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E X P E R I E N C E

- University of Maryland** *1988 - present*
PROFESSOR, SCHOOL OF PUBLIC POLICY, 2000–
AFFILIATE RESEARCH SCIENTIST, APPLIED RESEARCH LABORATORY FOR
INTELLIGENCE AND SECURITY, 2023–
ASSOCIATE PROVOST AND DEAN, THE GRADUATE SCHOOL, 2017–2023
ACTING EXECUTIVE DIRECTOR, CENTER FOR ADVANCED STUDY OF LANGUAGE, 2017–18
ASSOCIATE PROVOST FOR ACADEMIC AFFAIRS, 2013–17
DEAN, SCHOOL OF PUBLIC POLICY, 2005–09
ASSOCIATE DIRECTOR, JOINT GLOBAL CHANGE RESEARCH INSTITUTE, 2001–03
ASSOCIATE PROFESSOR, SCHOOL OF PUBLIC POLICY, 1992–2000
ASSISTANT PROFESSOR, SCHOOL OF PUBLIC POLICY, 1988–1992
- ETH Zurich** *2024*
SENIOR VISITING FELLOW, CENTER FOR SECURITY STUDIES
- King's College London** *2023*
VISITING PROFESSOR, DEPARTMENT OF WAR STUDIES
SENIOR VISITING FELLOW, CENTRE FOR SCIENCE AND SECURITY STUDIES
- Office of Science and Technology Policy, The White House** *2009-12, 2015-17*
PRINCIPAL ASSISTANT DIRECTOR FOR NATIONAL SECURITY AND
INTERNATIONAL AFFAIRS, 7/15-1/17
PRINCIPAL ASSISTANT DIRECTOR FOR ENVIRONMENT AND ENERGY, 5/11-8/12
ASSISTANT DIRECTOR AT-LARGE, 3/09-8/12
- Department of State** *1992, 2004*
AMERICAN INSTITUTE OF PHYSICS SCIENCE FELLOW, 2004
COUNCIL ON FOREIGN RELATIONS INTERNATIONAL AFFAIRS FELLOW, BUREAU
OF POLITICAL-MILITARY AFFAIRS, 1992
- Stanford University** *1996 - 1997*
VISITING SCIENCE FELLOW
CENTER FOR INTERNATIONAL SECURITY AND ARMS CONTROL
- Department of Defense** *1993 - 1994*
SPECIAL ASSISTANT TO THE ASSISTANT SECRETARY OF DEFENSE FOR
INTERNATIONAL SECURITY POLICY, ASH CARTER
- Harvard University** *1986 - 1988*
POSTDOCTORAL RESEARCH FELLOW
CENTER FOR SCIENCE AND INTERNATIONAL AFFAIRS
- Lawrence Livermore National Laboratory** *1985 - 1986*
POSTDOCTORAL RESEARCH FELLOW

S E R V I C E A N D O T H E R A F F I L I A T I O N S

National Academies of Science, Engineering, and Medicine

Committee on International Security and Arms Control, 1994–2006, 2014–2015, 2017–
Co-chair, Monitoring Nuclear Weapons and Nuclear Explosive Materials, 2000–2004
Member, Panel on Nonproliferation, 2007–2009; Future of Nuclear Weapons Policy
Roundtable on Global Science Diplomacy, 2020–
Intelligence Science and Technology Experts Group, 2017–
Committee on Assessing and Improving Strategies for Preventing, Countering, and Responding to
Weapons of Mass Destruction Terrorism: Nuclear Threats, 2022–2023
Committee on Enhancing U.S. Nuclear Forensics and Attribution Capabilities, 2019–2021
Committee on Ballistic Missile Defense in the Context of Strategic Stability, 2015
Committee on Geoeengineering Climate, 2013–2015
Committee on Conventional Prompt Global Strike Capability, 2007–2008
Committee on the Internationalization of the Civilian Nuclear Fuel Cycle, 2006–2008
Committee on the Effects of Nuclear Earth Penetrator Weapon and Other Weapons, 2004
Reviewer, Review of the Department of Energy's Inertial Confinement Fusion Program, 1997
Reviewer, Review of DOE's Nuclear Energy Research and Development Program, 2007

American Physical Society

Co-PI, "Informing and Activating the U.S. Physics Community in Nuclear Threat Reduction"
Member, Panel on Public Affairs, 2003–2005; 2020–2022
Member, Szilard/Burton Awards Committee: member 2005, 2021; chair 2006
Executive Committee (elected), Forum on Physics and Society, 1998–2001

American Association for the Advancement of Science

Member, AAAS-APS Study Group on Nuclear Forensics, 2007–2008
Member, Nuclear Weapons Complex Assessment Committee, 2006–2007

Board of Directors

Bulletin of the Atomic Scientists, Science and Security Board, 2018–
Union of Concerned Scientists, 2014–
Arms Control Association, 1998–2009, Treasurer, 2000–2009
RAND Graduate School Board of Governors, 2003–2005
Federation of American Scientists, 1996–2003; Vice Chairman, 2000–2003

Board of Editors

Science and Global Security, 1993–
Washington Quarterly, 1996–1998

Royal United Services (RUSI) senior associate fellow, 2023–

Council on Foreign Relations, term member, 1990–1995; member, 2007–

Deep Cuts Commission, member, 2013–2015; 2017–

Association of Professional Schools of International Affairs (APSIA)

President, 2008–2009; Vice President, 2007–2008

Advisory Committees

Intelligence Science Board, Director of National Intelligence, 2008–2009
Nuclear Energy Research Advisory Committee, U.S. Department of Energy, 2000–2007
Human Rights Watch, Arms Division Advisory Committee, 2002–2006

Consultant

Department of Energy and National Nuclear Security Administration, 2017–2018
Department of Homeland Security, 2004–2007
Arms Control and Disarmament Agency, 1994–1997
Office of Technology Assessment, 1992–1995
Idaho National Engineering Laboratory, 1986–1990

Visiting Scientist, Plasma Fusion Center, Massachusetts Institute of Technology, 1986–1988

 EDUCATION

- | | |
|---------------------------------------------------------------------------------------|-------------|
| University of California, Berkeley
MS AND PHD IN ENERGY AND RESOURCES | 1981 - 1985 |
| Massachusetts Institute of Technology
SB IN PHYSICS, <i>SUMMA CUM LAUDE</i> | 1978 - 1981 |
-

AWARDS AND FELLOWSHIPS

- Leo Szilard Lectureship Award, American Physical Society, 2021
- Hans Bethe “Science in the Public Service” Award, Federation of American Scientists, 2005
- American Institute of Physics State Department Science Fellowship, 2004
- Joseph A. Burton Forum Award, American Physical Society, 2000
- Fellow, American Physical Society, 1994
- Secretary of Defense Award for Outstanding Public Service, 1994
- International Affairs Fellow, Council on Foreign Relations, 1992–93
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PUBLICATIONS

Most available at stevefetter.net and <https://orcid.org/0000-0002-6589-2586>
*peer reviewed (n=47); 3677 citations; h=26; i10=50

123. Steve Fetter and Sébastien Philippe, “Distinction without a Difference: The UK Shift from Population to Leadership Nuclear Targeting” (submitted to ***Security Studies***).*
122. Steve Fetter and Jaganath Sankaran, “Emerging Technologies and Challenges to the Nuclear Balance” (submitted to ***Journal of Strategic Studies***).*
121. National Academies of Science, Engineering, and Medicine, ***Nuclear Terrorism: Assessment of U.S. Strategies to Prevent, Counter, and Respond to Weapons of Mass Destruction*** (Washington, DC: National Academies Press, 2024)*
<https://nap.nationalacademies.org/download/27215> [committee member]
120. Steve Fetter, Tim Thies, and Victor Mizin, “Hypersonic Glide Vehicles: Evaluating Inadvertent Escalation Risks” (Berlin: Deep Cuts Commission Issue Brief #17, May 2024), <https://deepcuts.org/publications/issue-briefs/issue-brief-inadvertent-escalation-risks-of-hypersonic-boost-glide-vehicles>
119. Charles L. Glaser, James M. Acton, and Steve Fetter, “The U.S. Nuclear Arsenal Can Deter Both China and Russia: Why America Doesn’t Need More Missiles,” ***Foreign Affairs*** (October 2023), <https://www.foreignaffairs.com/united-states/us-nuclear-arsenal-can-deter-both-china-and-russia>
118. Steve Fetter and Charles Glaser, “Legal, but Lethal: The Law of Armed Conflict and U.S. Nuclear Strategy,” ***Washington Quarterly***, Vol. 45, No. 1 (Spring 2022), pp. 25-37
<https://doi.org/10.1080/01636660X.2022.2054121>

