" *Science*, May 20, 2020.

Joel Funk, "[We've been here before: Wyoming nuclear project echoes of past,](#)" WyoFile, July 30, 2021.

Edwin Lyman, "['Advanced' Isn't Always Better: Assessing the Safety, Security, and Environmental Impacts of Non-Light-Water Nuclear Reactors,](#)" Union of Concerned Scientists, March 18, 2021.

M.V. Ramana, "[The Forgotten History of Small Nuclear Reactors,](#)" *IEEE Spectrum*, April 27, 2015.

Brenda Shaffer and Alan Howard, "[The Hidden Dangers of a Carbon-Neutral Military,](#)" *Foreign Policy*, August 12, 2021.

[Small Nuclear Power Reactors](#), World Nuclear Association, updated May 2022.

Henry Sokolski and Bryan Clark, "[Military micro-reactors: Waging yesterday's wars while losing the future's](#)," *Defense News*, June 15, 2021.

Henry Sokolski and Victor Gilinsky, "[Bill Gates' Fast Nuclear Reactor: Will It Bomb?](#)" *The National Interest*, July 20, 2021.

Henry Sokolski and Victor Gilinsky, "[Dangerous Decisions about Advanced Nuclear Reactors Could Lead to New Threats](#)," *The National Interest*, May 2, 2021.

Henry Sokolski and Victor Gilinsky, "[Small military nuclear reactors: In need of global safeguards](#)," *Bulletin of the Atomic Scientists*, June 3, 2020.

[Study on the use of mobile nuclear power plants for ground operation](#), United States Army, October 26, 2018.

Office of Nuclear Energy, [Advanced Small Modular Reactors \(SMRs\)](#).

Office of Nuclear Energy, "[Nation's First Small Modular Reactor Plant to Power Nuclear Research at Idaho National Laboratory](#)," June 11, 2019.

World Nuclear Association, [Advanced Nuclear Power Reactors](#), February 2020.

World Nuclear Association, [Small Nuclear Power Reactors](#), February 2020.

Nuclear Power and Global Warming

A. Abdulla, M. J. Ford, M. G. Morgan, and D. G. Victor, "[A retrospective analysis of funding and focus in US advanced fission innovation](#)," *Environmental Research Letters* 12, 2017.

Fieveson, Hal, "[Nuclear Power, Nuclear Proliferation, and Global Warming](#)," *Physics and Society*, Vol. 32, No. 1, January 2003.

Steve Kidd, "[After COP-22—What is the Opportunity for Nuclear?](#)" *NEI Magazine*, February 10, 2016.

McKinsey & Company, "[Greenhouse gas abatement cost curves](#)," accessed October 6, 2022.

S. Pacala and R. Socolow, "[Stabilization Wedges: Solving the Climate Problem for the Next 50 Years with Current Technologies](#)" *Science* 103 (August 13, 2004): 968-972.

Peter Schwartz and Spencer Reiss, "[Nuclear Now: How Clean, Green Atomic Energy Can Stop Global Warming](#)," *Wired* 13, no. 2 (February 2005).

Sharon Squassoni, "[The Realities of Nuclear Expansion](#)" (testimony for U.S. House Select Committee on Energy Independence and Global Warming hearing, "Nuclear Power in a Warming World: Solution or Illusion?" Washington, DC, March 12, 2008).

U.S. Department of Energy, "[Revolution...Now: the Future Arrives for Five Clean Energy Technologies - 2015 Update](#)" (November 2015).

