WEAPONS OF MASS DESTRUCTION: CHEMICAL, BIOLOGICAL, AND RADIOLOGICAL WEAPONS

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Some materials listed below require access to subscription databases. If you cannot gain access, contact your local library for availability. AU students and faculty can contact the Center’s Web Maintainer for a password.

If a file does not open by clicking on the link, right click on the link, copy shortcut and paste into your browser's address bar.

Internet Resources

Air War College: Center for Homeland Defense and Homeland Security Studies.
Available online at: http://homeland.au.af.mil/
Provides links to vast amounts of information on homeland defense and homeland security studies including, federal, state and local resources, along DoD directives and instructions.

Arms Control Association.
Available online at: http://www.armscontrol.org/
This is an authoritative source on arms control. Provides country resources, fact sheets, treaties and current news articles on various programs and policies concerning nuclear, chemical, and biological weapons.

British American Security Information Council (BASIC).
Available online at: http://www.basicint.org/
BASIC is an independent research organization that analyzes government policies and promotes public awareness of defense, disarmament, military strategy and nuclear policies in order to foster informed debate.

Center for Disease Control and Prevention: Frequently Asked Questions about Dirty Bombs.
Available online at: http://www.bt.cdc.gov/radiation/dirtybombs.asp
Center for Nonproliferation Studies. Monterey, CA, Monterey Institute of International Studies, Available online at:  http://cns.miis.edu/
Publications and links to Terrorism, WMD, and Emergency Preparedness.

Provides links and resources to overview of NBC weapons, WMD use and conflict, country profiles of WMD capabilities, delivery systems and range/payload of deployed missiles.

This website contains a summary of typical agents and CBRN devices available to al-Qaida and other terrorist groups.

Central Intelligence Agency. CIA & the War on Terrorism. Available online at:  https://www.cia.gov/news-information/cia-the-war-on-terrorism/index.html
Provides links to latest testimony and publications on WMD issues.

Established by House Resolution 1, the commission address the grave threat that the proliferation of weapons of mass destruction poses to our country. Provides access to hearings, publications and news articles.

Background information on Dirty Bombs and recent articles are presented.

Department of Health and Human Services - Center for Disease Control and Prevention. Available online at:  http://www.bt.cdc.gov/
Provides information on emergency preparedness on bioterrorism, chemical emergencies and radiation emergencies.

Links to websites with information about biological warfare.

Links to websites with information about Chemical Warfare Agents.

Information on types of biological threats and what to do before, during and after the threat.

Information on types of chemical agents and how to prepare before, during and after an attack.

Federal Emergency Management Agency (FEMA). **Disaster Information on Radiological Dispersion Device--"Dirty Bomb"**.
Defines "Dirty Bomb" or "Dirty Nuke" and provides information on protection during such an incident.

**First Response.** Maxwell AFB,
Provides links to vast amounts of military resources on counterproliferation, prevention and preparedness.

Available online at: [http://www.foxnews.com/story/0,2933,76887,00.html](http://www.foxnews.com/story/0,2933,76887,00.html)
This website presents an overview of the general threat of biological, chemical, nuclear and radiological weapons, along with much more specific and detailed information on the history, proliferation, delivery mechanisms and treatment/prevention options for such weapons.

**GeneWatch UK.**
Provides links and resources to current articles and publications on biological weapons.

**Henry L. Stimson Center: Biological and Chemical Weapons**
Available online at: [http://www.stimson.org/topics/biological-chemical-weapons/](http://www.stimson.org/topics/biological-chemical-weapons/)
Site offers information on Biological and Chemical Weapons with access to current research, publications, etc.

**National Institute of Health - Biodefense.**
Available online at: [http://health.nih.gov/topic/Biodefense](http://health.nih.gov/topic/Biodefense)
Provides resources and links to biodefense and bioterrorism.

**Nuclear Threat Initiative.**
Available online at: [http://www.nti.org/e_research/e_index.html](http://www.nti.org/e_research/e_index.html)
Searchable online resource that allows access to the facts about the threats from nuclear, biological and chemical weapons, missile development programs and policies and terrorist activities.

Available online at: [http://handle.dtic.mil/100.2/ADA478296](http://handle.dtic.mil/100.2/ADA478296)
This paper examines the Combating WMD Strategy and the current DoD capabilities to support national strategy. Capability gaps are identified and recommendations are included.