117. APS Panel on Public Affairs, **Ballistic Missile Defense: Threats and Challenges** (Washington, DC: American Physical Society, January 2022),* <https://aps.org/policy/reports/popa-reports/upload/MissileDefense-Report-final.pdf> [committee member]
116. Jaganath Sankaran and Steve Fetter, "Defending America: A Sensible Approach to National Missile Defense Against North Korea," **International Security**, Vol. 46, No. 3 (Winter 2021/22), pp. 51-86,* <https://direct.mit.edu/isec/article/46/3/51/109672/Defending-the-United-States-Revisiting-National>
115. National Academies of Science, Engineering, and Medicine, **Restoring and Improving Nuclear Forensics for Attribution and Deterrence** (Washington, DC: National Academies Press, 2021),* <https://www.nap.edu/catalog/26167/restoring-and-improving-nuclear-forensics-to-support-attribution-and-deterrence> [committee member]
114. Steve Fetter, "Anticipating Our Technological Future," **Physics and Society**, Vol. 50, No 3 (July 2021), pp. 6-9, <https://engage.aps.org/fps/resources/newsletters/newsletter-archives>
113. Jaganath Sankaran and Steve Fetter, "Rexamining Homeland Missile Defense Against North Korea," **Washington Quarterly**, Vol 43, No. 3 (Fall 2020), pp. 47-62, <https://doi.org/10.1080/0163660X.2020.1813400>
112. Stewart Prager, Steve Fetter, Alex Glaser, Zia Mian and Sebastien Philippe, and Frank von Hippel, "The Increasing Peril of Nuclear Weapons: And How Physicists Can Help Reduce the Threat," **APS News**, Vol 29, No. 7 (July/August 2020), p. 8, <https://www.aps.org/publications/apsnews/202007/backpage.cfm>
111. Steve Fetter, "Introduction," in Luciano Maiani, Raymond Jeanloz, Micah Lowenthal, and Wolfgang Plastino eds., **International Cooperation for Enhancing Nuclear Safety, Security, Safeguards and Non-proliferation** (New York, NY: Springer), pp. 135-137.
110. Stewart Prager, Steve Fetter, Alex Glaser, Zia Mian and Frank von Hippel, "Physicists Mobilize to Reduce the Nuclear Threat. Again.," **Bulletin of the Atomic Scientists**, 24 January 2020, <https://thebulletin.org/2020/01/physicists-mobilize-to-reduce-the-nuclear-threat-again/>
109. Steve Fetter and Kingston Reif, "A Cheaper Nuclear Sponge," **War on the Rocks** (October 18, 2019), <https://warontherocks.com/2019/10/a-cheaper-nuclear-sponge/>
108. Jaganath Sankaran and Steve Fetter, "A Path to Reducing Iran's Missile Threat and Reconfiguring U.S. Missile Defenses," **Arms Control Today**, Vol. 48 (July/August 2018), pp. 6-11, <https://www.armscontrol.org/act/2018-07/features/path-reducing-irans-missile-threat-reconfiguring-us-missile-defenses>
107. Jaganath Sankaran and Steve Fetter, "The Iran Nuclear Deal Could Still Be Saved," **The Conversation** (May 2018), <https://theconversation.com/the-iran-nuclear-deal-could-still-be-saved-experts-say-96466>
106. Steve Fetter and Jon Wolfsthal, "No First Use and Credible Deterrence," **Journal for Peace and Nuclear Disarmament** (April 2018),* <https://doi.org/10.1080/25751654.2018.1454257>
105. Steve Fetter, Richard L. Garwin, and Frank von Hippel, "Nuclear-weapon Dangers and Policy Options," **Physics Today**, Vol. 71, No. 4 (April 2018), pp. 32-39, <https://physicstoday.scitation.org/doi/10.1063/PT.3.3896>

104. Lisbeth Gronlund, David Wright, and Steve Fetter, "How to Limit Presidential Authority to Order the Use of Nuclear Weapons," *Bulletin of the Atomic Scientists*, 23 January 2018, <https://thebulletin.org/how-limit-presidential-authority-order-use-nuclear-weapons11454>
103. Valentin Stanev and Steve Fetter, "Estimating the Amount of Weapon-usable Nuclear Material outside Government Control based on Reported Seizures," *Science & Global Security*, Vol. 25, No 3 (2017), pp. 124-141,* <https://doi.org/10.1080/08929882.2017.1394055>
102. Jonas Siegel, Elisabeth Gilmore, Nancy Gallagher, and Steve Fetter, "An Expert Elicitation of the Proliferation Resistance of Using Small Modular Reactors for the Expansion of Civilian Nuclear Systems," *Risk Analysis*, Vol. 38, No. 2 (February 2018), pp. 242-254,* <http://onlinelibrary.wiley.com/doi/10.1111/risa.12861/abstract>
101. Charles L. Glaser and Steve Fetter, "Should the United States Reject MAD? Damage Limitation and U.S. Nuclear Strategy toward China," *International Security*, Vol. 41, No. 1 (Summer 2016), pp. 49-98,* https://www.mitpressjournals.org/doi/pdf/10.1162/ISEC_a_00248; Charles L. Glaser and Steve Fetter, "Correspondence: The Limits of Damage Limitation," *International Security*, Vol. 42, No. 1 (Summer 2017), pp. 201-207, https://www.mitpressjournals.org/doi/pdf/10.1162/ISEC_c_00279
100. Steve Fetter and Erich Schneider, "The New York Times was wrong; Russian uranium deals don't threaten world supply security," *Bulletin of the Atomic Scientists* (May 2015), <http://thebulletin.org/new-york-times-was-wrong-russian-uranium-deals-dont-threaten-world-supply-security8329>
99. National Research Council, Committee on Geoengineering Climate, *Climate Intervention: Carbon Dioxide Removal and Reliable Sequestration* (Washington, DC: The National Academies Press, 2015),* <https://www.nap.edu/catalog/18805/climate-intervention-carbon-dioxide-removal-and-reliable-sequestration> [committee member]
98. National Research Council, Committee on Geoengineering Climate, *Climate Intervention: Reflecting Sunlight to Cool Earth* (Washington, DC: The National Academies Press, 2015),* <https://www.nap.edu/catalog/18988/climate-intervention-reflecting-sunlight-to-cool-earth> [committee member]
97. Deep Cuts Commission, "Strengthening Stability in Turbulent Times," April 2015, http://www.deepcuts.org/images/PDF/Second_Report_of_the_Deep_Cuts_Commission_English.pdf [commission member]
96. Gokul Iyer, Nathan Hultman, Steve Fetter, and Son H. Kim, "Implications of Small Modular Reactors for Climate Change Mitigation," *Energy Economics*, Vol. 45, pp. 144-154 (2014),* <https://www.sciencedirect.com/science/article/pii/S014098831400156X>
95. Deep Cuts Commission, "Preparing for Deep Cuts: Options for Enhancing Euro-Atlantic and International Security," April 2014, http://www.deepcuts.org/files/pdf/First_Report_of_the_Deep_Cuts_Commission_English.pdf [commission member]
94. Lisbeth Gronlund, Eryn MacDonald, Stephen Young, Philip E. Coyle III, and Steve Fetter, *Making Smart Security Choices: The Future of the U.S. Nuclear Weapons Complex* (Washington, DC: Union of Concerned Scientists, October 2013), 81 pgs, <http://www.ucsusa.org/sites/default/files/legacy/assets/documents/nwqs/nuclear-weapons-complex-report.pdf>
93. Steve Fetter, "Science in the White House," *Physics and Society*, Vol. 42, No. 3 (July 2013), <http://www.aps.org/units/fps/newsletters/201307/white-house.cfm>

92. Steve Fetter and Ivan Oelrich, "Verifying a Prohibition on Nuclear Weapons," in Barry Blechman and Alex Bollfrass, eds., ***Elements of a Nuclear Disarmament Treaty: Unblocking the Road to Zero*** (Washington, DC: Henry L. Stimson Center, 2010), pp. 27-56.
91. Steve Fetter, "How Long Will the World's Uranium Supplies Last?" ***Scientific American***, March 2009, <http://www.scientificamerican.com/article.cfm?id=how-long-will-global-uranium-deposits-last>
90. National Academy of Sciences and Russian Academy of Sciences, Joint Committees on the Internationalization of the Civilian Nuclear Fuel Cycle, ***Internationalization of the Nuclear Fuel Cycle: Goals, Strategies, and Challenges*** (Washington, DC: The National Academies Press, 2009),* http://www.nap.edu/catalog.php?record_id=12477 [committee member]
89. National Research Council, Committee on Conventional Prompt Global Strike Capability, ***U.S. Conventional Prompt Global Strike Capability: Issues for 2008 and Beyond*** (Washington, DC: The National Academies Press, 2007), 238 pgs,* http://www.nap.edu/catalog.php?record_id=12061 [committee member]
88. Joint Working Group of the American Physical Society and the American Association for the Advancement of Science, ***Nuclear Forensics: Role, State of the Art, Program Needs*** (Washington, DC: American Association for the Advancement of Science, 2007), 64 pgs, <http://cstsp.aaas.org/files/Complete.pdf> [working group member]
87. Bruce G. Blair, Thomas B. Cochran, Jonathan Dean, Steve Fetter, Richard L. Garwin, Kurt Gottfried, Lisbeth Gronlund, Henry Kelly, Hans M. Kristensen, Robert S. Norris, Ivan Oelrich, Christopher Paine, Frank N. von Hippel, David Wright, and Stephen Young, ***Toward True Security: Ten Steps the Next President Should Take to Transform U.S. Nuclear Weapons Policy*** (Washington, DC: Union of Concerned Scientists, February 2008), 31 pgs, <https://www.ucsusa.org/resources/toward-true-security>
86. Steve Fetter, "The Climate Change Imperative and the Future of Nuclear Energy," International Seminar on Nuclear War and Planetary Emergencies, 36th Session, pp. 37-41 (2007), https://www.worldscientific.com/doi/abs/10.1142/9789812709233_0008
85. Nuclear Weapons Complex Assessment Committee, ***The United States Nuclear Weapons Program: The Role of the Reliable Replacement Warhead*** (Washington, DC: American Association for the Advancement of Science, 2007), 34 pgs, <https://www.aaas.org/sites/default/files/AAAS-RRW-Report.pdf> [committee member]
84. Steve Fetter and Ben Rusek, "Monitoring Nuclear Weapons and Nuclear Explosive Materials," ***Physics and Society***, Vol. 35, No. 3 (July 2006), pp. 14-17.
83. Charles L. Glaser and Steve Fetter, "Counterforce Revisited: Assessing the Nuclear Posture Review's New Missions," ***International Security***, Vol. 30, No. 2 (Fall 2005), pp. 84-126.*
82. Steve Fetter and Frank N. von Hippel, "Is U.S. Reprocessing Worth the Risk?" ***Arms Control Today***, Vol. 35, No. 7 (September 2005), pp. 6-12; http://www.armscontrol.org/act/2005_09/Fetter-VonHippel.asp
81. Matthew Bunn, Steve Fetter, John P. Holdren and Bob van der Zwaan, "The Economics of Reprocessing vs. Direct Disposal of Spent Nuclear Fuel," ***Nuclear Technology***, Vol. 150, No. 3 (June 2005).*

