

Professor Bruce Larkin
Department of Politics
Fall 2007

University of California at Santa Cruz
TuTh 8-9.45 a.m.
Cowell College 222

Politics 190U Security, Disarmament and Nonproliferation

This class is an advanced undergraduate seminar on (i) global public policy issues posed by development and dissemination of nuclear, biological, chemical, and radiological weapons and (ii) measures proposed to prevent weapons proliferation and to achieve disarmament.

Politics 190U is open to upper-division students in all departments and to graduate students, subject to the class size limitation and concern for Politics majors who may intend to meet their senior graduation requirement by writing a research paper. If you wish to take part and encounter any problem in registering, or are concerned about admission to the class, please email me at politics190u@learnworld.com

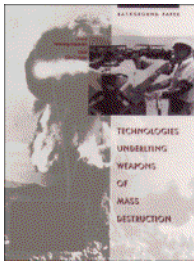
You will write a research paper of 20-30 pages, submitted first in successive partial draft by specified deadlines, in response to a question (or set of well-related questions) negotiated with me. In addition—and perhaps to complement your research paper—you will familiarize yourself with the positions taken by one state and make a recorded presentation describing and explaining that state's most salient positions, and the best sources for determining them, for viewing by class members.

In principle, all public documents assigned could be burned to a class CD.

This class is not open for credit to students who have taken Politics 168 (on this same subject).

Required and Additional Reading

All except *Weapons of Mass Destruction and Terrorism* are required:



United States. Office of Technology Assessment. *Technologies Underlying Weapons of Mass Destruction*. December 1993. OTA-BP-ISC-115. NTIS order #PB94-126984. GPO stock #052-003-01361-4 The full text: http://www.wws.princeton.edu/~ota/disk1/1993/9344_n.html

Ferguson, Charles and William C. Potter. *The Four Faces of Nuclear Terrorism* (Monterey, California: Monterey Institute Center for Nonproliferation Studies, 2004). [A new version was published in late 2005 by Routledge. Either version is fine.]

Larkin, Bruce D. *Designing Denuclearization*.

WMD Commission. *Weapons of Terror: Freeing the World of Nuclear, Biological and Chemical Arms* (Stockholm: WMD Commission, 1 June 2006). The Blix Report. The full text of

the report, and forty-one expert studies contributed to the Commission, are at their website <http://www.wmdcommission.org>

Russell D. Howard and James J. F. Forest [eds]. *Weapons of Mass Destruction and Terrorism* (New York: McGraw-Hill, 2007). [**Not required.**] [Paperback. 624 pp. ±\$36.]

Ongoing Topical Politics of Nuclear, Chemical, and Biological Weapons

Each weekday, usually in the afternoon, the Nuclear Threat Initiative issues a summary of reports and articles. Please glance at these and use the minutes before the class meets to point out any items that seem especially helpful or problematic.

<http://www.nti.org/>

Reference

Please familiarize yourself with the resources available at the site of the Global Collaborative on Denuclearization Design:

<http://www.gcdd.net/>

Larkin, Bruce D. [ed]. *Designing Denuclearization: Documents* [on line]:
<http://www.learnworld.com/COURSES/P190U/ClassroomUse/DDDocuments.pdf> or
<http://www.learnworld.com/COURSES/P190U/ClassroomUse/DDDocuments.doc>

Schedule. The first meeting of this class is **Thursday, 27 September 2007**. There is reading assigned for the first class: **please be prepared**. The last class is **Friday, 7 December**. The class does not meet on Thursday, 22 November. There are **20 class meetings**. Attendance is *required* and an attendance log is kept. To take this class for credit you must submit your completed research paper before 5 pm Friday, 7 December, in hard copy and on disk (Word .doc or .rtf file, or as plain text .txt only) to the instructor or his box in the Merrill Steno Pool; no exceptions will be made.