U.S. Food and Drug Administration. **Counterterrorism.**
Available online at: [http://www.fda.gov/EmergencyPreparedness/Counterterrorism/ucm122296.htm](http://www.fda.gov/EmergencyPreparedness/Counterterrorism/ucm122296.htm)
Links to several resources on Counterterrorism such as public health initiatives, food security, anthrax information and biological agents.

U.S. Food and Drug Administration. **The Bioterrorism Act of 2002.**
Available online at: [http://www.fda.gov/oc/bioterrorism/bioact.html](http://www.fda.gov/oc/bioterrorism/bioact.html)
The events of September 11, 2001 reinforced the need to enhance the security of the United States. Congress responded by passing the Public Health Security and Bioterrorism Preparedness and Response Act of 2002 (the Bioterrorism Act), which President Bush signed into law June 12, 2002.
United States Air Force Counterproliferation Center.  
Available online at:  http://cpc.au.af.mil/ 
General information, pictures, organizations and resources are covered.  Center provides assistance to Counterproliferation research and education.  Offers information under separate sections for Nuclear, Radiological, Biological, and Chemical.

United States Department of State - Bureau of International Security and Nonproliferation (ISN).  
Available online at:  http://www.state.gov/t/isn/  
The Bureau of International Security and Nonproliferation (ISN), headed by acting Assistant Secretary Francis C. Record is responsible for managing a broad range of nonproliferation, counterproliferation and arms control functions.  ISN leads U.S. efforts to prevent the spread of weapons of mass destruction (nuclear, chemical, and biological weapons) and their delivery systems.

United States Nuclear Regulatory Commission:  Fact Sheet on Dirty Bombs.  
General information on dirty bombs is provided.

VERTIC - Verification Research, Training and Information Center.  
Available online at:  http://www.vertic.org/  
VERTIC maintains a watching brief over all developments in the verification and monitoring of arms control and disarmament agreements.  VERTIC promotes the development and implementation of effective verification measures for arms control and disarmament treaties, and contributes to the public debate on such issues.

Books

Book call no.:  623.445 A342c

Book call no.:  327.174 A73433

Book call no.:  358.3 A961 2006

Also available online at:  http://rspas.anu.edu.au/papers/sdsc/wp/wp_sdsc_401.pdf  
Book call no.:  355.0217 B187p

Discusses the need in building international partnerships as a central element of U.S. strategy to combat weapons of mass destruction (WMD).

Book call no.: 327.1745 B6153


Book call no.: 363.3253 B6164


Book call no.: 363.32537 B616


Book call no.: 623.4516 B967c 2006


Book call no.: 327.174 B967e


This work presents an overview of Ballistic missile defense initiatives and their attendant technologies with a careful analysis of their existing capabilities and potentialities to make recommendations as to the BMD initiatives that are most likely to provide realistic expectations of useful defense capabilities in the near to mid-term.

Also available online at: http://handle.dtic.mil/100.2/ADA473239

Book call no.: 358.1740973 B985i


Center for the Study of Weapons of Mass Destruction Occasional paper 4. Also available online at: http://handle.dtic.mil/100.2/ADA446692

Book call no.: 327.1745 C331d


Book call no.: 341.735 C5171


The authors follow the trail of panic-inducing anthrax, uncovering events worthy of a spy thriller and concluding that the biggest biochemical threat comes from the government, not terrorists.

Book call no.: 614.561 C672d


Experts in nonproliferation studies examine challenges faced by the international community and propose
directions for national and international policy making and lawmaking.

**Book call no.: 327.1747 C729**


**Book call no.: 615.9005 C731**


**Book call no.: 363.32537 C734p**


**Book call no.: 363.32537 C734w**


**Book call no.: 358.30955 C794i**


**Book call no.: 363.3253 D177b**


**Book call no.: 363.3253 D199a**


**Book call no.: 363.32530973 D199p**


**Book call no.: 363.3253 D199p**


**Book call no.: 355.82 D265n**


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This collection of papers attempts to draw conclusions on the current place of deterrence in international security relations.

Book call no.: 355.0217 D4791


Book call no.: 327.1745 D658c

Offers various short essays such as Biological Weapons and Warfare, Bioterrorism, Chemical Weapons, and Weapons of Mass Destruction. Index provided in volume 2.

Book call no.: R 355.033073 E56


Book call no.: 327.1745 E79m


Book call no.: 363.3253 F451b


Book call no.: 358.303 G239h

Includes a section on Bioterrorism that offers five articles by various authors.