80. Nuclear Energy Study Group, *Nuclear Power and Proliferation Resistance: Securing Benefits, Limiting Risks* (Washington, DC: American Physical Society, Panel on Public Affairs, May 2005), 35 pgs,* <https://www.aps.org/policy/reports/popa-reports/proliferation-resistance/index.cfm> [study group member]
79. Steve Fetter and Tim Gulden, *Decarbonizing the Global Energy System: Implications for Energy Technology and Security* (College Park, MD: Center for International and Security Studies at Maryland, April 2005), https://www.jstor.org/stable/resrep05004#metadata_info_tab_contents
78. National Academy of Sciences, *Effects of Nuclear Earth-Penetrator and Other Weapons* (Washington, DC: National Academy Press, 2005)* [committee member]; <https://www.aps.org/policy/reports/popa-reports/proliferation-resistance/index.cfm>
77. National Academy of Sciences, Committee on International Security and Arms Control, *Monitoring Nuclear Weapons and Nuclear Explosive Materials: An Assessment of Methods and Capabilities* (Washington, DC: National Academy Press, 2005)* 264 pgs, [co-chair]; <https://nap.nationalacademies.org/catalog/11265/monitoring-nuclear-weapons-and-nuclear-explosive-materials-an-assessment-of>
76. Steve Fetter and Charles L. Glaser, "Critiquing the NPR's New Nuclear Missions," in James J. Wirtz and Jeffrey A. Larsen, eds., *Nuclear Transformation: The New U.S. Nuclear Doctrine* (New York: Palgrave Macmillan, 2005), pp. 23-38.
75. Steve Fetter and Frank von Hippel, "Does the U.S. Need a New Plutonium-Pit Facility?" *Arms Control Today*, Vol. 34, No. 4 (May 2004), pp. 8-12.
74. Steve Fetter, "Space Solar Power: An Idea Whose Time Will Never Come?" *Physics and Society*, Vol. 33, No. 1 (January 2004).
73. Matthew Bunn, Steve Fetter, John P. Holdren, and Bob van der Zwaan, *The Economics of Reprocessing vs. Direct Disposal of Spent Fuel* (Cambridge, MA: Belfer Center for Science and International Affairs, Harvard University, December 2003), 128 pgs; presented at International Conference on Future Nuclear Systems, 29 August–3 September 1999, Jackson, Wyoming; also in Yih-yun Hsu and Wang Rui-Ping, eds., *Proceedings of the Workshop on Management and Disposal of Nuclear Waste*, Beijing, September 1999.
72. Steve Fetter, "U.S. Nuclear Posture: One Step Forward, Two Steps Back," *Physics and Society*, Vol. 32, No. 3 (July 2003), pp. 5-7.
71. Steve Fetter, "Stockpile Declarations," in Nicholas Zarimpas, ed., *Transparency in Nuclear Warheads and Nuclear Materials: Political and Technical Dimensions* (Oxford: Oxford University Press, 2003), pp. 129-142, <https://www.sipri.org/sites/default/files/files/books/SIPRI03Zarimpas/SIPRI03Zarimpas.pdf>
70. Charles L. Glaser and Steve Fetter, "National Missile Defense and the Future of U.S. Nuclear Weapons Policy," *International Security*, Vol. 26, No. 1 (Summer 2001), pp. 40–92;* see also Charles L. Glaser and Steve Fetter, "Correspondence: Limited National and Allied Missile Defense," *International Security*, Vol. 26, No. 4 (Spring 2002), pp. 196–201.

69. Bruce G. Blair, Thomas B. Cochran, Tom Z. Collina, Jonathan Dean, Steve Fetter, Richard L. Garwin, Kurt Gottfried, Lisbeth Gronlund, Henry Kelly, Matthew G. McKinzie, Robert S. Norris, Adam Segal, Robert Sherman, Frank N. von Hippel, David Wright, and Stephen Young, ***Toward True Security: A U.S. Nuclear Posture for the Next Decade*** (Washington, DC: Federation of American Scientists, Natural Resources Defense Council, Union of Concerned Scientists, June 2001), 33 pgs; <http://www.ucsusa.org/publications/NPRall.pdf>
68. Steve Fetter and Frank N. von Hippel, "DU Not a High Priority for Antinuclear Movement," ***Medicine and Global Survival***, Vol. 7, No. 1 (April 2001), pp. 46–47; <http://www.ippnw.org/MGS/V7N1PPNWDU.html>
67. Steve Fetter, "Energy 2050," ***Bulletin of the Atomic Scientists***, Vol. 56, No. 4 (July/August 2000), pp. 28–38; <http://www.bullatombsci.org/issues/2000/ja00/ja00fetter.html>
66. William C. Sailor, David Bodansky, Chaim Braun, Steve Fetter, and Bob van der Zwaan, "A Nuclear Solution to Climate Change?" ***Science***, Vol. 288 (19 May 2000), pp. 1177–1178; <http://www.sciencemag.org/cgi/content/full/288/5469/1177>
65. Steve Fetter and Jack Mendelsohn, "Alternatives to NMD," in ***White Paper on National Missile Defense*** (Washington, DC: Lawyers Alliance for World Security, Spring 2000), pp. 41–47; <http://www.qsinstitute.org/laws.pdf>
64. Andrew M. Sessler, John M. Cornwall, Bob Dietz, Steve Fetter, Sherman Frankel, Richard L. Garwin, Kurt Gottfried, Lisbeth Gronlund, George N. Lewis, Theodore A. Postol, and David C. Wright, ***Countermeasures: A Technical Evaluation of the Operational Effectiveness of the Planned US National Missile Defense System*** (Cambridge, MA: Union of Concerned Scientists, April 2000), 175 pgs; http://www.ucsusa.org/arms/CM_toc.html. See also Bob Dietz, Steve Fetter, Richard L. Garwin, Kurt Gottfried, Lisbeth Gronlund, George N. Lewis, Theodore A. Postol, Andrew M. Sessler, and David C. Wright, Response to Uzi Rubin's "Comments on the UCS Report on Countermeasures," <http://www.ucsusa.org/security/response.html>
63. Steve Fetter and Frank von Hippel, "The Hazard Posed by Depleted-uranium Munitions," ***Science and Global Security***, Vol. 8, No. 2 (1999), pp. 125–161;* <http://www.princeton.edu/~cees/arms/vonhippe.pdf>
62. Steve Fetter and Frank von Hippel, "After the Dust Settles," ***Bulletin of the Atomic Scientists***, Vol. 55, No. 6 (November/December 1999), pp. 42–45; <http://www.bullatombsci.org/issues/1999/nd99/nd99toc.html>
61. Steve Fetter, "The Future of Nuclear Arms Control," ***Physics and Society***, Vol. 28, No. 4 (October 1999), p. 8–10; <http://physics.wm.edu/~sher/oct99.html>
60. Steve Fetter, ***Climate Change and the Transformation of World Energy Supply*** (Stanford, CA: Center for International Security and Cooperation, 1999), 95 pgs; <http://www.stanford.edu/group/CISAC/test/pub/fetter.pdf>
59. Steve Fetter, "Preventing Climate Change: The Role of Nuclear Energy," in C.R. Hill, B. van der Zwaan, G. Ripka, and A.L. Mechelynck, eds., ***Nuclear Energy: Promise or Peril?*** (London: World Scientific Publishing Co., 1999), pp. 29–45; <http://www.worldscientific.com/books/engineering/4173.htm>
58. Steve Fetter, "A Comprehensive Transparency Regime for Warheads and Fissile Materials," ***Arms Control Today***, Vol. 29, No. 1 (January/February 1999), p. 3–7; <http://www.armscontrol.org/ACT/janfeb99/sff99.htm>

57. Steve Fetter, "Limiting the Role of Nuclear Weapons," in Harold Feiveson, ed., *The Nuclear Turning Point: A Blueprint for Deep Cuts and De-alerting of Nuclear Weapons* (Washington, DC: The Brookings Institution, 1999), pp. 29–45;* <http://www.brook.edu/press/books/nucturn.htm>
56. Steve Fetter, "Nuclear Strategy and Targeting Doctrine," in Harold Feiveson, ed., *The Nuclear Turning Point: A Blueprint for Deep Cuts and De-alerting of Nuclear Weapons* (Washington, DC: The Brookings Institution, 1999), pp. 47–59.*
55. Harold Feiveson and Steve Fetter, "Verifying Deep Reductions in Nuclear Forces," in Harold Feiveson, ed., *The Nuclear Turning Point: A Blueprint for Deep Cuts and De-alerting of Nuclear Weapons* (Washington, DC: The Brookings Institution, 1999), pp. 215–241.*
54. Steve Fetter, "Future Directions in Nuclear Arms Control and Verification," *INESAP Bulletin*, No. 15 (April 1998), pp. 50–54, <http://www.th-darmstadt.de/ze/ianus/inesap/no15.html>; also in Götz Neuneck, Jürgen Altmann, and Jürgen Scheffran, eds., *Nuklearwaffen—Neue Rüstungstechnologien—Verifikation von Abrüstung* (Bad Honnef, Germany: Deutsche Physikalische Gesellschaft, 1998), pp. 9–21.
53. Steve Fetter, "Climate Change and the Future of Nuclear Energy," in Carl E. Walter, ed., *The Enduring Nuclear Fuel Cycle* (Livermore, CA: Lawrence Livermore National Laboratory, 1998), pp. 32–46; <http://www.llnl.gov/tid/lof/documents/pdf/233752.pdf>
52. Steve Fetter, "Climate Change and the Transformation of World Energy Supply," SSRC–MacArthur Foundation Program on International Peace and Security Newsletter, Vol. 10 (February 1998), pp. 11–12.
51. Steve Fetter, "Verifying Nuclear Disarmament," in Joseph Rotblat, ed., *Nuclear Weapons: The Road to Zero* (Boulder, CO: Westview Press, 1998), pp. 71–100.
50. National Academy of Sciences, Committee on International Security and Arms Control, *The Future of U.S. Nuclear Weapons Policy* (Washington, DC: National Academy Press, 1997), 110 pgs;* <http://www.nap.edu/readingroom/books/fun> [committee member]
49. Steve Fetter, "Verifying Nuclear Disarmament" (Washington, DC: Henry L. Stimson Center, Occasional Paper No. 29, October 1996), 42 pgs; <http://www.stimson.org/pubs/zeronuke/fetter.pdf>; abridged version published in *INESAP Bulletin*, No. 13 (July 1997), pp. 41–43; <http://130.83.47.198/ze/ianus/inesap/no13.html>
48. Steve Fetter, "Nuclear Deterrence and the 1990 Indo-Pakistani Crisis," *International Security*, Vol. 21, No. 1 (Summer 1996), pp. 176–181.
47. Steve Fetter, "Overview of the Desirability and Feasibility of Ballistic Missile Defenses," chapter one in Joseph Cirincione and Frank von Hippel, eds., *The Last 15 Minutes: Ballistic Missile Defense in Perspective* (Washington, DC: Coalition to Reduce Nuclear Dangers, 1996), pp. 6–15; <http://www.clw.org/pub/clw/coalition/chapter1.htm>
46. Steve Fetter and Frank von Hippel, "A Step-by-step Approach to a Global Fissile Materials Cutoff," *Arms Control Today*, Vol. 25, No. 8 (October 1995), pp. 3–8. Translated and published in Russian by the Russian–American Press and Information Center.
45. Steve Fetter, "Strategic Defenses," in Michael J. Mazarr and Alexander T. Lennon, *Toward a Nuclear Peace* (New York: St. Martin's Press, 1994), pp. 69–86.