The syllabus is divided into 20 ‘sessions’. Some class time will be reserved for videos, speakers, notes on bibliography and resources *All* readings are *required*, except as noted. **The four assigned texts are required in full, even though the Session list below lists only some parts of them.**

In general, the Session lists below identify texts that every student should have prepared before the corresponding class. Each student must be ready to characterize the text and to respond to the questions “What *issues* are raised by, or addressed by, this text? and why are those issues *significant*?” Please be prepared **even for—especially for—the first class.**

Term Paper. You will write a research paper of 20-30 pages, submitted first in successive partial draft by specified deadlines, in response to a question (or set of well-related questions) negotiated with me.

Presentation. In addition—and perhaps to complement your research paper—you will familiarize yourself with the positions taken by one state and make a recorded presentation describing and explaining that state’s most salient positions, and the best sources for determining them, for viewing by class members.

Evaluation. Elements of your performance will contribute to your final grade with the following weights:

knowledge and use of readings	20%
synthetic insight	25%
analytic care	15%
argument	18%
research finding/choice of sources	16%
extemporaneous facility	6%

Absence from seminar may be noted in the evaluation.

Bad URLs. Please let me know [politics190u@learnworld.com] if a link doesn't work.

Contact. Email to: politics190u@learnworld.com Telephone 1-413-695-0264 (includes voicemail), which may be a toll call. Office: Merrill Faculty Annex 151. Office hours: Monday, 1.30-3.00, Merrill Faculty Annex 151, and by arrangement.

Part 1. Introduction

1 Nonproliferation by agreement. Treaty regimes. The nuclear 'safeguards regime'.

- Treaty on the Nonproliferation of Nuclear Weapons [NPT].
<http://disarmament.un.org/wmd/npt/npttext.html>
- IAEA INFCIRC/66 [1965, as provisionally extended in 1966 and 1968]. The Agency's Safeguards System. <http://www.iaea.org/Publications/Documents/Infcircs/Others/inf66r2.shtml> [Index page for INFCIRCs is <http://www.iaea.org/Publications/Documents/Infcircs/index.html>]
- IAEA INFCIRC/540 ['additional protocol' on nuclear safeguards] Model Protocol Additional to the Agreement(s) Between State(s) and the International Atomic Energy Agency for the Application of Safeguards.
<http://www.iaea.org/Publications/Documents/Infcircs/1998/infcirc540corrected.pdf>
- OTA. *Technologies ...* Chapter 1. Introduction and Summary.

Part 2. Nuclear Weapons

2 Requirements for nuclear nonproliferation.

- *Report on the International Control of Atomic Energy* [The Acheson-Lilienthal Report, March 1946]. <http://www.learnworld.com/ZNW/LWText.Acheson-Lilienthal.html>

3 How has the 'nuclearized world' come about?

- Larkin, Bruce. “Designing Denuclearization: Learning From the 1940s and From Recent Experience.” [16 June 2003]. <http://www.isodarco.it/courses/candriai03/paper/candriai03-Larkin.pdf>
- Note existence of: Natural Resources Defense Council. *Nuclear Weapons Databook*, v 1-5.
- [in class] Video: “Hiroshima: Why the Bomb was Dropped”. ABC News special.
- Recent NRDC tables of nuclear weapon inventories.

4 Technical facts relevant to nonproliferation.

- OTA. *Technologies ...* Chapter 4: “Technical Aspects of Nuclear Proliferation.” pp. 119-195.
- Ferguson, Charles D. and William C. Potter. *The Four Faces of Nuclear Terrorism*. Monterey Institute of International Studies / Center for Nonproliferation Studies and Nuclear Threat Initiative. June 2003. Chapter 3: “Seizing the Bomb”, pp. 46-105.
- Lortie, Bret. “A Do-It-Yourself SIOP,” in *The Bulletin of the Atomic Scientists*, July-August 2001, v 57 n 4, pp. 22-29. <http://tinyurl.com/2embds>