Book call no.: 808.5 v. 79 no. 2


Book call no.: 355.033 G5625

Brings together scholars and policymakers to examine the impact of UN Security Council Resolution 1540 on the bioscientific community, the Chemical Weapons Convention, the IAEA, trade and customs, and counterproliferation initiatives.

Book call no.: 327.1745 G562


Book call no.: 355.0217 G562

Good Bugs, Bad Bugs: A Modern Approach for Detecting Offensive Biological Weapons Research. Washington, Center for Technology and National Security Policy, National Defense University,
Examines the promise and peril behind weapons based on natural or synthetic biochemical compounds meant to cause rapid incapacitation but not death. 
**Book call no.:** 358.3882 I36

**Book call no.:** 363.3497 I59q

**Book call no.:** R 355.81 J33 17th ed. 2004-2005

An authoritative and comprehensive work addressing the threat of weapons of mass destruction (WMD) in the hands of jihadists, both historically and looking toward the future threat environment. 
**Book call no.:** 363.3253 J61

The author offers recommendations on how to best address vulnerabilities in the U.S. transportation system.
Weapons of Mass Destruction: Chemical, Biological, and Radiological Weapons 2010 SM

**Book call no.: 363.32530973 J73b**


**Book call no.: 327.1745 K29c**


**Book call no.: 363.32537 K29b**


**Book call no.: 363.32537 B616**


**Book call no.: 358.38 K75L**


**Book call no.: 363.32537 K86c**


**Book call no.: 956.053 L253a**


**Book call no.: 327.1745 M44b**


**Book call no.: 358.30973 M457w**


**Book call no.: 358.3 M457ca 2007**


**Book call no.: 358.3409 M122s**


**Book call no.: 358.1754 C748m**

This monograph outlines and then applies a four-step process for developing regional approaches to building partner capacity (BPC) to combat WMD. These steps include identifying capabilities and desired end states relative to the WMD threat, working with potential partners, identifying relevant BPC ways and means, and developing a framework to assess the effectiveness of BPC programs and activities.

Also available online at:  http://www.rand.org/pubs/monographs/2009/RAND_MG783.pdf

Also available online at:  http://www.au.af.mil/au/aul/bibs/CBR2010.htm
Also available online at: http://www.nap.edu/books/0309102030/html/  
Book call no.: 623.445 R454

Book call no.: 358.3882 R938b

Book call no.: 363.3253 S243a

This book is a fast-moving account that brings the inevitability of an avian flu epidemic into a fascinating cultural, scientific, and political narrative.  
Book call no.: 636.50896203 S618f

Contains a chapter titled: "Terrorism and the Weapons of Mass Destruction: The Ultimate Fear".  
Book call no.: 363.32516 S656t

In Chemical and Biological Weapons, Edward M. Spiers cuts through the scare tactics and hype to provide a thorough and even-handed examination of the weapons themselves - the various types and effects - and their evolution from World War I to the present.  
Book call no.: 358.3409 S755h

Book call no.: 363.32518 S849w

Presents an authoritative overview of the challenges that the United States faces in the global environment: Global terrorism, WMD proliferation, homeland defense, conflicts in unstable regions, engagement of other major powers, relations with allies and partners, and defense transformation.  
Chapter 3: Combating WMD Threats, by Charles D. Lutes, pp 61-86.  
Book call no.: 355.033573 S8983

Describes strategic culture and its value as a methodological approach to the study of international relations.  
Book call no.: 355.0217 S8984

Book call no.: 363.32537 T328
*Book call no.: 358.3882 T328*

*Book call no.: 327.1745 T334n*

The author makes clear that we are at a crossroads that could lead either to the further spread of chemical weapons or to their ultimate abolition. 
*Book call no.: 358.3409 T892w*

*Book call no.: 327.1747094 U58*

*Book call no.: 358.30956 U58r*

*Book call no.: 355.033573 U582i*

Also available online at: [http://purl.access.gpo.gov/GPO/LPS81970](http://purl.access.gpo.gov/GPO/LPS81970) 
*Book call no.: 363.3253 U581a*

Also available online at: [http://purl.access.gpo.gov/GPO/LPS72768](http://purl.access.gpo.gov/GPO/LPS72768) 
*Book call no.: 363.3253 U581sa*