Nuclear Subsidies

- Peter A. Bradford, "[Wasting time: Subsidies, operating reactors, and melting ice.](#)" *Bulletin of the Atomic Scientists* 73, no. 1 (January 2017): 13-16.
- Anthony Froggatt and Simon Carroll, "[Third Party Insurance: The Nuclear Sector's 'Silent' Subsidy in Europe.](#)" in *Nuclear Power's Global Expansion: Weighing Its Costs and Risks*, ed. Henry Sokolski (Carlisle, PA: Strategic Studies Institute, 2010), 555-625.
- Victor Gilinsky, "[When 10,000 Square Miles of Contamination is an Acceptable Risk: The NRC's Faulty Concept.](#)" *Bulletin of the Atomic Scientists*, January 29, 2017.
- "[Insurance: Price-Anderson Act Provides Effective Liability Insurance at No Cost to the Public](#)" (fact sheet, Nuclear Energy Institute, September 2012).
- Doug Koplow, "[A Case Study of Subsidies to Calvert Cliffs.](#)" in *Nuclear Power's Global Expansion* ed. Henry Sokolski (Carlisle, PA: Strategic Studies Institute, 2010), 335-382.
- Doug Koplow, et al. "[Effect of subsidies and regulatory exemptions on 2020-2030 oil and gas production and profits in the United States.](#)" IOP Publishing. Environmental Research Letter 16. July 29, 2021.
- Doug Koplow, "[The Nuclear Solution? The Role of Subsidies and Market Distortions.](#)" NPEC Public Policy Retreat, March 4, 2017.
- John J. Laureto & Joshua M. Pearce, "[Nuclear Insurance Subsidies Cost from Post-Fukushima Accounting Based on Media Sources.](#)" *Sustainability*, December 12, 2016.
- "[Nuclear Liability Insurance \(Price-Anderson Act\).](#)" National Association of Insurance Commissioners, updated August 10, 2018.
- Public Citizen, "[Price-Anderson Act: The Billion Dollar Bailout for Nuclear Power Mishaps](#)" (fact sheet, September 2004).
- [Restoring America's Competitive Nuclear Energy Advantage](#), U.S. Department of Energy, 2020.
- Pamir Wang, "[Federal Loan Guarantees and their Moral Hazards.](#)" in *Pure Risk: Federal Clean Energy Loan Guarantees*, ed. Henry Sokolski (Arlington, VA: NPEC, 2012), 5-20.
- U.S. Nuclear Regulatory Commission, "[Fact Sheet on Nuclear Insurance and Disaster Relief Funds.](#)" March 29, 2012.

Uranium Enrichment

- Frank N. von Hippel and Sharon K. Weiner, "[No Rush to Enrich: Alternatives for Providing Uranium for U.S. National Security Needs](#)," Arms Control Association, July/August 2019.
- Steve Kidd, "[Uranium Enrichment – Why are Prices Now Much Lower and What is the Impact?](#)" Nuclear Engineering International, December 2016.
- Thomas Meade and Eileen Supko, "[Enrichment excess is here to stay](#)," *Nuclear Engineering International*, October 13, 2015.
- Hui Zhang, "[China's Uranium Enrichment and Plutonium Recycling 2020-2040: Current Practices and Projected Capacities](#)," Nuclear Policy Education Center, June 23, 2020.

Plutonium Recycling

- Matthew Bunn, Hui Zhang, and Li Kang, [The Cost of Reprocessing in China](#), (Managing the Atom Project, Belfer Center, January 2016).
- Matthew Bunn, Steve Fetter, John P. Holdren, & Bob van der Zwaan, "[The Economics of Reprocessing vs. Direct Disposal of Spent Nuclear Fuel](#)," Belfer Center for Science and International Affairs, December 2003.
- Shaun Burnie & Frank Barnaby, "[Nuclear Proliferation in Plain Sight: Japan's Plutonium Fuel Cycle- A Technical and Economic Failure But a Strategic Success](#)," *The Asia-Pacific Journal*, March 1, 2016.
- Jeremy Dillon, "[Sea change: Advanced reactors spur look at recycling waste](#)," *E&E News*, June 9, 2020.
- "[Estimation of Nuclear Fuel Cycle Cost](#)," Atomic Energy Commission Bureau, November 10, 2011.
- Gilinsky & Macfarlane, "[A Minority Opinion: Dissenting Statement](#)," Review of DOE's Nuclear Energy Research and Development Program, *National Academies Press*, 2008.
- Ed Lyman, "[Independent Report Confirms that Downblending and Geologic Disposal is Best Option for Plutonium](#)," *All Things Nuclear* (Blog), Union of Concerned Scientists, December 7, 2015.
- Masafumi Takubo & Frank von Hippel, "[Forty Years of Impasse: The United States, Japan, and the Plutonium Problem](#)," *Bulletin of the Atomic Scientists*, August 23, 2017.
- U.S. Department of Energy, [Global Nuclear Energy Partnership Strategic Plan](#), report GNEP-167312, Rev. 0, January 2007.
- [Webinar: Nuclear Power, Recycling and Advanced Reactors](#), United States Association for Energy Economics, July 22, 2020.