5 Crude nuclear weapons’. Secure borders? transport? or sources? Trade in fissile material.

- Calogero, Francesco. “Nuclear Terrorism: Likely Scenarios, Preventive Actions.” <http://www.learnworld.com/COURSES/P190/ClassroomUse/NuclearTerrorism.pdf> Registered students only.
- Ferguson, Charles D. and William C. Potter. *The Four Faces of Nuclear Terrorism*. Monterey Institute of International Studies / Center for Nonproliferation Studies and Nuclear Threat Initiative. June 2003. Chapter 4: “Making the Bomb”, pp. 106-189.
- von Hippel, Frank. “Reducing Stockpiles and Use of Highly Enriched Uranium,” at <http://www.learnworld.com/COURSES/P190U/ClassroomUse/FrankvonHippel.pdf> Registered students only.
- + Mark, Carson, Theodore Taylor, Eugene Eyster, William Maraman, and Jacob Wechsler. “Can Terrorists Build Nuclear Weapons?” Nuclear Control Institute. n.d. <http://www.nci.org/k-m/makeab.htm>

6 Fissile material control.

- Matthew Bunn, Anthony Wier, and John P. Holdren. *Controlling Nuclear Warheads and Materials*. http://www.nti.org/e_research/cnwm/overview/cnwm_home.asp March 2003. Commissioned by the Nuclear Threat Initiative.

7 Verification. Iraq I.

- UNSC Resolution 687. Via UNSC Resolutions 1991 index page at <http://www.un.org/Docs/scres/1991/scres91.htm>
- [in class] Video: IAEA/UNSCOM inspections 1991-1992.

- [in class] Video: Scott Ritter on US warping of UNSCOM/IAEA inspections].
- Agence France Presse, 6 January 1999, “US Used UNSCOM Function to Spy on Iraq: Ritter”
<http://web.payk.net/maillingLists/iran-news/html/1999/msg00075.html>
- UNSCOM documents: <http://www.un.org/Depts/unscom/> , especially six-monthly reports to the UNSC [through October 1999]. Please **read** the next-to-last report to the Security Council [Seventh Report by the Executive Chairman of the United Nations Special Commission on Iraq, 9 April 1999, which “covers the period from 6 October 1998 to 11 April 1999.”]
<http://www.un.org/Depts/unscom/sres401eng.htm>

8 Verification. Iraq II.

- Cirincione, Joseph, Jessica T. Mathews, and George Perkovich. *WMD in Iraq: Evidence and Implications* (New York: Carnegie Endowment for International Peace, January 2004).
<http://tinyurl.com/3xm3hd>
- Duelfer, Charles. “The Inevitable Failure of Inspections in Iraq,” *Arms Control Today*, September 2002. http://www.armscontrol.org/act/2002_09/duelfer_sept02.asp
- UNSC Resolution 1441. Locate at <http://www.un.org/Docs/scres/2002/sc2002.htm>
- Blix, Hans: Report to the UN Security Council 27 January 2003.
<http://www.learnworld.com/org/TX=2003/TX.025=2003.01.27.UNSC.Blix.html>
<http://www.un.org/Depts/unmovic/Bx27.htm>
- ElBaradei, Mohamed: Report to the UN Security Council 27 January 2003.
<http://www.learnworld.com/org/TX=2003/TX.026=2003.01.27.UNSC.ElBaradei.html>
<http://www.un.org/News/dh/iraq/elbaradei27jan03.htm>
- 2 October 2003. Report of the Iraq Survey Group. Statement by David Kay on the Interim Progress Report on the Activities of the Iraq Survey Group (ISG) Before the House Permanent Select Committee on Intelligence, The House Committee on Appropriations, Subcommittee on Defense, and the Senate Select Committee on Intelligence. <http://tinyurl.com/3771tn>
- +. 30 September 2004. Charles Duelfer. *Comprehensive Report of the Special Advisor to the DCI on Iraq’s WMD*. US Central Intelligence Agency. [A summary of “key findings” and the Report in three volumes. In March 2005 addenda were released. **Only the ‘key findings’ is assigned.** Please skim the volumes and addenda.]. The index page for the report, with links to all sections, and to both pdf and html versions:
https://www.cia.gov/library/reports/general-reports-1/iraq_wmd_2004/index.html

Key findings: http://www.npr.org/documents/2004/cia_wmd/key_findings.pdf or
<http://tinyurl.com/3anz7t>