Also available online at: [http://frwebgate.access.gpo.gov/cgi-bin/useftp.cgi?IPaddress=162.140.64.183&filename=45110.pdf&directory=/diska/wwais/data/110_senate_hearings](http://frwebgate.access.gpo.gov/cgi-bin/useftp.cgi?IPaddress=162.140.64.183&filename=45110.pdf&directory=/diska/wwais/data/110_senate_hearings) 
*Book call no.: 358.3 U581t*

Also available online at: [http://purl.access.gpo.gov/GPO/LPS114079](http://purl.access.gpo.gov/GPO/LPS114079) 
*Book call no.: 355.033073 U584cc*
Also available online at: http://www.defenselink.mil/pdf/NMS-CWMD2006.pdf
Book call no.: 358.3 N277

Book call no.: 358.303 W362

Book call no.: 358.3482 W579o

A comprehensive overview of what scientists and scholars know about WMD terrorism and clears away many of the misconceptions that surround this topic.
Book call no.: 363.3253 W836

Book call no.: 327.1747 W913n

Former nuclear weapons designer discusses the increasing threat of weapons of mass destruction and offers ideas on how to construct the best practical world consistent with our human nature.
Book call no.: 303.6 Y78e

Documents

Also available online at: http://purl.access.gpo.gov/GPO/LPS88510
Doc. call no.: M-U 41026-173 no. 08-285T

Also available online at: http://www.gao.gov/new.items/d09996t.pdf
Doc. call no.: M-U 41026-173 no. 09-996T

Also available online at: http://www.gao.gov/new.items/d09996t.pdf
Doc. call no.: M-U 41026-173 no. 09-996T

Also available online at: http://opencrs.com/document/RL33432
Chemical, Biological, Radiological, Nuclear, and High-Yield Explosives Consequence Management. Washington, Office of the Chairman, Joint Chiefs of Staff, 2006. 1 vol.
Also available online at: http://handle.dtic.mil/100.2/ADA457099

Doc. call no.: M-U 40592 no. 3-41

Also available online at: http://www.gao.gov/new.items/d09927t.pdf

Doc. call no.: M-U 41026-173 no. 09-927T

Also available online at: http://opencrs.com/document/RL33907/

Doc. call no.: M-U 42953-1 no. 07-RL33907

Also available online at: http://opencrs.com/document/RL31555

Doc. call no.: M-U 42953-1 no. RL31555

Also available online at: http://opencrs.com/document/RL30699

Doc. call no.: M-U 42953-1 no. RL30699

Also available online at: http://purl.access.gpo.gov/GPO/LPS113763

Doc. call no.: M-U 40607-226

Also available online at: http://purl.access.gpo.gov/GPO/LPS70677

Doc. call no.: M-U 41026-173 no.06-756T

Also available online at: http://opencrs.com/document/RL32891

Doc. call no.: M-U 42953-1 no. RL32891

Also available online at: http://opencrs.com/document/RL33342

Doc. call no.: M-U 42953-1 no. 07-RL33342

Also available online at: http://opencrs.com/document/RL31559

Also available online at: [http://www.gao.gov/new.items/d07113.pdf](http://www.gao.gov/new.items/d07113.pdf)

**Doc. call no.: M-U 41026-173 no.07-113**


Also available online at: [http://www.gao.gov/new.items/d08366.pdf](http://www.gao.gov/new.items/d08366.pdf)

**Doc. call no.: M-U 41026-173 no. 08-366**


Also available online at: [http://purl.access.gpo.gov/GPO/LPS70779](http://purl.access.gpo.gov/GPO/LPS70779)

**Doc. call no.: M-U 41026-173 no.06-592**


Also available online at: [http://www.gao.gov/new.items/d07143.pdf](http://www.gao.gov/new.items/d07143.pdf)

**Doc. call no.: M-U 41026-173 no.07-143**


Also available online at: [http://www.gao.gov/new.items/d07113.pdf](http://www.gao.gov/new.items/d07113.pdf)

**Doc. call no.: M-U 41026-173 no.07-113**


Also available online at: [http://www.gao.gov/cgi-bin/getrpt?GAO-10-204](http://www.gao.gov/cgi-bin/getrpt?GAO-10-204)

**Doc. call no.: M-U 41026-173 no. 10-204**


Also available online at: [http://www.gao.gov/new.items/d10123.pdf](http://www.gao.gov/new.items/d10123.pdf)

**Doc. call no.: M-U 41026-173 no. 10-123**


Also available online at: [http://www.gao.gov/new.items/d06150.pdf](http://www.gao.gov/new.items/d06150.pdf)