Natural Gas

Ali Ahmad, Patrick Clawson, Robin Mills, Geoffrey Styles, & Stephen Thomas, "[Saudi Arabia and Iran Energy Analyses](#)," Nonproliferation Policy Education Center, March 10, 2018.

[The Allam-Fetvedt Cycle](#), NET Power, updated 2020.

Adam Barth, Jamie Brick, Dumitru Dediu, and Humayun Tai, "[The future of natural gas in North America](#)," McKinsey & Company, January 6, 2020.

Anna Shiryayevskaya , Stephen Stapczynski , and Ann Koh, "[The Era of Cheap Natural Gas Ends as Prices Surge by 1,000%](#)," Bloomberg, August 5, 2021.

Nikos Tsafos, "[How Will Natural Gas Fare in the Energy Transition?](#)" Center for Strategic & International Studies, January 14, 2020.

Steve Weissman, "[Natural Gas as a Bridge Fuel: Measuring the Bridge](#)," (report, San Diego, CA: Center for Sustainable Energy, March 2016).

Grid Storage Batteries

Rob Day, "[Why Batteries May Not Be the Climate Change Savior We All Want Them To Be](#)," *Forbes*, August 31, 2018.

Oliver Gorden, "[Can flow batteries supercharge the energy transition?](#)" *Energy Monitor*, June 22, 2022.

[Grid energy storage](#)," Wikipedia, last modified August 2018.

Peter Fairley, "[The United Arab Emirates' Nuclear Power Gambit](#)," *IEEE Spectrum*, January 4, 2018.

Peter Maloney, "[An inside look at using energy storage to integrate renewable resources](#)," *Utility Drive*, September 18, 2017.

[Modernizing Minnesota's Grid: An Economic Analysis of Energy Storage Opportunities](#), Minnesota Energy Storage Strategy Workshop final report, July 11, 2017.

Julian Ryall, "[Power of choice: The future of hydrogen-powered cars in Japan](#)," *Japan Today*, May 5, 2018.

Mohammad Shahidehpour, "[There's more to a greener grid than turbines and transmission wires](#)," *The Hill*, August 31, 2021.

Julian Spector, "[So, What Exactly Is Long-Duration Energy Storage](#)," *Greentech Media*, October 26, 2020.

Andrea D. Steffen, "[New Iron-Air Battery For Grid-Scale Energy Storage Is 1/10th The Cost of Lithium](#)," *Intelligent Living*, August 3, 2021.

Cassandra Sweet, "[Beyond Batteries: Other Ways to Capture and Store Energy](#)," *The Wall Street Journal*, May 21, 2017.

[Utility-scale battery storage costs decreased nearly 70% between 2015 and 2018](#), U.S. Energy Information Administration, October 23, 2020.

Robert Walton, "[Energy storage poised to tackle grid challenges from rising EVs as mobile chargers bring new flexibility](#)," *Utility Dive*, May 18, 2020.

Distributed Non-nuclear Electrical Systems

Vahid Madani and Damir Novosel, "[Getting a Grip on the Grid](#)," *IEEE Spectrum*, December 1, 2005.

James Mandel Mark Dyson, "[Why We Still Need To Discuss Grid Defection](#)," *Rocky Mountain Institute*, March 2, 2017.

[Market Integration of Distributed Energy Resources](#), *International Renewable Energy Agency*, 2019.

Resilience of Electricity Supply

"[Index of U.S. Energy Security Risk](#)," *Global Energy Institute*, U.S. Chamber of Commerce, 2017.

Amy Myers Jaffe, "[The Electrification of Everything: What You Need to Know](#)," *The Wall Street Journal*, May 15, 2021.

Lawrence Makovich and James Richards, "[Ensuring Resilient and Efficient Electricity Generation](#)," *IHS Markit*, September 2017.

Alison Silverstein, "[The IHS Markit electric resiliency study – much less than meets the eye](#)," *Utility Drive*, December 6, 2017.

9. NUCLEAR TERRORISM

REQUIRED READINGS

- John Mueller, [Atomic Obsession: Nuclear Alarmism from Hiroshima to Al Qaeda](#) (New York: Oxford University Press, 2010), 181-198. **Password Protected PDF**
- Peter D. Zimmerman and Jeffrey G. Lewis, [The Bomb in the Backyard](#), *Foreign Policy*, October 10, 2006.

