

## Publications and Presentations

**Last modified: March 10, 2024**

### **1. Books**

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

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Thomas B. Cochran, *The Liquid Metal Fast Breeder Reactor: An Environmental and Economic Critique* (Washington, D.C.: Resources for the Future, 1974).

### **2. Encyclopaedia Articles**

W.J. Frank, Thomas B. Cochran, and Robert S. Norris, "Nuclear Weapons" in "Technology of War," *The New Encyclopedia Britannica*, 15th ed., vol. 29 (1990), pp. 575-578.

Thomas B. Cochran and Robert S. Norris, "The Development of Fusion Weapons" in "Technology of War," *The New Encyclopedia Britannica*, 15th ed., vol. 29 (1990), pp. 578-580.

Robert S. Norris and Thomas B. Cochran, "Nuclear Weapons;" Robert S. Norris and Thomas B. Cochran, "Yury Borisovich Khariton;" Robert S. Norris and Thomas B. Cochran, "Igor Vasilyevich Kurchatov;" Robert S. Norris and Thomas B. Cochran, "Andrey Dmitriyevich Sakharov;" Robert S. Norris and Thomas B. Cochran, "Igor Yevgenyevich Tamm".  
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### 3. Book and Journal Articles

Thomas B. Cochran and Henry Sokolski, "How Many Nuclear Warheads China Might Acquire by 2030," Chapter 1 in *China's Civil Nuclear Sector: Plowshares into Swords?*, Nonproliferation Policy Education Center, Occasional Paper 2102 (Washington, D.C., March 2021), pp. 6-24.

Thomas B. Cochran and Matthew G. McKinzie, "A Brief Commentary on "U.S. Military Nuclear Material Unaccounted For: Missing in Action of Just Sloppy Practices?," Chapter 3 in *Nuclear Weapons Materials Gone Missing: What Does History Teach?* by Henry D. Sokolski (Editor), Strategic Studies Institute (U.S.) (Editor), Army War College (U.S.) (Editor), Nonproliferation Policy Education Center (U.S.) (Editor) (Washington, D.C., 2015), pp. 41-46.

Thomas B. Cochran, Harold A. Feiveson, Zia Mian, M. V. Ramana, Mycle Schneider & Frank N. von Hippel, "It's Time to Give up on Breeder Reactors," *Bulletin of the Atomic Scientists* (May/June 2010), vol 66, no. 3, pp. 50-66.

Thomas B. Cochran, Harold A. Feiveson, and Frank von Hippel, "Fast Reactor Development in the United States," Chapter 7 (pp. 89-111) in Thomas B. Cochran, Harold A. Feiveson, Walt Patterson, Gennadi Pshakin, M.V. Ramana, Mycle Schneider, Tatsujiro Suzuki, Frank von Hippel (Editors), *Fast Breeder Reactor Programs: History and Status*, Research Report 8, International Panel on Fissile Materials, February 2010.

Thomas B. Cochran and Geoffrey H. Fettus, "NRDC's Perspective on the Nuclear Waste Dilemma," *Environmental Law and Policy Annual Review*, Environmental Law Institute (2010), **40** ELR 10791-10794.

Thomas B. Cochran and Matthew G. McKinzie, "Detecting Nuclear Smuggling," *Scientific American* (April 2008) pp. 98-104.

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Thomas B. Cochran, Matthew McKinzie, Robert S. Norris, Laura S. Harrison and Hans M. Kristensen, "China's Nuclear Forces: The World's First look at China's Underground Facilities for Nuclear Warheads," *Imaging Notes*, (Winter 2006): pp. 22-26.

Thomas B. Cochran and Matthew McKinzie, "Windows into North Korea: Satellite Views of the Hermit Kingdom," *Imaging Notes*, vol. 20, no. 2 (Summer 2005): pp. 16-21.

Thomas B. Cochran, "Eliminate Nuclear Weapons and Nuclear Fuel Reprocessing," *Actinide Research Quarterly* of the Los Alamos National Laboratory, 2<sup>nd</sup> Quarter and 3<sup>rd</sup> Quarter 2000, pp. 10-12.

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#### **4. Congressional Testimony and Comments**

Thomas B. Cochran, “Fukushima Nuclear Disaster and its Implications for U.S. Nuclear Power Reactors,” testimony and written statement at the Joint Hearings of the Subcommittee on Clean Air and Nuclear Safety and the Committee on Environment and Public Works, United States Senate, Washington, D.C., April 11, 2011.

Thomas B. Cochran and Christopher E. Paine, Statement before the Committee on Energy and Natural Resources, United States Senate, Washington, D.C., Re: “Nuclear Energy Developments,” Washington, D.C., March 18, 2009.

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Thomas B. Cochran, Statement before the Committee on Homeland Security and Governmental Affairs, United States Senate, Re: “The Utility of Advanced Spectroscopic Portal Monitors for Interdicting WMD” Washington, D.C., September 25, 2008.

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## **5. Federal Agencies: Comments, Petitions and Submissions**

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Thomas B. Cochran and Geoffrey H. Fettus, "Natural Resources Defense Council (NRDC) Comments on the Draft Environmental Assessment, NSF-Erwin Facility; Docket No. 70-143; License SNM-124," December 22, 2010.

Thomas B. Cochran, "Statement Before the Department of Energy's Blue Ribbon Commission on America's Nuclear Future," Washington, D.C., May 25, 2010.

Thomas B. Cochran, Geoffrey H. Fettus and Christopher E. Paine, "Re: Initial NRDC Comments on Advanced Notice of Intent to Prepare an EIS for GNEP," letter to Timothy A. Frazier, NEPA Document Manager, Office of Nuclear Energy, Science & Technology, U.S. Department of Energy, May 1, 2006.

Thomas B. Cochran, "Nuclear Power," PowerPoint presentation at the U.S. Department of Energy's Laboratory Energy R&D Working Group Meeting, Washington, D.C., April 20, 2005.

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Thomas B. Cochran, "Potential Disposal at WIPP of Materials Contained in High-Level Radioactive Waste Tanks," remarks at the Environmental Evaluation Group's Hanford Transuranic Tank Waste Technical Workshop, Albuquerque, New Mexico, March 16, 2004.

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## **6. National Academy of Sciences Events and Relate Articles**

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Thomas B. Cochran, “The Black Sea Experiment,” presented at “From Reykjavik to New START: Science and Diplomacy for Nuclear Security in the 21<sup>st</sup> Century,” an event sponsored by the National Academy of Sciences Committee on International Security and Arms Control and the U.S. Institute of Peace Center for Innovation for Science, Diplomacy, and Peacebuilding, Washington, D.C., January 19, 2011.

Thomas B. Cochran and Matthew G. McKinzie, An Assessment of the Capability to Detect Highly Enriched Uranium and its Use in an Improvised Nuclear Device, PowerPoint Presentation to the Committee on Advanced Spectroscopic Portals, Nuclear Radiation Studies

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## **7. Conference and Other Presentations**

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