Doc. call no.: M-U 41026-173 no. 09-43


Doc. call no.: M-U 42953-1 no. RL31957

Documents (Student Research)


Doc. call no.: M-U 39080-537 A628a


Doc. call no.: M-U 39080-537 B692i

Bolluyt, Michael D. Improving the Chemical Biological Defense Program. Carlisle Barracks, PA, U.S. Army War College, 2009. 30 p. Addresses Chemical Biological Defense Program's (CBDP) improvements that the Department of Defense can implement with minimal difficulty and at no significant cost. Also available online at: http://handle.dtic.mil/100.2/ADA498051

Doc. call no.: M-U 39080-537 B692i

Briggs, Darryl J. Response to a Chemical Incident or Accident: Who Is in Charge? Norfolk, VA, Joint Forces Staff College, Joint Advanced Warfighting School, 2007. 68 p. Also available online at: http://handle.dtic.mil/100.2/ADA468875

Doc. call no.: M-U 36185-37 B854r


Doc. call no.: M-U 36185-37 B854r

Eack, Kevin D. Securing Nuclear and Radiological Material in the Homeland. Monterey, CA, Naval Postgraduate School, 2007. 83 p. This research reviews the present statutory and regulatory scheme for NRAM, and outlines a dramatic new approach that will better ensure our homeland security. Also available online at: http://handle.dtic.mil/100.2/ADA467101

Doc. call no.: M-U 42525 E11s

Foo, Kong Pin Gilbert. Exploring First Responder Tactics in a Terrorist Chemical Attack. Monterey, CA, Naval Postgraduate School, 2008. 196 p. This study analyzes the acute phase of an emergency response to a terrorist bomb and chemical attack in
an urban commercial setting.
Also available online at:  http://handle.dtic.mil/100.2/ADA494195

This paper identifies open strategic issues needing immediate attention and provides recommendations for a unified, comprehensive strategy to address the security concerns within the U.S. Water infrastructure.
Also available online at:  http://handle.dtic.mil/100.2/ADA449651

Also available online at:  http://handle.dtic.mil/100.2/ADA457274

This student paper provides a better understanding of the worried well response.  It provides a closer examination of the cases and shows that the worried well response is neither irrational nor characterized by panic.  Instead when examined from informational, medical, psychological perspectives, the worried well response is largely a rational reaction.  It also provides a strategy to mitigate the worried well response in CBRN events.

This paper identifies current plans, policies, initiatives and capabilities available at the local, state and federal levels in combating agricultural terrorism.

**Periodicals**


Stresses that a radiological dispersal devices (RDD) attack could lead to both domestic and international trade damage in the form of reduced trade and trade relations, job losses and possibly reduced human productivity.
Also available online at:  http://proquest.umi.com/pqdweb?did=1018780251&sid=3&Fmt=4&clientld=417&RQT=309&VName=PQD
Also available online at: [http://proquest.umi.com/pqdlink?did=1525731961&sid=4&Fmt=3&clientId=417&RQT=309&VName=PQD](http://proquest.umi.com/pqdlink?did=1525731961&sid=4&Fmt=3&clientId=417&RQT=309&VName=PQD)

Discusses the destruction of a chemical weapons plant at Shchuch'yе in Russia and technical expertise provided by the U.S. Government in the form of advisers.
Also available online at: [http://proquest.umi.com/pqdlink?did=1689106601&sid=3&Fmt=3&clientId=417&RQT=309&VName=PQD](http://proquest.umi.com/pqdlink?did=1689106601&sid=3&Fmt=3&clientId=417&RQT=309&VName=PQD)

Also available online at: [http://proquest.umi.com/pqdweb?did=1342243121&sid=1&Fmt=3&clientId=417&RQT=309&VName=PQD](http://proquest.umi.com/pqdweb?did=1342243121&sid=1&Fmt=3&clientId=417&RQT=309&VName=PQD)

International disease surveillance was a main focus of the annual Biological Weapons Convention Meeting of Experts in Geneva August 24-28. The meeting included the official launch of the European Union's Joint Action in Support of the Biological Weapons Convention, which seeks to assist states-parties in the production of confidence-building measures and promote the universality of the convention.
Also available online at: [http://proquest.umi.com/pqdweb?did=1870627321&sid=1&Fmt=3&clientId=417&RQT=309&VName=PQD](http://proquest.umi.com/pqdweb?did=1870627321&sid=1&Fmt=3&clientId=417&RQT=309&VName=PQD)