RECOMMENDED READINGS

Nuclear Weapons Worries

- Graham Allison, [Nuclear Terrorism: The Ultimate Preventable Catastrophe](#) (New York: Owl Books, 2004), 1-15.
- David Bartoshuk, John Diamond, and Peter Huessy, "[Nuclear Terrorism: Local Effects, Global Consequences](#)," (white paper, Saga Foundation, July 2008).
- Thomas B. Cochran and Matthew G. McKinzie, "[Detecting Nuclear Smuggling](#)," *Scientific American* 298, no. 4 (April 2008): 98-104. **Password Protected PDF**
- E. U. Condon, "[The New Technique of Private War](#)," in *One World or None*, ed. Dexter Masters and Katherine Way (Washington, DC: Federation of American Scientists, 2007), 107-115.
- CSIS Task Force on Global Organized Crime, [Wild Atom: Nuclear Terrorism](#) (Washington, DC: Center for Strategic and International Studies, 1998).
- James D. Fearon, "[Catastrophic Terrorism and Civil Liberties in the Short and Long Run](#)" (draft paper, Department of Political Science, Stanford University, October 9, 2003).
- Charles D. Ferguson, "[Assessing the Vulnerability of the Indian Civilian Nuclear Program](#)," in *Gauging U.S.-Indian Strategic Cooperation*, ed. Henry Sokolski (Carlisle, PA: Strategic Studies Institute, 2007), 131-185.
- Charles D. Ferguson and William C. Potter, "[Improvised Nuclear Devices and Nuclear Terrorism](#)" (Weapons of Mass Destruction Commission paper no. 2, 2004).
- Charles D. Ferguson and William C. Potter with Amy Sands, Leonard S. Spector, and Fred L. Wehling, [The Four Faces of Nuclear Terrorism](#) (Monterey, CA: Monterey Institute for International Studies, 2005).
- Russell Hardin, "Civil Liberties in the Era of Mass Terror," *Journal of Ethics* 8 (July 2004): 77-95.
- Bruce Hoffman and Jacob Ware, "[The Challenges of Effective Counterterrorism Intelligence in the 2020s](#)," *Lawfare*, June 21, 2020.

- Brian Jenkins, "[Nuclear Terrorism vs. Nuclear Terror](#)," Daily Motion video, 4:10, from a presentation to The Commonwealth Club of California, San Francisco, September 29, 2008, posted by "FORA TV," February 1, 2012,
- Brian M. Jenkins, "[The Potential for Nuclear Terrorism](#)" (RAND Paper Series P5876, text of a speech given at Arms Control Association Conference on Nuclear Arms Proliferation and Nuclear Terrorism, Washington, DC May 8, 1977).
- Brian M. Jenkins, [When Armies Divide: The Security of Nuclear Arsenals During Revolts, Coups, and Civil Wars](#) (printed by author, 2013).
- Brian M. Jenkins, [Will Terrorists Go Nuclear?](#) (Amherst, NY: Prometheus Books, 2008), 369-378.
- John Lauder, "[Nuclear Terrorism: The Sum of All Fears](#)," in *The Nuclear Terrorism Threat: How Real Is It?* Henry D. Sokolski ed. (Working Paper 1602, Nonproliferation Policy Education Center, September 2016): 8-13.
- Rolf Mowatt-Larssen and William Tobey, "[The Armageddon Test: To Prevent Nuclear Terrorism, Follow the Uranium](#)" (op-ed, Belfer Center for Science and International Affairs, Harvard University July 26, 2010).
- Rolf Mowatt-Larssen, [The Armageddon Test](#) (Belfer Center Discussion Paper #2009-09, The Belfer Center, Harvard Kennedy School, August 2009).
- Gabriele Rennie, "[Tracing the Steps in Nuclear Material Trafficking](#)," *Science and Technology Review*, Lawrence Livermore National Laboratory, (March 2005): 14-21.
- Stober, Dan. "[No Experience Necessary](#)." *Bulletin of the Atomic Scientists*. March/April 2003.
- Leonard Weiss, "[On Fear and Nuclear Terrorism](#)" *Bulletin of the Atomic Scientists* 71, No. 2 (March 2015): 75-87.
- Mason Willrich and Theodore B. Taylor, [Nuclear Theft: Risks and Safeguards](#) (Cambridge, MA: Ballinger Publishing, 1974).