44. Steve Fetter, George N. Lewis, and Lisbeth Gronlund, "Why Were Scud Casualties So Low?" *Nature* (28 January 1993), pp. 293–296.* See also George N. Lewis, Steve Fetter, and Lisbeth Gronlund, "Casualties and Damage from Scud Attacks during the Gulf War," (Cambridge, MA: Massachusetts Institute of Technology, March 1993), 51 pgs.
43. Steve Fetter, "Nuclear Archaeology: Verifying Declarations of Fissile-material Production," *Science and Global Security*, Vol. 3, Nos. 3–4 (1993), pp. 237–261.*
42. Frank von Hippel and Steve Fetter, "Worse than Chernobyl?" *Arms Control Today*, Vol. 22, No. 7 (September 1992), p. 13.
41. Steve Fetter, "Reasons for Nuclear Testing," in *Towards a Comprehensive Test Ban Treaty* (Oslo: Royal Norwegian Ministry of Foreign Affairs, 1992), pp. 8–25.
40. Steve Fetter, "Control and Disposition of Nuclear-weapons Materials," presented at the International Symposium on Conversion of Nuclear Weapons for Peaceful Purposes," Rome, 15-17 June 1992.
39. Thomas B. Cochran and Steve Fetter, "Verifying the Authenticity of Nuclear Warheads without Revealing Sensitive Design Information," presented at Third International Workshop on Verified Storage and Destruction of Nuclear Warheads, Moscow, 16–20 Dec. 1991.
38. Steve Fetter, "The Effect on Nuclear Nonproliferation," in "Reversing the Arms Race: The Bush-Gorbachev Initiatives on Nuclear Weapons," CISSM Commentaries No. 4 (College Park, MD: Center for International Security Studies at Maryland, November 1991).
37. Steve Fetter, "Internal Dose Conversion Factors for 19 Target Organs and 9 Irradiation Times and External Dose-Rate Conversion Factors for 21 Target Organs for 144 Radionuclides" (Idaho Falls: EG&G, Inc., September 1991), 256 pgs.*
36. Steve Fetter, "Ballistic Missiles and Weapons of Mass Destruction: What Is the Threat? What Should be Done?" *International Security*, Vol. 16, No. 1 (Summer 1991), pp. 5–42;* reprinted in Sean M. Lynn-Jones and Steven E. Miller, eds., *America's Strategy in a Changing World* (Cambridge, MA: MIT Press, 1992), pp. 361–398; and in Robert J. Art and Kenneth N. Waltz, *The Use of Force: Military Power and International Politics* (Lanham, MD: University Press of America, 1992).
35. Steven J. Piet, Edward T. Cheng, Steve Fetter, and J. Stephen Herring, "Initial Integration of Accident Safety, Waste Management, Recycling, Effluent, and Maintenance Considerations for Low-activation Materials," *Fusion Technology*, Vol. 19, No. 1 (1991), pp. 146–161.*
34. Steve Fetter and Stanislav Rodionov, "Verifying START," in Francesco Calogero, Marvin L. Goldberger, and Sergei P. Kapitza, eds., *Verification: Monitoring Disarmament* (Boulder: Westview Press, 1991), pp. 95–121; also published in Russian (Moscow: Mir, 1991); abridged version appeared in *Public Agenda* (Fall/Winter, 1989), pp. 1–19.
33. Steve Fetter, E.T. Cheng, and F.M. Mann, "Long-term Radioactive Waste from Fusion Reactors: Part II," *Fusion Engineering and Design*, Vol. 13 (1990), pp. 239–246.*
32. Steve Fetter and Frank von Hippel, "The Hazard from Plutonium Dispersal by Nuclear-warhead Accidents," *Science and Global Security*, Vol. 2, No. 1 (1990), pp. 21–41.*

30. Steve Fetter, "Estimating Plutonium Production from Long-lived Radionuclides in Permanent Structural Components of Production Reactor Cores," in Frank von Hippel and Roald Z. Sagdeev, eds., ***Reversing the Arms Race: How to Achieve and Verify Deep Reductions in the Nuclear Arsenals*** (New York: Gordon and Breach, 1990), pp. 83–90.
29. Steve Fetter and Thomas Garwin, "Tags," in Richard Kokoski and Sergey Koulik, eds., ***Verification of Conventional Arms Control in Europe: Technological Constraints and Opportunities*** (Boulder, CO: Westview Press, 1990), pp. 139–154.
28. Steve Fetter, "A Ballistic Missile Primer" (unpublished, 1990).
27. Steve Fetter, "Israeli Ballistic Missile Capabilities," ***Physics and Society***, Vol. 19, No. 3 (July 1990), pp. 3–4.
26. Steve Fetter, Thomas B. Cochran, Lee Grodzins, Harvey Lynch, and Martin S. Zucker, "Gamma-ray Measurements of a Soviet Cruise-Missile Warhead," ***Science***, Vol. 248 (18 May 1990), pp. 828-834.* Reprinted in Frank von Hippel and Roald Z. Sagdeev, eds., ***Reversing the Arms Race: How to Achieve and Verify Deep Reductions in the Nuclear Arsenals*** (New York: Gordon and Breach, 1990), pp. 379–398.
25. Steve Fetter, Valery A. Frolov, Marvin Miller, Robert Mozely, Oleg F. Prilutskii, Stanislav N. Rodionov, and Roald Z. Sagdeev, "Detecting Nuclear Warheads," ***Science and Global Security***, Vol. 1, No. 3–4 (1990), pp. 225–253.*
24. Steve Fetter, Valery A. Frolov, Oleg F. Prilutskii, Stanislav N. Rodionov, and Roald Z. Sagdeev, "Fissile Materials and Weapon Design," ***Science and Global Security***, Vol. 1, No. 3–4 (1990), pp. 255–263.*
23. Steve Fetter and Robert Mozely, "Emission and Absorption of Radiation," ***Science and Global Security***, Vol. 1, No. 3–4 (1990), pp. 265–285.*
22. Steve Fetter and Frank von Hippel, "U.S. and Soviet Reports from a Cooperative Verification Experiment," ***Science and Global Security***, Vol. 1, No. 3–4 (1990), pp. 323–327.*
21. Steve Fetter, Oleg F. Prilutskii, and Stanislav N. Rodionov, "Detecting Nuclear Warheads," in J. Altmann and J. Rotblat, eds., ***Verification of Arms Reductions: Nuclear, Conventional and Chemical*** (Berlin: Springer-Verlag, 1989), pp. 48–59.
20. Steve Fetter, Valery A. Frolov, Marvin Miller, Robert Mozely, Oleg F. Prilutskii, Stanislav N. Rodionov, and Roald Z. Sagdeev, "Detecting Nuclear Warheads," in Frank von Hippel and Roald Z. Sagdeev, eds., ***Reversing the Arms Race: How to Achieve and Verify Deep Reductions in the Nuclear Arsenals*** (New York: Gordon and Breach, 1990), pp. 265–325.
19. Steve Fetter, "The Effects of Nuclear Detonations and Nuclear War," in Graham T. Allison Jr., Robert D. Blackwill, Albert Carnesale, Joseph S. Nye Jr., and Robert P. Beschel Jr., eds., ***A Primer for the Nuclear Age***, Occasional Paper No. 6 (Cambridge, MA: Center for Science and International Affairs, Harvard University, 1990), pp. 23–30.
18. T. Parish; B. Shofolu; R. Carrera; N. Hertel; R. Charbeneau; D. Klein; S. Fetter "Preliminary analysis of radiological hazards for the IGNITEX fusion ignition experiment," EEE Thirteenth Symposium on Fusion Engineering, 1989, pp. 724-727 vol.1, <https://ieeexplore.ieee.org/document/102321>