Discusses Al Qaeda's possible development of chemical, biological and radiological weapons.
Also available online at: [http://proquest.umi.com/pqdweb?did=1481337601&sid=1&Fmt=3&clientId=417&RQT=309&VName=PQD](http://proquest.umi.com/pqdweb?did=1481337601&sid=1&Fmt=3&clientId=417&RQT=309&VName=PQD)

Also available online at: [http://proquest.umi.com/pqdlink?did=1302453031&sid=1&Fmt=3&clientId=417&RQT=309&VName=PQD](http://proquest.umi.com/pqdlink?did=1302453031&sid=1&Fmt=3&clientId=417&RQT=309&VName=PQD)

Discusses UN Resolution 1540 mandating the governments institute and enforce "appropriate, Effective" laws, border controls, export controls, and physical security measures to make it tougher for terrorists to arm themselves with biological, chemical, and nuclear weapons or the means to deliver such weapons.
Also available online at: [http://proquest.umi.com/pqdweb?did=1280564651&sid=1&Fmt=3&clientId=417&RQT=309&VName=PQD](http://proquest.umi.com/pqdweb?did=1280564651&sid=1&Fmt=3&clientId=417&RQT=309&VName=PQD)

Boland, Rita. *Biological Sensor Detects Hazards.* **Signal** 60:29-31 April 2006.
Also available online at: [http://proquest.umi.com/pqdweb?did=1025466191&sid=2&Fmt=4&clientId=417&RQT=309&VName=PQD](http://proquest.umi.com/pqdweb?did=1025466191&sid=2&Fmt=4&clientId=417&RQT=309&VName=PQD)

U.S. policymakers are urged to revise current policies on Biological warfare.
Also available online at: [http://proquest.umi.com/pqdweb?did=1154271071&sid=1&Fmt=3&clientId=417&RQT=309&VName=PQD](http://proquest.umi.com/pqdweb?did=1154271071&sid=1&Fmt=3&clientId=417&RQT=309&VName=PQD)

Discusses way to detect underground facilities that house chemical and biological weapons.
Also available online at:  http://docs.newsbank.com/

Also available online at:  http://proquest.umi.com/pqdlink?
did=1732111481&sid=2&Fmt=3&clientld=417&RQT=309&VName=PQD

The article discusses proposed changes of the latest QDR to include an emphasis on unmanned aerial
vehicles for persistent surveillance and ways to deal with weapons of mass destruction.

The article presents an interview with Sebastian Meyer-Plath, managing director and Vice President of
Bruker Daltonics GmbH for chemical, biological, radiological and nuclear (CBRN) detection.
Also available online at:  http://search.ebscohost.com/login.aspx?
direct=true&db=aph&AN=23484043&site=ehost-live

Chertoff, Michael.  *Confronting Biological Threats to the Homeland*.  Joint Force Quarterly No. 51:8-12
October 2008.
Also available online at:  http://proquest.umi.com/pqdweb?
did=1559946081&sid=1&Fmt=6&clientld=417&RQT=309&VName=PQD

Choffnes, Eileen R.  *The Breadth of Biological Threats in Much Broader and Commonly Thought and Will
The article focuses on biological technological advancement in the world of science.
Also available online at:  http://search.ebscohost.com/login.aspx?
direct=true&db=aph&AN=22149146&site=ehost-live

Chyba, Christopher F.  *Biotechnology and the Challenge to Arms Control*.  Arms Control Today 36:11-17
October 2006.
Also available online at:  http://proquest.umi.com/pqdlink?
did=1154271061&sid=3&Fmt=3&clientld=417&RQT=309&VName=PQD

Cimbala, Stephen J.  *Strategic Reassurance in Proliferation-Permissive World: American and Russian
The article focuses on the paradoxes which resulted from the conjunction of international system dynamics,
issue reappraisal, and proliferation hyperdrive between the U.S. and Russia.  It claims that a permissive
environment has been preserved for nuclear arms control despite their security relationship since March
2003.
Also available online at:  http://search.ebscohost.com/login.aspx?
direct=true&db=aph&AN=23024107&site=ehost-live

Clevestig, Peter and Hart, John.  *Spores of War: Biosecurity in the US*.  Jane’s Intelligence Review
Discusses the US anthrax letters of September and October 2001 and the techniques used during
the investigation.  These techniques can also be used to assess the challenges facing the potential use of
bioterrorism.