Nuclear Power Plant Vulnerabilities

- Matthew Bunn and Scott Sagan, "[A Worst Practices Guide to Insider Threats: Lessons from Past Mistakes](#)," American Academy of Arts and Sciences, 2014.
- Declan Butler, "[Reactors, residents and risk](#)," *Nature*, April 21, 2011.
- Geert De Clercq, "[France's nuclear spent-fuel pools major security risk: Greenpeace](#)," *Reuters*, October 10, 2017.
- Committee on the Safety and Security of Commercial Spent Nuclear Fuel Storage, [Safety and Security of Commercial Spent Nuclear Fuel Storage: Public Report](#) (National Academies Press, 2006).

Joan Diamond, Peter Hayes, and David Von Hippel, "[Japan Scenarios: Vulnerability to Terrorism of Nuclear Spent Fuel Management](#)," Nautilus Institute, August 11, 2017.

Hambling, David. "[Dozens More Mystery Drone Incursions Over U.S. Nuclear Power Plants Revealed](#)." *Forbes*. September 7, 2020.

Shane Harris, "[Military-Style' Raid on California Power Station Spooks U.S.](#)," *Foreign Policy*, December 27, 2013.

"[Jet Threat: Nuclear Power Plants are More Vulnerable to 9/11 Style Attacks than Officials Think](#)," *The Sun*, January 18, 2018.

David Makovsky, "[The Silent Strike](#)," *The New Yorker*, September 17, 2012.

National Consortium for the Study of Terrorism and Responses to Terrorism, "[Nuclear Facility Attack Database](#)."

Michael Perry, "[Sydney nuclear reactor terror plot target-police](#)," *The Washington Post*, November 14, 2005.

Allisa J. Rubin and Milan Schreuer, "[Belgium Fears Nuclear Plants Are Vulnerable](#)," *The New York Times*, March 25, 2016.

Henry Sokolski, "[Dr. Strangelove's New Passion: Precision-Guided Mayhem](#)," recorded lecture at the University of Utah, March 25, 2021.

Henry Sokolski, "[Nuclear plants a big security risk](#)," *Taipei Times*, May 10, 2021.

U.S. Nuclear Regulatory Commission, "[Backgrounder on Force-on-Force Security Inspections](#)," July 12, 2016.

Wikipedia, "[Vulnerability of nuclear plants to attack](#)," last updated January 29, 2018.

10. NUCLEAR PROLIFERATION INTELLIGENCE

REQUIRED READINGS

- Victor Gilinsky, [*Sometimes We Don't Want to Know: Kissinger and Nixon Finesse Israel's Bomb*](#) (paper prepared for NPEC Stanford Seminar, Stanford University, August 4, 2011).
- Henry Sokolski, "[As the World Transitions to New Generation Warfare, Relying on Secrecy Is Less a Fix Than a Problem](#)," Nonproliferation Policy Education Center, 2021.
- Henry Sokolski, "[Fighting Proliferation with Intelligence](#)," in *Fighting Proliferation: New Concerns for the Nineties* ed. Henry Sokolski (Montgomery, AL: Air University Press, 1996), 277-298. **Password Protected PDF**
- Henry Sokolski, [Improving the Role of Intelligence in Counterproliferation Policymaking: Report of the "Speaking Truth to Nonproliferation Project,"](#) March 2019.

RECOMMENDED READINGS

Specific Cases

- Avner Cohen, [*The Worst Kept Secret: Israel's Bargain with the Bomb*](#) (New York, NY: Columbia University Press, 2010).
- Douglas Frantz and Catherine Collins, [*The Nuclear Jihadist: The True Story of the Man Who Sold the World's Most Dangerous Secrets...And How We Could Have Stopped Him*](#) (New York: Twelve, 2007).
- Victor Gilinsky and Roger J. Mattson, "[Revisiting the NUMEC Affair](#)," *Bulletin of the Atomic Scientists* 66, no. 2 (March/April 2010): 61-75.
- Alexander Lanoszka, "[Seoul in Isolation: Explaining South Korean Nuclear Behavior, 1968-1980](#)," in *Protection States Trust?: Major Power Patronage, Nuclear Behavior, and Alliance Dynamics*, a Ph.D. dissertation completed at Princeton University, 2010.
- Murrey Marder and Dan Oberdorfer, "[How West, Soviets Acted to Defuse S. African A-Test](#)," *The Washington Post*, August 28, 1977.
- ["Pakistan achieved nuclear capability 'within seven years' of India's first test in 1974: President Arif Alvi](#)," *The New Indian Express*, August 14, 2021.
- Henry Sokolski, "[Ten Regrets: America's Nonproliferation Efforts against Iran](#)," in Joachim Krause, editor, *Iran's Nuclear Program* (London, UK: Routledge, 2012).
- William Tobey, "[Cooperation in the Libya WMD Disarmament Case](#)," *Studies in Intelligence*, Vol. 61, No. 4, December 2017.