17. Steve Fetter and Thomas Garwin, "Using Tags to Monitor Numerical Limits in Arms Control Agreements," in Barry M. Blechman, ed., ***Technology and the Limitation of International Conflict*** (Washington, DC: The Johns Hopkins Foreign Policy Institute, 1989), pp. 33–54.
16. J.S. Herring and Steve Fetter, "Radioactive Waste Management Criteria in Fusion Reactor Materials Selection," ***Journal of Nuclear Materials***, Vol. 155 (1988), pp. 597–601.*
15. Steve Fetter, ***Toward a Comprehensive Test Ban*** (Cambridge, MA: Ballinger Publishing Company, 1988), 206 pgs.*
14. Steve Fetter, E.T. Cheng, and F.M. Mann, "Long-term Radioactivity in Fusion Reactors," ***Fusion Engineering and Design***, Vol. 2, No. 6 (April 1988), pp. 1–8.*
13. Steve Fetter, "Protecting Our Military Space Systems," in Edmund S. Muskie, ed., ***The U.S. in Space: Issues and Policy Choices for a New Era***, (Washington, DC: Center for National Policy Press, 1988), pp. 1–25.
12. Steve Fetter, "Internal Dose Conversion Factors for 19 Target Organs and 9 Irradiation Times and External Dose-Rate Conversion Factors for 21 Target Organs for 259 Radionuclides Produced in Potential Fusion Reactor Materials," EGG-FSP-8036 (Idaho Falls: EG&G, Inc., 1988), 406 pgs.*
11. John P. Holdren, et al., "Exploring the Competitive Potential of Magnetic Fusion Energy: The Interaction of Economics with Safety and Environmental Characteristics," ***Fusion Technology***, Vol. 13, No. 1 (January 1988), pp. 7–56.* (Environmental and safety calculations done by Steve Fetter.)
10. Steve Fetter, "Stockpile Confidence Under a Nuclear Test Ban," ***International Security***, Vol. 12, No. 3 (Winter 1987/88), pp. 132–167;* Steve Fetter, "An Exchange on Stockpile Confidence," ***International Security***, Vol. 13, No. 1 (Summer 1988), pp. 210–215.
9. Steve Fetter, "Would a Test Ban Strengthen SDI?" ***Bulletin of the Atomic Scientists***, Vol. 43, No. 9 (November 1987), pp. 40–41.
8. Steve Fetter, "The Radiological Hazards of Magnetic Fusion Reactors," ***Fusion Technology***, Vol. 11, No. 2 (March 1987), pp. 400–415.*
7. Steve Fetter, "The Use of Tags in Monitoring Limits on Mobile Missiles," UCID- 21034 (Livermore, CA: Lawrence Livermore Laboratory, March 1987).
6. Steve Fetter and Michael M. May, "Protecting U.S. Space Assets from Anti-satellite Weapons," ***Annals of the New York Academy of Sciences***, Vol. 489 (1986), pp. 18–37.
5. Steve Fetter, "A Calculational Methodology for Comparing the Accident, Occupational, and Waste-Disposal Hazards of Fusion Reactor Designs," ***Fusion Technology***, Vol. 8 (July 1985), pp. 1359–1366.*
4. John P. Holdren and Steve Fetter, "Contribution of Activation Products to Fusion Accident Risk: Part II. Effects of Alternative Materials and Designs," ***Nuclear Technology/Fusion***, Vol. 4, No. 3 (November 1983), pp. 599–619.*
3. Steve Fetter, "Maximum Permissible Concentrations of Radionuclides Important in Fusion Reactor Materials," ERG-82-2 (Berkeley: University of California, May 1982).

2. Steve Fetter, "The Vulnerability of Nuclear Reactors to Attack by Nuclear Weapons," PSTIS Report #7 (Cambridge: Massachusetts Institute of Technology, April 1982).
1. Steve Fetter and Kosta Tshipis, "Catastrophic Releases of Radioactivity," **Scientific American**, Vol. 244, No. 4 (April 1981), pp. 41–47.

I N V I T E D L E C T U R E S A N D P R E S E N T A T I O N S
(n = 217)

- "Emerging Technologies and Strategic Stability," Research Seminar, United Nations Institute for Disarmament Research, Geneva, 5/27/24.
- Moderator, "Verification of International Controls on Nuclear Weapons"; discussant, "Science and Technology Challenges of Verification," ETH Zurich, 5/7/24.
- "Challenges to the Global Nuclear Order," Department of Peace and Conflict Studies, Uppsala University, 3/26/24.
- "Reducing the Risks of Nuclear Weapons," Physics Department, Uppsala University, 3/26/24.
- "Trilateral Deterrence and Nuclear Arms Control," German Pugwash, Berlin, 3/22/24.
- "The Three-body Problem in Nuclear Deterrence," German Physical Society, Berlin, 3/21/24.
- "Nuclear Dynamics of Russia's War on Ukraine: Implications for European Security," Reflections on European security post-Russian aggression, Centre for International and Comparative Studies, University of Zurich, and ETH Zurich, 3/8/24.
- "Reducing the Risks of Nuclear Weapons," Zurich Physics Colloquium, ETH Zurich, 3/6/24.
- "Reducing the Risks of Nuclear Weapons," Experimental Particle and Astro-Particle Physics Seminar, University of Zurich, 2/26/24.
- "Emerging Technology and Strategic Stability," Center for Security Studies, ETH Zurich, 2/6/24.
- "Emerging Technology and Strategic Stability," Center for International and Security Studies at Maryland, University of Maryland, 2/1/24.
- "Reducing the Risks of Nuclear Weapons," Physics Department Colloquium, King's College London, 12/6/23.
- "Nuclear Weapons and New Tech: Identifying New Challenges to Nuclear Command, Control, and Communications," European Leadership Network, 11/28-29/23.
- "Irreversibility in the Nuclear Disarmament Context," Accademia Nazionale dei Lincei, Rome, 11/19-21/23
- "Nuclear Weapons: A Technical Overview," The Increasing Danger of Nuclear Weapons: How Physicists Can Help Reduce the Threat, International Centre for Theoretical Physics, Trieste, Italy, 10/23/23.
- "Challenges to the Global Nuclear Order," British Pugwash and Center for Science and Security Studies, King's College London, 10/18/23, <https://www.youtube.com/watch?v=pmH83max3ss>
- "A Fresh Look at the Nuclear Renaissance: Advanced and Small Reactors," India-US Cooperation on Global Security: Strategic Security Threats of 21st Century, National Institute of Advanced Studies, Bengaluru, 9/27/23.
- "Challenges to the Global Nuclear Order," UK Project on Nuclear Issues Annual Conference, Royal United Services Institute, London, 9/12/23.
- "Nuclear Weapons and the Risk of Nuclear War," Fall Meeting of the Division of Nuclear Physics, American Physical Society, New Orleans, 10/26/22.
- "Reducing Nuclear Weapons and the Risk of Nuclear War," Physics Colloquium, Bowdoin College, 4/16/22.
- "Reducing Nuclear Weapons and the Risk of Nuclear War," Physics Colloquium, University of Texas, Austin, 3/30/22.
- "Reducing Nuclear Weapons and the Risk of Nuclear War," Physics Colloquium, Bates College, 3/9/22.

- “Reducing Nuclear Weapons and the Risk of Nuclear War,” Physics Colloquium, George Washington University, 2/10/22.
- “Reducing Nuclear Weapons and the Risk of Nuclear War,” Physics Colloquium, Tulane University, 11/29/21.
- “Reducing Nuclear Weapons and the Risk of Nuclear War,” Physics Division Colloquium, Argonne National Laboratory, 11/17/21.
- “What Can Physicists Do To Improve International Security?” Max von Laue lecture, German Physical Society, 9/30/21, <https://www.youtube.com/watch?v=HsWc2PtUcyg>
- “Causes and Consequences of Arms Races,” American Physical Society webinar, 9/13/21, https://www.youtube.com/watch?v=d54Yi5_AJEY
- “Science in the White House,” George Washington Boot Camp on Nuclear Security, 6/14/21.
- “Smarter Options on U.S. Nuclear Modernization,” Arms Control Association, 5/17/21, <https://www.armscontrol.org/events/2021-05/smarter-options-us-nuclear-modernization>
- “Leo Szilard Lectureship Award: Reducing Nuclear Weapons and the Risk of Nuclear War,” American Physical Society April Meeting, 4/20/21.
- “Reducing Nuclear Weapons and the Risk of Nuclear War,” Physics Colloquium, Virginia Commonwealth University, 2/19/21.
- “Eliminating the Option of Launch Under Attack,” Physicist Coalition for Nuclear Threat Reduction, American Physical Society, 1/29/21, <https://www.youtube.com/watch?v=Dn3fBzulEII&t=2s>
- “Reducing Nuclear Weapons and the Risk of Nuclear War,” Physics and Astronomy Colloquium, University of Minnesota, 1/28/21.
- “Reducing Nuclear Weapons and the Risk of Nuclear War,” Physics and Astronomy Colloquium, University of Nebraska, 1/21/21.
- “Reducing Nuclear Weapons and the Risk of Nuclear War,” Physics Colloquium, Case Western Reserve University, 11/19/20, <https://www.youtube.com/watch?v=kTBK2vbLTYc&list=PLvmDJY9XEzHCxmPBayOREmP0I3WbDh11t&index=11&t=202s>
- “Reducing Nuclear Weapons and the Risk of Nuclear War,” Physics Colloquium, Michigan Technological University, 10/1/20.
- “New START Extension,” Physics Coalition for Nuclear Threat Reduction, American Physical Society, 9/9/20, <https://www.youtube.com/watch?v=PBelC5M88-U>
- “The Case Against the Ground-based Strategic Deterrent,” Arms Control Association webinar, 6/17/20.
- “Obama’s “Prague Agenda”: Success and Frustration,” Center for International Studies and Laboratory for Nuclear Security and Policy, MIT, 5/8/19.
- “Academia and Government: Experiences and Lessons Learned,” Jefferson Science Symposium, Purdue University, 3/29/19.
- “Nuclear Modernization, ICBMs, and Launch on Warning,” American Physical Society Annual Meeting, Boston, MA, 3/1/19, https://www.youtube.com/watch?v=OeMizCqaAHM&list=PLqxD9DiwxL.GquMJN-56xTBeYXU_afGyx
- “Material Influences on Strategy,” Foreign Area Officers Course on Grand Strategy, George Washington University, 2/11/19.
- “The Prague Agenda: Success and Frustration,” Center for International Security and Cooperation Research Seminar, Stanford University, 1/17/19.
- “Strategic Space Systems,” “Space-based Ground Strike,” U.S.-Russia Dialogue on Full-Scope Strategic Stability, IMEMO, Moscow, 12/12-13/18.
- “Nuclear Science and Policy in the Obama White House,” Baltimore-Washington Chapter, Health Physics Society, College Park, MD, 11/27/18.
- “Welcome to the Fourth Industrial Revolution,” Bulletin of Atomic Scientists Annual Meeting, University Club of Chicago, 11/8/18.
- “Reducing the Nuclear Threats in Iran and Beyond,” MIT Alumni Association webinar, 9/19/18.
- “Current Strategic Deterrence Programs,” JASON 2018 Summer Study, 21st Century Nuclear Deterrence, La Jolla, 6/15/18.