Volume 1: <http://tinyurl.com/3yhjrn> or http://www.foia.cia.gov/duelfer/Iraqs_WMD_Vol1.pdf
Volume 2: <http://tinyurl.com/2jcxeb> or http://www.foia.cia.gov/duelfer/Iraqs_WMD_Vol2.pdf
Volume 3: <http://tinyurl.com/3axhfd> or http://www.foia.cia.gov/duelfer/Iraqs_WMD_Vol3.pdf

Note for the Comprehensive Report with Addenda:

https://www.cia.gov/library/reports/general-reports-1/iraq_wmd_2004/note.html

Addenda to the Comprehensive Report:

https://www.cia.gov/library/reports/general-reports-1/iraq_wmd_2004/addenda.pdf

9 Charges: US-UK Claims Concerning ‘WMD’ in Iraq Before and During the 2003 Iraq War.

•+ US. Central Intelligence Agency. “Iraq’s Weapons of Mass Destruction Programs.” October 2002.

https://www.cia.gov/library/reports/general-reports-1/iraq_wmd/Iraq_Oct_2002.htm

• Larkin, Bruce. “The Iraq War of 2003 and the Politics of Denuclearization.”

<http://www.gcdd.net/>

•+ “Deadly Comparisons: The Open Questions About Iraq’s Weapons Programs.” *The New York Times*, 13 December 2002. [A convenient summary table.]

• Cirincione, Joseph, Jessica T. Mathews, and George Perkovich. *WMD in Iraq: Evidence and Implications* (New York: Carnegie Endowment for International Peace, January 2004).

<http://www.carnegieendowment.org/publications/index.cfm?fa=view&id=1435>

• Kelly, David. “Only Regime Change Will Avert the Threat.”

<http://observer.guardian.co.uk/politics/story/0,6903,1032773,00.html> March 2003.

10 Cases I. Voluntary abandonments. [a] Argentina-Brazil. [b] South Africa. [c] Libya.

• Albright, David. “South Africa and the Affordable Bomb,” in *Bulletin of the Atomic Scientists*, July/August 1994, v 50 n 4.

• CNS. “Brazil-Argentine Agency for Accounting and Control of Nuclear Materials.”

<http://cns.miis.edu/pubs/inven/pdfs/abacc.pdf>

• CNS. **Brazil Overview.** http://www.nti.org/e_research/profiles/Brazil/index.html

11 Cases II. Abandonment in a context of foreign and international pressure. [d] Ukraine-Kazakhstan-Belarus. [e] Iran. [f] Taiwan.

• Albright, David & Corey Gay. “Taiwan: Nuclear Nightmare Averted,” in *Bulletin of the Atomic Scientists*, January-February 1998, v 54 n 1.

• CNS. Kazakhstan Overview. http://www.nti.org/e_research/profiles/Kazakhstan/index.html

• CNS. Iran Overview. http://www.nti.org/e_research/profiles/Iran/index.html

12 Cases III. Refusal to abandon voluntarily. [g] Israel, [h] India. [i] Pakistan. [j] North Korea.

• **Note:** Cohen, Avner. *Israel and the Bomb*. New York: Columbia University Press, 1998.

• **Note:** Perkovich, George. *India's Nuclear Bomb*. Ithaca: Cornell University Press, 2000.

13 The NPT, NPT Review Conferences, and the Status of the Nuclear Nonproliferation Regime. The 2005 NPT Review Conference. The Fall 2005 UN General Assembly on UN reform, and proposals advanced by the United States.

•+ Final Document, NPT 1995 Review and Extension Conference. NPT/CONF.1995/32 (Part I)

<http://www.un.org/Depts/ddar/nptconf/2142.htm>

• Article VI, §15, Conclusions of the 2000 NPT Review Conference. Final Document of the 2000 Review Conference of the Parties to the Treaty on the Non-Proliferation of Nuclear Weapons. [Within text go to Article VI §15: “The Conference agrees on the following practical steps for the systematic and progressive efforts to implement Article VI of the Treaty on the Non-Proliferation of Nuclear Weapons and paragraphs 3 and 4(c) of the 1995 Decision on “Principles and Objectives for Nuclear Non-Proliferation and Disarmament”.] NPT/CONF.2000/28 (Parts I and II), pp. 20-21.