Leonard Weiss, "[The 1979 South Atlantic Flash: The Case for an Israeli Nuclear Test](#)" (working paper, Nonproliferation Policy Education Center, August 3, 2011).

Roberta Wohlstetter, "[The Buddha Smiles: U.S. Aide and the Indian Bomb \(1978\)](#)," in *Nuclear Heuristics*, ed. Robert Zarate and Henry Sokolski (Carlisle, PA: Strategic Studies Institute, 2009), 339-356.

Robert Zarate, "[The Non-Use and Abuse of Nuclear Proliferation Intelligence in the Cases of North Korea and Iran](#)" (NPEC working paper, April 8, 2013).

Broader Takes

Wyn Q. Bowen, Robert Dover, and Michael S. Goodman, "[Intelligence and Nuclear Proliferation: An Introduction to the Special Issue](#)," *Intelligence and National Security* 29, no. 3, 315-322, June 4, 2014.

Brown, Zachery T., "[What if Sherman Kent was wrong? Revisiting the intelligence debate of 1949](#)," *War on the Rocks*, October 1, 2020.

William Burr et al., "[Blast From the Past](#)," *Foreign Policy*, September 22, 2019.

Ashton B. Carter and L. Celeste Johnson, "[Beyond the Counterproliferation Initiative to a Revolution in Counterproliferation Affairs](#)," in *Twenty-First Century Weapons Proliferation*, ed. Henry Sokolski and James B. Ludes (London: Frank Cass Publishers, 2001), 64-71. **Password Protected PDF**

Catherine Collins and Douglas Frantz, [Fallout: The True Story of the CIA Secret War against Nuclear Trafficking](#) (New York: Simon and Shuster, 2011), ix-xiii. **Password Protected PDF**

Commission on the Intelligence Capabilities of the United States Regarding Weapons of Mass Destruction, [Report to the President of the United States](#), March 31, 2005.

Victor Gilinsky and Roger J. Mattson, "[Did Israel steal bomb-grade uranium from the United States?](#)" *Bulletin of the Atomic Scientists*, April 17, 2014.

Seymour M. Hersh, "[On the Nuclear Edge](#)," *The New Yorker*, March 29, 1993.

Robert Jervis, [Why Intelligence Fails: Lessons for the Iranian Revolution and the Iraq War](#) (Ithaca, NY: Cornell University Press, 2010).

Jeffrey Richelson, [Spying on the Bomb: American Nuclear Intelligence from Nazi Germany to Iran and North Korea](#) (New York: W.W. Norton & Company, 2007).

Joshua Rovner, [Fixing the Facts: National Security and the Politics of Intelligence](#) (Ithaca, NY: Cornell University Press, 2011).

U.S. Department of Defense, Office of Force Transformation, [The Implementation of Network-Centric Warfare](#) (Washington, DC: Office of the Secretary of Defense, January 5, 2005), 3-27.

U.S. Department of State. Secretary of State. [Follow-up to Nuclear Team Visit: Demarche to President Chiang](#), State 225046, *National Security Archive*, September 1978.

U.S. Department of State. Secretary of State. [The Taiwan Research Reactor](#), State 305274, *National Security Archive*, December 1977.

11. THINKING ABOUT THE NEXT ARMS RACE

REQUIRED READINGS

- Joseph Micallef, "[The Roots, Tactics and Consequences of New Generation Warfare](#)," Military.com, August 2, 2021.
- Henry Sokolski, "[Can Self-Government Survive the Next Convulsion?](#)," *American Purpose*, June 18, 2021.
- Henry Sokolski, "[Dr. Strangelove's New Passion: Precision-Guided Mayhem](#)," *American Purpose*, March 17, 2021.
- Henry Sokolski, "[Thinking about the Next Arms Race](#)," Nonproliferation Policy Education Center. Lecture notes, updated July 9, 2020.