- "No First Use," Center for Arms Control and Nonproliferation, Washington, DC, 6/6/18.
- "Verifying a Freeze of DRPK's Nuclear Program," Firewall Project, Carnegie Endowment for International Peace, Institute of Nuclear Information and Economics, and China Arms Control and Disarmament Association, Beijing, 3/20/18.
- "The Status and Outlook for AI and Autonomy at War," Artificial Intelligence and Autonomous Weapons Systems: Technology, Warfare, and Our Most Destructive Machines, Tempe Mission Palms, 2/16/18.
- "Grand Strategy in the Age of Artificial Intelligence," George Washington University, 2/6/18.
- "Technical capabilities and implications of THAAD deployment in Korea," bilateral meeting of Chinese Scientists Group on Arms Control and CISAC, Shanghai, China, 11/30/17.
- "Key Existing and Emerging Technologies Influencing Strategic Stability," "Prompt Global Strike: Technical and Mission Capabilities," U.S.-Russia Dialogue on Full-Scope Strategic Stability, IMEMO, Moscow, 11/7-8/17.
- "Obama's Prague Agenda: Success and Frustration," Program on Science and Global Security, Princeton University, 9/29/17.
- "New Technologies, New Threats?" Cooperative Threat Reduction Programs for the Next Ten Years and Beyond, National Academy of Sciences, Washington, DC, 9/18/17, <https://vimeo.com/album/4801186/video/237111413>
- "The Obama Record on Nuclear Weapon Policy," CISSM Global Forum, University of Maryland, 3/30/17.
- "Science and National Security in the Obama White House," Physics Colloquium, University of Maryland, 3/28/17.
- "The impact of Japan's plutonium program on nuclear proliferation and nuclear terrorism," U.S.-Japan Nuclear Cooperation Agreement and Japan's Plutonium Policy, Tokyo, 2/23/17.
- "No First Use," Tokyo, 2/22/17.
- "Science and Public Service," Intelligence Community Academic Research Symposium, Washington, DC, 9/20/16
- "Grand Challenges in Nuclear Verification Technology and Transparency Measures," Pacific Northwest National Laboratory, 6/16/16.
- "Climate Change and National Security," Second Annual Climate Change and National Security Interagency Roundtable, Washington, DC, 6/7/16.
- "The Nonproliferation Implications of Japan's Nuclear Fuel Cycle Decisions," Center for Strategic and International Studies, Washington, DC, 11/21/14.
- "Missile Defense: Confrontation and Cooperation," CISAC-RAS meeting, Geneva, Switzerland, 6/9/2014.
- "The impact of Japan's reprocessing program on the risks of nuclear proliferation and nuclear terrorism," Asahi Shimbun-Princeton Symposium on Managing Spent Fuel: To Reprocess or Store," Tokyo, 12/5/13, http://ajw.asahi.com/article/behind_news/social_affairs/AJ201401050011.
- "Science, Technology, and Innovation Policy in the Obama Administration," Bovay Seminar in Engineering Ethics, Cornell University, 4/24/13.
- "Science in the White House," American Physical Society, Denver, 4/13/13.
- "Comments on 'Making Sense of Missile Defense'," CISAC-CAS meeting, Washington, DC, 4/10/13.
- "U.S.-Russian Cooperation on Missile Defense," CISAC-RAS meeting, Washington, DC, 4/6/13.
- "Managing the Risks of Nuclear Fuel Cycles," Bulletin of the Atomic Scientists Doomsday Clock Symposium, Washington, DC, 11/29/12.
- "Science and Technology Policy: A View from the White House," Princeton University, 11/26/12.
- "Science and Technology Policy: A View from the White House," Georgetown University, 11/15/12.
- "Science, Technology, and Innovation Policy: A View from the White House," Research Review Day, Department of Electrical and Computer Engineering, University of Maryland, 10/9/09.
- "Expanding Nuclear Energy Without Increasing the Risks of Nuclear Proliferation," 73 Jahrestagung der Deutsche Physikalische Gesellschaft, University of Hamburg, 3/5/09.

- "The Transformation of World Energy Supply: From Fossil Fuels to Carbon-free Energy," Great Decisions, Frederick, MD, 1/25/09.
- "Conventional Prompt Global Strike: Silver Bullet or Shot in the Dark?" Program on Science and Global Security, Princeton University, Princeton, NJ, 11/12/08.
- "Relationship between Multinationalization of the Fuel Cycle and Nuclear Disarmament," Workshop on Internationalizing Uranium Enrichment, MIT, Cambridge, MA, 10/21/08.
- Roundtable with Senator Voinovich and Senator Carper, "Nuclear Renaissance: Challenges and Opportunities Associated with Spent Fuel Recycling," Washington, DC, 9/25/08.
- "Contraction of Nuclear Energy Use" Pathways: Scenarios for Nuclear Energy and Nuclear Weapons in 030 and Implications for U.S. Policy, University of California, Berkeley, 9/19/08.
- "Evidence-based policy or policy-based evidence? Nuclear weapons decision making in the United States v. Europe, Euroscience Open Forum, Barcelona, 7/19/08.
- "Nuclear Power Growth: Proliferation Resistance and Physical Protection," Woodrow Wilson International Center for Scholars, 4/24/08.
- "A New Nuclear World Order: Asian Perspectives," Centre on Asia and Globalization, Lee Kwan Yew School of Public Policy, Singapore, 3/7/08.
- "Nuclear Attribution and Response: Political, Operational, and Technical Avenues for Cooperation," U.S.- Russian Dialogue on Strategic Cooperation and Joint Crisis Management, The National Academies, Washington, DC, 11/28/07.
- "The Limits of Advanced Technology," Workshop on Nuclear Power Growth," Woodrow Wilson International Center for Scholars, Washington, DC, 11/28/07.
- Respondant to paper by Roy Spencer, "Manmade Global Warming, Science or Religion?" Institute on Religion and Democracy, Washington, DC, 11/14/07.
- "A Conversation about Science Policy," University of Chicago, 10/31/07.
- "Climate Change and the Future of Nuclear Energy," Physics Department Colloquium, University of Maryland, 10/30/07.
- "What Role Does Nuclear Energy Play in Global Climate Change Policy," The Role of Nuclear Power in Global and Domestic Energy Policy," Woodrow Wilson Center, Washington, DC, 10/3/07.
- "Advice on Nuclear Power for the Next Secretary of Energy," Union of Concerned Scientists National Advisory Board, Washington, DC, 9/29/07.
- "Economics of Nuclear Power," The Role of Nuclear Power, Summer Workshop, Washington and Lee University and Council on Foreign Relations, 6/23/07.
- "Responsible Use of Civil Nuclear Technology," joint meeting between the Islamabad Policy Research Institute and the Committee on International Security and Arms Control, Bhurban, Pakistan, 6/8/07.
- "The Nonproliferation Impacts of the 'Global Nuclear Energy Partnership' Program, Assessing the IAEA's Ability to Safeguard Peaceful Nuclear Energy, Paris, France, 11/13/06.
- "The Future of Nuclear Energy and Nuclear Proliferation," Economic Forum, Krynica, Poland, 9/8/06.
- "The Climate Change Imperative and the Future of Nuclear Power," and "Resources for the Long Term," International Seminars on Planetary Emergencies, Erice, Italy, 8/20/06.
- "The Bush administration's Global Nuclear Energy Partnership," CISAC-RAS meeting, Moscow, 6/6/06.
- "Climate Change and the Future of Energy," Prince George's County Kiwanis Club, 5/18/06.
- "The Future of Nuclear Power," Woodrow Wilson Center for Scholars, 4/25/06.
- "A Prohibition on Nuclear Weapons: The Best Nonproliferation Policy?" School of Public Policy, 4/6/06
- "The Bush administration's Global Nuclear Energy Partnership," CISAC-CSGAC meeting, Vancouver, 4/3/06.
- "Monitoring Nuclear Weapons and Nuclear Explosive Materials," American Physical Society meeting, Baltimore, 3/13/06.