Also available online at: http://docs.newsbank.com/

The article evaluates several chemical detection equipments including colorimetric tubes from Draeger and RAE Systems, lightweight chemical agent detector by Sensor Research and Development Corp. and M8 & M9 chemical agent detection papers.
Also available online at: http://search.ebscohost.com/login.aspx?direct=true&db=aph&AN=23484042&site=ehost-live

Also available online at: http://proquest.umi.com/pqdweb?did=1141659611&sid=1&Fmt=3&clientId=417&RQT=309&VName=PQD

The article presents information on nuclear, biological, and chemical (NBC) weapons of mass destruction (WMD), which have been declared as a big threat to the security of all nations by the United Nations (UN), the United States (U.S), the European Union (EU), and the G-8. The EU and the U.S. entered a partnership for the non-proliferation of WMD in 2004.
Also available online at: http://search.ebscohost.com/login.aspx?direct=true&db=mth&AN=26660726&site=ehost-live

The article presents an edited version of a speech by Australian Minister for Foreign Affairs Alexander Downer, delivered during the launching of the government paper "Weapons of Mass Destruction: Australia's Role in Fighting Proliferation" at the National Museum of Australia in Canberra on October 10, 2005. He discusses the risks that terrorists could acquire weapons of mass destruction. He raises the issue regarding the need to be mindful of the increasing number of countries pursuing their legitimate right to tap nuclear power and master nuclear technology.

Also available online at: http://proquest.umi.com/pqdlink?did=1732111471&sid=2&Fmt=3&clientId=417&RQT=309&VName=PQD

This article addresses the security challenge posed by laboratory research involving genetic modification of microorganisms that could be applied for both benign and malevolent purposes.
Also available online at: http://search.ebscohost.com/login.aspx?direct=true&db=mth&AN=44032173&site=ehost-live

The article discusses the training received by Airman in the U.S. in regards to chemical weapons.
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First, the concept of verification in the arms control and disarmament field has been considerably broadened since the end of the Cold War, not just due to that great sea-change but to the events of September 11, 2001; the perceived rise of global terrorism; and the exposure of Pakistani scientist Abdul Qadeer Khan's nuclear smuggling network.


The article reports on the development of the CBRN Unmanned Ground Reconnaissance Advanced Concept Technology Demonstration (ACTD) program in the U.S. The program provides an expedited method of evaluating mature technology in an operational scenario to determine if it meets operational needs. It aims to address warfighting shortfalls and the present limitations of manned chemical, biological, radiological, and nuclear (CBRN) reconnaissance.


The article discusses the implications of the growing rate of nations that possess land-attack cruise missiles (LACMs). The use of LACMs are considered less expensive than missile defenses and in combination with existing ballistic missile arsenals, it makes safeguarding against all types of missile threats a frustrating challenge. Cruise missiles are considered the primary problem of proliferation of missiles capable of delivering weapons of mass destruction. Reasons of several countries for being interested in such offensive options are cited.

The author talks about the United States promotion on voluntary measures to curb the development of state biological weapons programs.

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The authors explore the effectiveness of the Proliferation Security Initiative (PSI), an interagency collaborative between intelligence, law enforcement, diplomatic, and military services from the United States, Great Britain, Italy and Germany whose goal is to seek out weapons of mass destruction (WMD) in hostile governments.

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Discusses plans that can be implemented at Air Force installations to reduce the impact of biological events.
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The article discusses the equipment that military units and local first responders employ to detect and neutralize toxic agents.
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The author evaluates the counter-proliferation efforts against the nuclear facilities of Iran and North Korea.
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The article reports on the concern by defense experts regarding the fight against weapons of mass destruction in the U.S.


The article reports on the recommendations of the 2006 Quadrennial Defense Review (QDR) in the U.S.
The following are the recommendations of the QDR to the U.S. Department of Defense: strengthen special forces, acquire more unmanned aerial vehicles, expand efforts to counter weapons of mass destruction and expand the military's ability to attack anywhere in the world quickly.

The article explores the legal and illegal dynamics of the international conventional arms trade, weapons transfers and proliferation in Africa. An overview of the international arms trade in relation to the continent is provided. It considers the instruments and mechanisms established to control these arms transfers, and it examines the link between arms transfers, peace, and the continental integration in Africa. According to the
article, the illicit arms trade generally involves transactions where one or more of the parties operates in violation of an arms embargo.