RECOMMENDED READINGS

The Future of Conflict

- Francis Fukuyama, "[The End of History?](#)" *The National Interest*, Summer 1989.
- Francis Fukuyama, "[Huntington's Legacy](#)," *The American Interest*, August 27, 2018.
- Samuel Huntington, "[The Clash of Civilizations?](#)" *Foreign Affairs*, Summer 1993.
- Henry Sokolski, "[Hiroshima at 75: A Peek into Our Nuclear Future](#)," *The American Purpose*, August 5, 2020.
- Jim Thomas, "[A Blueprint for Rebuilding America's Military After the Coronavirus](#)," *The National Interest*, March 28, 2020.

North Africa and the Middle East

- Henri J. Barkey, "[Turkey's Perspectives on Nuclear Weapons and Disarmament](#)," in *Unblocking the Road to Zero: Turkey, Japan, and Brazil*, ed. Barry Blechman (Washington, DC: Stimson Center, May 2009), 67-81.
- Richard L. Russell, "[Off and Running: The Middle East Nuclear Arms Race](#)," *Joint Forces Quarterly* 58, (3rd quarter 2010): 94-99.
- Bruno Tertrais, "[Alternative Proliferation Futures for North Africa](#)," in *The Next Arms Race*, ed. Henry Sokolski (Carlisle, PA: Strategic Studies Institute, 2012), 205-238.

Asia

- Mansoor Ahmed, "[Addressing South Asia's Fissile Material Conundrum](#)," *Off Ramps Initiative*, The Stimson Center, February 20, 2018.

- Frank Von Hippel, "[Plutonium, Proliferation and Radioactive-Waste Politics](#)," in *The Next Arms Race*, ed. Henry Sokolski (Carlisle, PA: Strategic Studies Institute, 2012), 111-140.
- Commander Muhammad Azam Khan, "[India's Cold Start Is Too Hot](#)," *Proceedings of the U.S. Naval Institute* 137, no.3 (March 2011): 42-47.
- Jacob Kipp, "[Asian Drivers of Russian Nuclear Force Posture](#)," in *The Next Arms Race*, ed. Henry Sokolski (Carlisle, PA: Strategic Studies Institute, 2012), 45-81.
- Michael Mazza and Dan Blumenthal, "[China's Strategic Forces in the 21st Century: The People's Liberation Army's Changing Nuclear Doctrine and Force Structure](#)," in *The Next Arms Race*, ed. Henry Sokolski (Carlisle, PA: Strategic Studies Institute, 2012), 83-109.
- Henry Sokolski and Mike Mazza, "[China's Nuclear Arms Are a Riddle Wrapped in a Mystery](#)," *Foreign Policy*, March 13, 2020.
- Henry Sokolski, ed. [How Dark Might East Asia's Nuclear Future Be?](#) (Working Paper 1601, Nonproliferation Policy Education Center, September 2016).
- Henry Sokolski, "[Strategic Deterrence: Its Future if the Bomb Spreads](#)," video of lecture at the Mitchell Institute, October 22, 2020.

Latin America

- Hans Rühle, "[Nuclear Proliferation in Latin America: Is Brazil Developing the Bomb?](#)" *Spiegel Online International*, May 7, 2010.
- Paul D. Taylor, "[Why Does Brazil Need Nuclear Submarines?](#)" *Proceedings of the U.S. Naval Institute* 135, no. 6 (June 2009).

Future Military Strategies in a Proliferated World

- Richard K. Betts, "[The Lost Logic of Deterrence](#)," *Foreign Affairs* 92, no. 2 (March/April 2013).
- Therese Delpech, [Nuclear Deterrence in the 21st Century: Lessons from the Cold War for a New Era of Strategic Piracy](#) (monograph, RAND Corporation, Santa Monica, CA, 2012).
- Thomas Donnelly, "[Bad Options: Or How I Stopped Worrying and Learned to Live with Loose Nukes](#)," in *Pakistan's Nuclear Future: Worries Beyond War*, ed. Henry Sokolski (Carlisle, PA: Strategic Studies Institute, 2008), 347-368.
- Mark Gunzinger and Bryan Clark, [Maintaining the U.S. Military's Advantage in Precision Strike](#), Center for Strategic and Budgetary Assessments, 2015.
- Jeff Kueter, "[Missile Defense and Arms Control](#)," in *The Next Arms Race*, ed. Henry Sokolski (Carlisle, PA: Strategic Studies Institute, 2012), 425-475.