- "The Bush Nuclear Doctrine and the Case for Prohibition," The Atlantic Council, Washington, DC, 12/8/05.
- "A Prohibition on Nuclear Weapons: The Best Nonproliferation Policy?" National Press Club, Washington, DC, 11/30/05.
- Testimony on "Economic Aspects of Nuclear Fuel Reprocessing" before Subcommittee on Energy, Committee on Science, House of Representatives, 7/12/05.
- "Monitoring Nuclear Weapons and Nuclear Explosive Materials," Security for a New Century (bipartisan study group for Congress), 5/4/05.
- "World Fuel Cycle and Nonproliferation," Workshop on Nuclear Energy's Role in Meeting Future U.S. Energy Requirements, National Academy of Sciences, Washington, 3/28/05.
- "The Economics of Reprocessing and Recycle v. Direct Disposal of Spent Fuel," Atomic Energy Commission, Tokyo, Japan, 6/1/04.
- "The Economics of Reprocessing and Recycle v. Direct Disposal of Spent Fuel," Fukushima Energy Policy Review Council, Fukushima, Japan, 5/31/04.
- "The Economics of Reprocessing and Recycle v. Direct Disposal of Spent Fuel," Aomori, Japan, 5/30/04.
- "A Technical Assessment of the Bush Administration Nuclear Posture Review: BMD, EPW, HDBT, ADW, and all that," Georgetown University, 2/18/04.
- "Nuclear Materials Management in a New Era of Arms Control," Institute of Nuclear Materials Management workshop, Washington, DC, 11/13/03.
- "Climate Change and the Transformation of World Energy Supply," Geography Department, University of Maryland, College Park, MD, 10/23/03.
- "The Future of the Nuclear Fuel Cycle," Stanford University, 9/18/03.
- "The Radiological Risks Associated with the Use of Depleted Uranium," The Health Impact of Depleted Uranium Munitions, New York Academy of Medicine, 6/14/03
- "The Effects of Nuclear and Radiological Attacks," Chesapeake Series on Homeland Security, Rayburn House Office Building, 5/19/03.
- "The Bush Administration's Nuclear Policy: The Fallacy of the Last Move?" American Physical Society, Philadelphia, PA, 4/8/03.
- "Nuclear and Radiological Attack," primer for journalists, National Press Club, 3/10/03
- "The Effect of the New Bush Doctrine of 'Preemptive Action' on U.S. Foreign Policy and Non-Proliferation Efforts," conference on "Nuclear Policy in the Bush Era," jointly sponsored by the Center for Defense Information and Physicians for Social Responsibility, Washington, DC, 2/27/03.
- "Climate Change and the Transformation of World Energy Supply," Geology Department, University of Maryland, College Park, MD, 11/8/02.
- "Climate Change and the Transformation of World Energy Supply," World Energy Policy in the 21st Century, University of Maryland, 9/17/02.
- "Climate Change: What Do We Know? What Should We Do?" League of Women Voters, Washington, DC, 9/13/02.
- "The Debate over National Missile Defense," Washington Institute for Operations Research Washington Academy of Sciences, World Future Society, Washington, DC, 3/21/02.
- "The Debate over National Missile Defense," Carnegie Institution of Washington, Washington, DC, 3/11/02.
- "Promoting Best Practices for the Security of Nuclear Materials and Facilities," National Institute for Advanced Studies, Bangalore, 5 March 2002.
- "Requirements for Verifying the Prohibition of Nuclear Weapons," Department of Foreign Affairs and International Trade, Ottawa, 1/10/02.
- "Energy Sustainability: Current Realities and Future Possibilities," 2nd National Conference on Science, Policy and the Environment, National Council for Science and the Environment, Washington, DC, 12/7/01.

- "The Science of Missile Defense," Philosophical Society of Washington, Washington, DC, 11/9/01.
- "The Future of Strategic Nuclear Arms Control," Max Planck Institute, Berlin, 10/26/01.
- "The Link between Environment and Security," National Religious Partnership for the Environment, Airlie House, VA, 10/12/01.
- "The Prospects for Nuclear Power," National Intelligence Council energy conference, College Park, MD 9/7/01.
- "North Korea's Nuclear and Missile Programs and Capabilities," National Security Agency, Ft. Meade, MD, 6/6/01.
- "After the Dust Settles: The Health Risks of Depleted Uranium Munitions," CISSM Forum, University of Maryland, 3/8/01.
- "Energy and Climate Change," Royal Institute of International Affairs, Chatam House, London, 3/16/01.
- "Possibilities for Comprehensive Nuclear Arms Reductions," bilateral meeting of Chinese Scientists Group on Arms Control and CISAC, Irvine, CA, 3/4/01.
- "Stockpile Declarations," SIPRI working group on transparency for fissile materials, warheads, and facilities," Paris, 2/9/01.
- "Evaluation of Carbon-free Energy Sources to Mitigate Climate Change," UNESCO Autumn School of Global Climate Changes and Impact on Biosphere, Milan, Italy, 10/11-12/00.
- "The Vulnerability of the Proposed NMD System to Countermeasures," U.S. Army Space and Missile Defense Conference, Huntsville, AL, 8/24/00.
- "Alternatives to NMD," Carnegie Endowment for International Peace, Washington, DC, 5/16/00
- "National Missile Defense: Same As It Ever Was," American Physical Society meeting, Long Beach, CA, 4/30/00.
- "Climate Change and the Transformation of World Energy Supply," Georgetown University, 4/18/00.
- "When the Dust Settles: The Hazard Posed by Depleted Uranium Munitions," University of California, Berkeley, 4/3/00.
- "National Missile Defense," annual meeting, Arms Control Association, Washington, DC, 3/31/00;
<http://www.armscontrol.org/ACT/april00/panap00.htm>.
- "PRC and US future participation in arms control," bilateral meeting of Scientists Group on Arms Control and CISAC, Beijing, 3/5-6/00.
- "Future of Nuclear Arms Control," bilateral meeting of Russian and U.S. Committees on International Security and Arms Control, Moscow, 1/00.
- "Verifying a Nuclear Weapons Convention," and "Depleted Uranium: Technical and Political Issues," Critical Disarmament Issues, UN Centre for Disarmament Affairs and NGO Committee on Disarmament, New York, 10/29/99.
- "Climate Change and the Transformation of World Energy Supply," University of Tokyo, 5/25/99.
- "Towards Nuclear Zero: Comprehensive Accounting Arrangements for Warheads and Fissile Materials, 1st Bilateral Meeting of U.S. Committee on International Security and Arms Control and Indian National Institute for Advanced Study, Bangalore, India, 5/20/99.
- "National Missile Defense," 25th Bilateral Meeting of U.S. and Russian Committees on International Security and Arms Control, Berlin, 5/15/99.
- "Nuclear Weapon Design, Production, and Proliferation," National Security Agency, Ft. Meade, MD, 5/4-5/99.
- "The Future of Nuclear Arms Control," American Physical Society Centennial Meeting, Atlanta, 3/24/99;
http://www.apscenttalks.org/pres_masterpage.cfm?nameID=166.
- "The Russian Nuclear Complex: Security in an Age of State Collapse," University of Maryland, 3/18/99
- "Proliferation of Weapons of Mass Destruction: The Role of Russia," and "Nuclear Materials in the former Soviet Union," National Security Agency, Ft. Meade, MD, 3/16/99.
- "The Future of U.S. Nuclear Weapons Policy," Princeton University, 3/9/99.

- “Policies for New and Renewable Energy,” US, Japan, Germany Energy Experts Network Meeting on National Policies and International Cooperation for Global Climate Change Mitigation: Challenges and Opportunities, University of Maryland, 2/22–23/99.
- “Climate Change and the Transformation of World Energy Supply,” Pacific Northwest Laboratories, Washington, DC, 2/18/99.
- “The Future of U.S. Nuclear Weapons Policy,” University of Chicago, 1/19/99.
- “From START II to START III and Beyond” (with Gen. William Burns), 24th Bilateral Meeting of U.S. and Russian Committees on International Security and Arms Control, Washington, 1/13–15/99.
- “Climate Change and the Future of Nuclear Energy,” Pugwash meeting no. 244, “The Prospects for Nuclear Energy,” Paris, 12/4/98.
- “Climate Change and Future Energy Supply,” Physics Department Colloquium, University of Maryland, College Park, MD, 11/17/98.
- “Energy, Environment, and International Security,” Eighth Student Pugwash USA National Conference on Science and Social Responsibility, Washington, DC, 11/12/98.
- “Nuclear Disarmament: Feasible? Verifiable?” The World at a Critical Turning Point, UN Centre for Disarmament Affairs and NGO Committee on Disarmament, New York, 10/29/98;
<http://www.igc.apc.org/disarm/nukverif.html>.
- “Economics of Plutonium Recycle,” Bilateral Meeting of Chinese People’s Association for Peace and Disarmament and CISAC, Beijing, 5/26/98.
- “Non-Proliferation Aspects of Civilian plutonium Programs,” Second International Workshop on Plutonium and Global Society, Tokyo, 5/22/98.
- “Nuclear Materials in the former Soviet Union,” National Security Agency, Ft. Meade, MD, 5/6/98.
- “Climate Change and the Transition to a Sustainable Energy Supply: A Role for Fusion?” Madison, WI, 4/27/98.
- “The Future of Arms Control and Verification Technologies,” Annual Meeting of the German Physical Society, Regensburg, Germany, 3/26/98.
- “Climate Change and the Transition to a Sustainable Energy Supply: A Role for Fusion?” Laboratory for Plasma Research, University of Maryland, 3/4/98.
- “Climate Change and the Transition to a Sustainable Energy Supply,” Energy and Resources Group, University of California, Berkeley, 2/17/98.
- “Energy R&D and Climate Change: Preparing for the Future,” Annual Meeting of the American Association for the Advancement of Science, Philadelphia, PA, 2/15/98.
- “Global Environmental Trends,” National Security Agency, Ft. Meade, MD, 2/10/98.
- “Tactical Nuclear Weapons,” Workshop on the Future of Russian-US Strategic Arms Reductions: START III and Beyond, Cambridge, MA, 2/2-5/98.
- “The Transparency and Verification Issues Involved in the Transition to a Nuclear Arms Reductions Regime Based on Controlling All Warheads,” Bilateral Meeting of U.S. and Russian Committees on International Security and Arms Control, Moscow, 1/14–16/98.
- “Climate Change and Nuclear Energy,” American Nuclear Society Winter meeting, Albuquerque, NM, 11/18/97.
- “Climate Change and the Future of Nuclear Energy,” Los Alamos National Laboratory, Los Alamos, NM, 11/17/97.
- “Nuclear Materials in the former Soviet Union,” National Security Agency, Ft. Meade, MD, 10/15/97.
- “Climate Change and the Transition to a Sustainable Energy Supply,” Center for Energy and Environmental Studies, Princeton University, 9/14/97.
- “Climate Change and the Transition to a Sustainable Energy Supply,” Energy Analysis Division, Lawrence Berkeley National Laboratory, 7/3/97.
- “Climate Change and the Transition to a Sustainable Energy Supply,” Kennedy School of Government, Harvard University, 6/19/97.