<http://disarmament2.un.org/wmd/npt/2000FD.pdf>

•+. Analyses and reportage relevant to the 2005 NPT Review Conference. See

<http://www.gcdd.net/GC.DD=RESOURCES.html>

14 Prevention [e.g. Cooperative Threat Reduction]. Control regimes. Unsanctioned coercive measures [e.g. interdiction under the Proliferation Security Initiative]. Surveillance. Intelligence. Prevention of terrorist use of NBCR devices.

•+ Russell D. Howard and James J. F. Forest [eds]. *Weapons of Mass Destruction and Terrorism* (New York: McGraw-Hill, 2007). [Not required, but reference may be made to articles in this reader.]

Part 3. Chemical Weapons.

15 Chemical Weapons. The Aum Shinrikyo attack.

• Amy Smithson, *Ataxia: The Chemical and Biological Terrorism Threat and US Response*, Chapter 3, “Rethinking the Lessons of Tokyo.” <http://www.stimson.org/?SN=CB20020111235>

• NRDC factsheet on selected chemical agents. <http://www.fas.org/cw/cwagents.htm>

• OTA. *Technologies ...* Chapter 2: Technical Aspects of Chemical Weapon Proliferation.

16 Chemical Weapons Convention (CWC). Its challenge procedures, and on-site inspection.

• CWC. http://www.opcw.org/html/db/cwc/eng/cwc_frameset.html [From this page you can download complete treaty or single articles.] Read these excerpts from CWC on challenge inspections: Article IX: Consultations, Cooperation and Fact-Finding, and Article XII: Measures to Redress a Situation and to Ensure Compliance, Including Sanctions, and Part X Challenge Inspections Pursuant to Article IX.

Part 4. Biological Weapons

17 Biological and Toxin Weapons. The ‘anthrax attack’.

- OTA. *Technologies ...* Chapter 3: Technical Aspects of Biological Weapon Proliferation.

- NRDC factsheet on selected biological agents.
<http://www.fas.org/biosecurity/resource/agents.htm>

- Heyman, David. "Lessons from the Anthrax Attacks: Implications for U.S. Bioterrorism Preparedness." A Report on a National Forum on Biodefense, organized by the Center for Strategic and International Studies and the Defense Threat Reduction Agency. April 2002. A redacted [censored] version, released in 2004, is at
<http://www.fas.org/irp/threat/cbw/dtra02.pdf>

18 The Biological (Bacteriological) and Toxin Weapons Convention (BWC). Enforcement protocol debate.

- BWC □ <http://www.opbw.org/convention/conv.html>

- + Guthrie, Richard. "Rising Out of the Doldrums: Report on the BWC Review Conference." *Disarmament Diplomacy*, Issue No. 84, Spring 2007.
<http://www.acronym.org.uk/dd/dd84/84bwc.htm>

- + Tucker, Jonathan B. "The BWC New Process: A Preliminary Assessment." *The Nonproliferation Review*, Spring 2004.
<http://cns.miis.edu/pubs/npr/vol11/111/111tucker.pdf>

- Whitehair, Rebecca and Seth Brugger, "BWC Protocol Talks in Geneva Collapse Following U.S. Rejection," *Arms Control Today*, September 2001.
http://www.armscontrol.org/act/2001_09/bwcsept01.asp

- Bailey, Kathleen C, "Why the United States Rejected the Protocol to the Biological and Toxin Weapons Convention." <http://www.nipp.org/Adobe/Bailey%20Protocol.pdf> October 2002.

Part 5. Further Issues, Review and Conclusions.

19 Topics and issues not covered above: [a] CTBT. [b] Degrees of risk and the criterion of 'military significance'. [c] NPT revision? or supplementation? [d] Precursor materials and control regimes. [e] Role of domestic legislation. [f] Non-coercive *unilateral* initiatives. • Methods and procedures.