- Clark Murdock et al., "[Project Atom: A Competitive Strategies Approach to Defining U.S. Nuclear Strategy and Posture for 2025-2050](#)," CSIS Reports, Center for Strategic & International Studies, May 2015.
- R. Jeffrey Smith, "[Cautious Shift in Nuclear Arms](#)," *Center for Public Integrity*, June 20, 2013.
- R. Jeffrey Smith, "[Obama Administration Embraces Major Nuclear Weapons Cuts](#)," *Center for Public Integrity*, February 8, 2013.

Possible Arms Control and Nonproliferation Efforts

- David Andre, "[Competitive Strategies against Proliferation?](#)" in *Fighting Proliferation: New Concerns for the Nineties*, ed. Henry Sokolski (Maxwell Air Force Base, AL: Air University Press, 1996), 257-276.
- Brian Chow and Albert Wohlstetter, "[Arms Control that Could Work](#)," *Wall Street Journal*, July 17, 1985, in *Nuclear Heuristics: Selected Writings of Albert and Roberta Wohlstetter*, ed. Robert Zarate and Henry Sokolski (Carlisle, PA: Strategic Studies Institute, 2009), 501-505.
- Deep Cuts Commission, "[Preparing for Deep Cuts: Options for Enhancing Euro-Atlantic and International Security](#)," First Report of the Deep Cuts Commission (Hamburg: Institute for Peace Research and Security Policy, University of Hamburg, April 2014).
- Robert J. Einhorn, "[Controlling Fissile Materials and Ending Nuclear Testing](#)" (paper presented at the International Conference on Nuclear Disarmament, "Achieving the Vision of a World Free of Nuclear Weapons," Oslo, Norway, February 26-27, 2008).
- Harold A. Feiveson, Alexander Glaser, Zia Mian, and Frank N. von Hippel, [Unmaking the Bomb: A Fissile Material Approach to Nuclear Disarmament and Nonproliferation](#) (Cambridge, MA: MIT Press, 2014).
- Christopher A. Ford, "[Five Plus Three: How to Have a Meaningful and Helpful Fissile Material Cutoff Treaty](#)," *Arms Control Today* 39, no. 3 (March 2009).
- Victor Gilinsky and Henry Sokolski, "[Serious Rules for Nuclear Power without Proliferation](#)," in *Moving Beyond Pretense: Nuclear Power and Nonproliferation*, ed. Henry Sokolski (Carlisle, PA: Strategic Studies Institute, 2013), 457-499.
- Thomas W. Graham, "[Nuclear Weapons Stability or Anarchy in the 21st Century: China, India and Pakistan](#)," in *The Next Arms Race*, ed. Henry Sokolski (Carlisle, PA: Strategic Studies Institute, 2012), 261-308.
- Hans M. Kristensen, "[Will Trump Be Another Republican Nuclear Weapons Disarmer?](#)" *Federation of American Scientists*, Strategic Security (Blog), November 9, 2016.

George P. Schultz, William J. Perry, Henry Kissinger, and Sam Nunn, "[Towards a Nuclear-Free World](#)," *Wall Street Journal*, January 15, 2008.

Henry Sokolski, "[Controlling the Further Spread of Nuclear Weapons](#)" (working paper, Council on Foreign Relations, April 2010).

White House Press Office, "[Remarks by President Barack Obama](#)," Hradcany Square, Prague, Czech Republic, April 5, 2009.

Also see the video of President Obama's remarks and his [Berlin Speech](#) given June 19, 2013.

Albert Wohlstetter, "[Nuclear Triggers and Safety Catches, the 'FSU' and the 'FSRs'](#)" in *Nuclear Heuristics: Selected Writings of Albert and Roberta Wohlstetter*, ed. Robert Zarate and Henry Sokolski (Carlisle, PA: Strategic Studies Institute, 2009), 374-377.

Albert and Roberta Wohlstetter, "[On Arms Control: What We Should Look for in an Arms Agreement](#)," in *Nuclear Heuristics: Selected Writings of Albert and Roberta Wohlstetter*, ed. Robert Zarate and Henry Sokolski (Carlisle, PA: Strategic Studies Institute, 2009), 472-500.