- "The Future of U.S. Nuclear Weapons Policy," Center for Nonproliferation Studies, Monterey Institute of International Studies, 6/5/97.
- "Economics and Timing of Transition to Plutonium Recycle and Breeder Reactors," Bilateral Meeting of Chinese People's Association for Peace and Disarmament and CISAC, Beijing, 5/19/97.
- "Verifying Nuclear Disarmament," 25th Pugwash Workshop on Nuclear Forces, London, 10/27/96; press conference, 10/28/96.
- "North Korea: A Case Study in Proliferation and Nonproliferation" Carnegie-Mellon University, 10/22/96.
- "Characteristics and Technical Capabilities of U.S. Ballistic-Missile Defense Programs," Bilateral Meeting of Chinese People's Association for Peace and Disarmament and CISAC, Washington, 10/21/96.
- "What Might a Warhead Verification Regime Look Like," 10th ACDA Conference on Stability and the Offense-Defense Relationship, Airlie, VA, 10/9/96.
- "Nuclear Power and Nonproliferation," Center for National Policy workshop on The Future of Nuclear Power in the United States, Washington, DC, 6/26/96.
- "Verifying Nuclear Disarmament," Council on Foreign Relations Nuclear Study Group, Washington, DC, 4/24/96.
- "Assessing the Feasibility and the Desirability of Ballistic Missile Defenses," American Association for the Advancement of Sciences, Baltimore, 2/10/96.
- "North Korea: A Case Study in Proliferation and Nonproliferation" Grinnell College, 2/6/96.
- "The Clinton Administration's Response to the North Korean Nuclear Program," Stanford University, 8/15/95.
- "Controlling Missile Technology: The Future of Cruise Missile Proliferation," Bilateral Meeting of CISAC and Russian counterpart group, Moscow, 5/29-31/95.
- "Controlling Nuclear Materials," Roundtable on controlling nuclear materials in the former Soviet Union, Foreign Service Institute, Arlington, VA, 5/23/95.
- "Future of the Russian Weapon Laboratories," State Department-sponsored workshop at Meridian Corporation, Washington, DC, 5/7/95.
- "Controlling Missile Technology: China's Role in South Asia," Bilateral Meeting of Chinese People's Association for Peace and Disarmament and CISAC, Beijing, 4/18-20/95.
- "The Clinton Administration's Nuclear Posture Review," Pugwash Workshop on the Future of the Nuclear Weapon Complexes of the USA and Russia, Moscow, 2/20-22/95.
- "The Clinton Administration's Response to the North Korean Nuclear Crisis," University of Maryland, 2/16/95.
- "The Clinton Administration's Nuclear Posture Review," 23rd Pugwash Workshop on Nuclear Forces, Geneva, 12/10-11/94.
- "The North Korean Nuclear Program: How Will It End?" Defense and Arms Control Studies Program, Massachusetts Institute of Technology, 10/19/94.
- "The Atom in the New World Order: The Changing Role of Nuclear Weapons and Nuclear Power," Allegheny College, 10/10/94.
- Debate on Technical Aspects of a CTB, Congressional Research Service, 4/13/92.
- "Arms Control After the Collapse of the Soviet Union," Physics Colloquium, University of Maryland, 2/18/92.
- "Nuclear Archeology," Brookhaven National Laboratory, 8/14/91.
- "Warhead Arms Control," Physics Colloquium, Argonne National Laboratory, 7/19/91.
- "Western Nuclear Policy and the New Geopolitical Context," Airlie House, VA, 6/13-16/91.
- "Regional Security Regimes: Building a Conventional Arms Control Regime in the Balkans," Bulgaria, 5/29-6/3/91.
- "Naval Arms Control," AAAS Annual Meeting, Washington, DC, 2/16/91.

- “Ballistic-missile Proliferation,” Second International Summer School on Science and World Affairs, Princeton University, 8/12/90.
- “Black Sea Experiment,” Physics Department, Ohio State University, 2/6/90.
- “Black Sea Experiment,” Idaho National Engineering Laboratory, 1/9/90.
- “Black Sea Experiment,” National Bureau of Standards, 1/4/90.
- “Black Sea Experiment,” Engineering and Public Policy Program, Carnegie-Mellon University, 11/3/89.
- “Black Sea Experiment,” Peace Studies Program, Cornell University, 10/18/89.
- “Black Sea Experiment,” Naval Research Laboratory, 8/15/89.
- “Black Sea Experiment,” Lawrence Livermore National Laboratory, 8/11/89.
- “Black Sea Experiment,” Argonne National Laboratory, 7/14/89.
- “Toward a Comprehensive Test Ban,” American Physical Society Meeting, Baltimore, 5/2/89.
- “Toward a Comprehensive Test Ban,” Physical Sciences Colloquium Series, Thomas J. Watson IBM Research Center, 3/28/89.
- “The Environmental Aspects of Fusion Energy,” Laboratory for Plasma Research Seminar, University of Maryland, 1/30/89.
- “Toward a Comprehensive Test Ban,” Center for Political Studies Seminar, University of Michigan, Ann Arbor, 12/14/88.

M E D I A A P P E A R A N C E S A N D I N T E R V I E W S
(n = 22)

Science History Podcast, Episode 81

- “The Black Sea Experiment,” My Nuclear Life podcast, 4/30/24, <https://mynuclearlife.com/episode/the-black-sea-experiment-data-taking-and-legacy>
- BBC, “Nuclear Armageddon: How Close Are We?” broadcast 1/18/24, <https://www.bbc.co.uk/programmes/m001vqg5>
- “Fear of an Endless Arms Race,” interview with Masakatsu Ota, Kyodo News Service, published in Tohon-nippo (Aomori), Saga Shinbun (Kyushu), and Nihonkai Shinbun, 11/22/23.
- “Skinny Dipping in the USSR,” *The Reason We’re All Still Here* podcast, season 3, 9/29/23, <https://podcasts.apple.com/us/podcast/skinny-dipping-in-the-ussr/id1527094379?i=1000628525746>
- “Tracking the Doomsday Clock: Why the threat of nuclear war depicted in Oppenheimer remains today,” interview by Manjula Selvarajah, “Day 6,” Candian Broadcasting Corporation, 8/4/23, <https://www.cbc.ca/player/play/2252304451886>
- “Putin’s New START announcement,” interview by John Mecklin, Bulletin of the Atomic Scientists, 2/21/23, <https://thebulletin.org/2023/02/interview-steve-fetter-on-the-meaning-of-putins-new-start-announcement>
- “War Puts Disarmament Efforts at Risk,” interview by Yoshida Mayu, NHK World News, 2/21/23, <https://www3.nhk.or.jp/nhkworld/en/news/videos/20230214153708673>; <https://www3.nhk.or.jp/nhkworld/en/news/backstories/2312>
- “Guest List: 5 People We’d Love to Hang Out With,” Washingtonian, 3/3/23, <https://www.washingtonian.com/2023/03/03/guest-list-5-people-march-2023/>
- “U.S. Nuclear Weapons and the Nuclear Posture Review,” My Nuclear Life podcast, 11/29/22, <https://mynuclearlife.com/episode/us-nuclear-weapons-and-the-nuclear-posture-review-with-steve-fetter>
- Mike Martindale, “Michigan-bound radioactive material reported missing has been recovered, The Detroit News, 8/1/21, <https://eu.detroitnews.com/story/news/local/michigan/2021/07/30/michigan-bound-radioactive-material-reported-missing-has-been-recovered/5430232001>
- Lauren Lumpkin, “Workers and universities at odds as labor movements unfold on Maryland campuses, Washington Post, 3/5/21, https://www.washingtonpost.com/local/education/university-maryland-system-labor-movements/2021/03/05/8181cca2-7ddc-11eb-a976-c028a4215c78_story.html
- BBC World News interview with Rupert Wingfield-Hayes on Japan’s nuclear policy, 8/5/20.

Daniel Oberhaus, "The Next Generation of Nuclear Plants will be Small, Svelte, and Safter, Wired, 12/13/19, <https://www.wired.com/story/the-next-nuclear-plants-will-be-small-svelte-and-safer>

"B-52 unwittingly hauls nuke warheads to BAFB," Shreveport Times, 3/7/11

"Science Daily," Discovery Channel Canada, broadcast 1/8/01

Interview by Hans Peter Stalder, SRG Swiss Television DRS, broadcast 1/10/01

Interview by Sandy McCutcheon, Radio National's "Summer Breakfast Program," Australian Broadcast Corporation, broadcast 1/10/01

Interview by Jonathan Mann, "Insight," Cable News Network International, broadcast 1/10/01, [HTTP://WWW.CNN.COM/TRANSCRIPTS/0101/10/I_INS.00.HTML](http://www.cnn.com/transcripts/0101/10/i_ins.00.html)

Interview by David Kestenbaum, "All Things Considered," National Public Radio, broadcast 1/11/01, [HTTP://WWW.NPR.ORG/RAMFILES/ATC/20010111.ATC.15.RMM](http://www.npr.org/ramfiles/atc/20010111.atc.15.rmm)

Washington Post live on-line forum, 1/17/01, [HTTP://WWW.WASHINGTONPOST.COM/WP-SRV/LIVEONLINE/01/WORLD/FETTER_011701.HTM](http://www.washingtonpost.com/wp-srv/liveonline/01/world/fetter_011701.htm)

Interview by Robert Hetkaemper, ARD German television, broadcast 1/18/01

P E R S O N A L

Born in central Pennsylvania, Steve was the first of his family to receive a high school diploma. He enjoys cooking, hiking, bicycling, and kayaking. He has been married since 1980 to Marie, a retired nurse-practitioner and certified nurse-midwife; daughter Emily is an enforcement attorney in the [U.S. Securities and Exchange Commission](#); son Max is an [organic farmer](#).