- Comprehensive Test Ban Treaty [Explanation and text (read at least Articles I, IV, V and VI).]
http://www.ctbto.org/treaty/treaty_text.pdf

20 Political dynamics, challenges, and initiatives. Ongoing initiatives, including [a] missile proliferation, [b] ballistic missile defense [BMD], and [c] space, 'space control', moon and Mars missions, and weaponisation of space.

- OTA. *Technologies ...* Chapter 2: The Proliferation of Delivery Systems.

- James Clay Moltz, "Breaking the Deadlock On Space Arms Control," *Arms Control Today*, April 2002. http://www.armscontrol.org/act/2002_04/moltzapril02.asp

Sources

You can't go wrong by becoming more familiar with these key arms control journals/yearbooks:

Arms Control Today [Arms Control Association]

<http://www.armscontrol.org/act/>

Bulletin of the Atomic Scientists

<http://www.bullatomsci.org/>

Disarmament Diplomacy [Acronym]

<http://www.acronym.org.uk/dd/>

Nonproliferation Review [Monterey Institute of International Studies]

<http://cns.miis.edu/pubs/npr/index.htm>

SIPRI Yearbooks [Stockholm International Peace Research Institute]. Oxford University Press.

[see <http://yearbook2007.sipri.org/>]

Trust and Verify [VERTIC]

<http://www.vertic.org/trustandverify.html>

Verification Yearbook [VERTIC] [see

<http://www.vertic.org/publications/verification%20yearbook.html>]

and by following arms issues in a daily newspaper. A number of organizations and research centers maintain web sites with carefully-reviewed material. See

<http://www.gcdd.net/GC.DD=CENTERS.html>

<http://www.gcdd.net/GC.DD=RESOURCES.html>

and

<http://www.learnworld.com/ZNW/ZNW.Links.html>

and the Web site of the Global Collaborative on Denuclearization Design:

<http://www.gcdd.net/>

which identifies centers, selected sources, and has links to two useful bibliographies, one of which appears as an attachment to this syllabus.

Notices.html

Access to <http://www.learnworld.com/COURSES/P190U/ClassroomUse/Notices.html> is by

login:

password:

when presented with the dialogue box.

Bibliography

Core List:

Arnett, Eric [ed]. *Nuclear Weapons After the Comprehensive Test Ban: Implications for Modernization and Proliferation*. Oxford: Oxford University Press, 1996. A Stockholm International Peace Research Institute volume.

Ball, Desmond and Jeffrey Richelson. *Strategic Nuclear Targeting*. Ithaca: Cornell University Press, 1986.

Bracken, Paul J. *Command and Control of Nuclear Forces*. New Haven: Yale University Press, 1983.

Feiveson, Harold A. et al. [eds]. *The Nuclear Turning Point: A Blueprint for Deep Cuts and De-Alerting of Nuclear Weapons*. Washington: Brookings, 1999.

Gottfried, Kurt and Bruce Blair [eds]. *Crisis Stability and Nuclear War*. New York : Oxford University Press, 1988.

Herken, Gregg. *The Winning Weapon : The Atomic Bomb in the Cold War, 1945-1950*. New York : Knopf: 1980.

Karp, Regina Cowen [ed]. *Security With Nuclear Weapons? Different Perspectives on National Security*. New York: Oxford University Press, 1991.

Karp, Regina Cowen [ed]. *Security Without Nuclear Weapons? Different Perspectives on Non-nuclear Security*. New York: Oxford University Press, 1992.

Reiss, Mitchell. *Bridled Ambition: Why Countries Constrain Their Nuclear Capabilities*, pp. 230-319. Washington: Woodrow Wilson Center Press, 1995.

Sagan, Scott D. *The Limits of Safety: Organizations, Accidents, and Nuclear Weapons*. Princeton: Princeton University Press, 1993.

Simpson, John. *The Independent Nuclear State: the United States, Britain, and the Military Atom*. London: Macmillan, 1986.