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The author provides details on the debate of what kind of protective suits and masks the ground forces need.
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The article focuses on the underperformance of chemical and biological units of the U.S. Army.
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The article focuses on the issue of chemical, biological, radiological, and nuclear (CBRN) defense of military forces in combat operations.
Also available online at:  http://search.ebscohost.com/login.aspx?direct=true&db=aph&AN=24272847&site=ehost-live

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The article reports on the defense against biological, chemical, and radiological attack. The Defense Advanced Research Projects Agency (DARPA) assessed the approach through a number of programs. The approach is a priority to protect military troops and their equipment from attacks of chemical and biological weapons which would have a profound impact on military missions.  

The Air Force C-CBRNE Council chartered an ETE Working Group co-chaired by Headquarters Air Force A3SC and Headquarters Air Education and Training Command A8PX. The working group’s mission is to identify and codify the appropriate knowledge, skills and abilities (KSAs) needed to conduct air and space operations in contaminated environments.  
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According to this view, the alliance would be well advised to concentrate on successfully mastering key challenges, such as fostering stability in Afghanistan, and avoid getting distracted by secondary and potentially divisive issues, such as arms control and nonproliferation.  
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Russia and the United States are by far the biggest possessors of chemical weapons. Since the CWC entered into force, member states have declared about 70,000 tons of chemical weapons, with Russian and U.S. stockpiles accounting for more than 95% of that total.  
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Discusses some major new impetus to multilateral nonproliferation and disarmament efforts needed to promote a successful result at the rapidly approaching 2010 review conference.  
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Also available online at: http://proquest.umi.com/pqdlink?did=1378723791&sid=3&Fmt=3&clientId=417&RQT=309&VName=PQD


Discusses a tabletop exercise called Code Silver, which gives installation commanders and local communities a clear idea of their strengths and weaknesses in controlling the effects of a biological terrorist attack.
Also available online at: http://proquest.umi.com/pqdweb?did=1083737451&sid=4&Fmt=3&clientId=417&RQT=309&VName=PQD

Evans has held a long career in international security and arms control issues, as Australia’s foreign minister during 1988-1996 and as the current president and chief executive officer of the International Crisis Group, a position he has held since 2000.
Also available online at: http://proquest.umi.com/pqdlink?did=1689106531&sid=1&Fmt=3&clientId=417&RQT=309&VName=PQD

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Discusses Israel's nuclear reactor at Dimona and the consequences of its existance.
Also available online at: http://proquest.umi.com/pqdlink?did=1497350561&Fmt=7&clientId=417&RQT=309&VName=PQD

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Reeves, Stephen V. *Emerging Technologies and Capabilities for CBRN (Chemical, Biological, Radiological and Nuclear) Defence.* Military Technology 32, no. 11:22-28+ 2008.
Discusses the measures being undertaken by the U.S. government in countering potential threat of Chemical, Biological, Radiological and Nuclear weapons. It states that the country has fielded capabilities which include toxic industrial chemical detectors, protective equipment, and reconnaissance vehicles. It adds that the country is in the process of developing broad-spectrum technologies that will integrate into a system of systems to counter evolving threat.
Also available online at: http://search.ebscohost.com/login.aspx?direct=true&db=aph&AN=35691734&site=ehost-live

The article reports on the U.S.'s weapons program. The administration thinks that bunker-busters would deter proliferators, by making it harder to hide nuclear, chemical or biological weapons.
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This article focuses on the goal of the U.S. Army Chemical Materials Agency to eliminate the stockpile of chemical weapons in the U.S. since 1990.
Also available online at: http://search.ebscohost.com/login.aspx?direct=true&db=mth&AN=24958364&site=ehost-live


Tracing the evolution of Russian thinking from the days of Stalin, through the arms control boom of the 1970s, to the reforms of Gorbachev and the Soviet disintegration, this article flushes out the Soviet perspective on issues such as strategic stability and the use of treaties to slow an adversary's technological advancement. Further, this article relates the influence of Soviet opinion to current-day thinking in the Russian Federation (RF). As the U.S. and the RF prepare to tackle tough issues, like the expiration of the Strategic Arms Reduction Treaty in 2009, these viewpoints become particularly salient.
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did=1644397861&sid=1&Fmt=3&clientId=417&RQT=309&VName=PQD


Article focuses on the efforts by the U.S. government to develop countermeasures against biological terrorism attacks.

The article provides information on the use of mustard gas during World War I.