US Department of State. [Report on the International Control of Atomic Energy](#). [The Acheson-Lilienthal Report.] March 1946.
[<http://www.learnworld.com/ZNW/LWText.Acheson-Lilienthal.html>]

National Programs:

BRITAIN

Gowing, Margaret. *Britain and Atomic Energy, 1939-1945*. New York: St. Martin's Press, 1964.

Gowing, Margaret, assisted by Lorna Arnold. *Independence and Deterrence. Britain and*

Atomic Energy, 1945-1952. New York: St. Martin's Press, 1974. Two volumes.

CHINA

Lewis, John Wilson and Xue Litai. *China Builds the Bomb*. Stanford: Stanford University Press, 1988.

FRANCE

Duval, Marcel and Yves Le Baut. *L'arme nucléaire française; Pourquoi et comment?* Paris: SPM, 1992.

INDIA

Perkovich, George. *India's Nuclear Bomb*. Ithaca: Cornell University Press, 2000.

ISRAEL

Cohen, Avner. *Israel and the Bomb*. New York: Columbia University Press, 1998.

NORTH KOREA

Reiss, Mitchell, "North Korea: Living With Uncertainty," in Reiss, *Bridled Ambition: Why Countries Constrain Their Nuclear Capabilities*, pp. 230-319. Washington: Woodrow Wilson Center Press, 1995.

SOUTH AFRICA

Albright, David. "South Africa and the Affordable Bomb," in *Bulletin of the Atomic Scientists*, July/August 1994, v 50 n 4.
<http://www.thebulletin.org/issues/1994/ja94/ja94Albright.html>.

SOVIET UNION

Holloway, David. *Stalin and the Bomb*. New Haven: Yale University Press, 1994.

TAIWAN

Albright, David & Corey Gay. "Taiwan: Nuclear Nightmare Averted," in *Bulletin of the Atomic Scientists*, January-February 1998, v 54 n 1.
<http://www.thebulletin.org/issues/1998/jf98/jf98albright.html>.

UNITED STATES

Kaplan, Fred and Martin J. Sherwin. *The Wizards of Armageddon*. New York: Simon and Schuster, 1983.

Other Good Sources:

[Atomic Archive](#). Materials are also available in a [CD-ROM version](#) as well.

Bird, Kai and Lawrence Lifschultz [eds]. *Hiroshima's Shadow* (Stony Creek, Connecticut: The Pamphleteer's Press, 1998),

Craig, Paul P. and John A. Jungerman. *The Nuclear Arms Race : Technology and Society*. New York: McGraw Hill, 1986.

International Association of Lawyers Against Nuclear Arms, International Network of Engineers and Scientists Against Proliferation, and International Physicians for the Prevention of Nuclear War. *Security and Survival: The Case for a Nuclear Weapons Convention*, Cambridge, Massachusetts: IPPNW, 1999. [Includes the Model Convention on the Prohibition of the Development, Testing, Production, Stockpiling, Transfer, Use and Threat of Use of Nuclear Weapons and on Their Elimination.]

Russett, Bruce M. & Bruce G. Blair [intro]. *Progress in Arms Control? Readings from Scientific American*. San Francisco: W.H. Freeman, 1979.

Schwartz, Steven. *Atomic Audit: the Costs and Consequences of U.S. Nuclear Weapons Since 1940*. Washington: Brookings, 1998.

Talbott, Strobe. *Deadly Gambits : the Reagan Administration and the Stalemate in Nuclear Arms Control*. New York: Knopf, 1984.

Talbott, Strobe. *Endgame : the Inside Story of SALT II*. New York: Random House, 1979.

Talbott, Strobe. *The Master of the Game: Paul Nitze and the Nuclear Peace*. New York: Knopf, 1988.

York, Herbert F. [ed]. *Arms Control. Readings from Scientific American*. San Francisco: W. H. Freeman, 1973.

United States. Office of Technology Assessment. *Technologies Underlying Weapons of Mass Destruction*. December 1993. OTA-BP-ISC-115. NTIS order #PB94-126984. GPO stock #052-003-01361-4. http://www.wws.princeton.edu/~ota/disk1/1993/9344_n.html. Chapter 4: "Technical Aspects of Nuclear Proliferation," pp. 119-195.