Guide to the Sussex Harvard Information Bank

Origin, purpose and scope

Otherwise known as SHIB, the Sussex Harvard Information Bank on Chemical/Biological-Warfare Armament and Arms Limitation is a component of the Harvard Sussex Program (HSP) that charitable foundations have long been supporting at Harvard and Sussex universities so as to promote scholarly inputs into the formation of public policy regarding chemical and biological weapons (CBW). SHIB is the product of a concerted and continuing effort to acquire up-to-date information about CBW and to make that information available not only to HSP staff and associates but also (within obvious limits) to the wider community. It gives strength to the research, teaching and wider outreach activities of HSP.

Possession of CBW is nowadays prohibited by international law binding upon the great majority of states. HSP looks for ways of preventing any resurgence of CBW through governance of applicable technology. So SHIB exists in order to facilitate and empower policy-orientated research in the field of CBW disarmament, technology governance and associated international regime formation and implementation. The secracies and sensitivities associated with CBW have always restricted the information available for such research. The design and content of SHIB are meant as countermeasures. This objective directs the emphases in SHIB's holdings and in the way in which the holdings are organized. Thus, there is a particular emphasis on acquisition of up-todate political information, a current-awareness function that is also expressed in the News Chronology section of the HSP quarterly journal, The CBW Conventions Bulletin, founded in 1988 (as Chemical Weapons Convention Bulletin until its renaming in 1997). Scientific, technical, military and historical information also enters SHIB.

SHIB started out as the repository of published and unpublished documentation on CBW accumulated since the early 1960s by Matthew Meselson and Julian Perry Robinson, the founding co-directors of HSP. By the late 1980s, when HSP was able to take on additional staff, SHIB was organised into the basic structure that it has today. Most of it is held in the Freeman Centre at the University Sussex where it now occupies nine bays of archive stacks and other shelving, about 230 metres in all. Certain parts of the collection are held at Harvard University. SHIB holdings comprise a wide variety of source types: books, newspaper and journal articles, parliamentary reports, scientific papers, videos, specialist reviews, transcripts, English-language translations, correspondence, etc, etc, many tens of thousands of items in all. They are organized so that people outside HSP, as well as those within it, can gain access to CBW-related information. Development, aimed particularly at improving remote access via the internet, is in progress. A constant effort is made to adapt SHIB to suit the often-changing requirements of researchers in the field. Its holdings are continually expanding, under several influences:

- Systematic monitoring and scanning of information sources by HSP staff, associates and correspondents at home and abroad.
- Release into the public domain of relevant state papers.
- Deposit of private papers by outside donors.
- HSP research projects.

Eclectic in its sources and updated all the time, SHIB is a living archive.

Structure

SHIB holdings are organized in such a way that a degree of collation, which is first aid against information-shortage, misinformation and disinformation, is automatically applied. This is done by copying and filing incoming documentation into a fine-grained storage system organized by date and/or by subject and also, in some particular cases, by author or originating agency. Another purpose of this scheme is to enable browsing by visiting researchers. In some areas of SHIB more active methods of collation are also applied, through the use of registers and computerized data-bases. These greatly facilitate specialized research.
Within the SHIB storage system, there are some 3000 separate storage locations, each one bearing a unique alphanumerical label. These labels, which serve as locators for each stored information-item and are inscribed on each such item, also serve as subject-matter descriptors in the computerized records of stored documentation-items. A single stored information-item may bear more than one such descriptor. In hard-copy form it will generally be stored in only one location but with duplicates, or copies of its title page, being held in the other possible locations.

Three computerized data-bases are being developed and maintained so as to increase the usefulness of SHIB. The most advanced is the CBW Events Data-Base, which is a systematic record of events dating back to 1987 in and around the world of CBW. The ‘News Chronology’ section of each issue of The CBW Conventions Bulletin is excerpted from it. Each record in the database -- one record per event or cluster of associated events, currently about 16,000 in all -- is fully referenced with citations of SHIB-held documentation. Each record is held in two forms: one in MS Word, the other in Bekon ideaList, which is a text-oriented data management programme that enables different types of search. The data-base is continually updated, corrected as necessary, and added to retrospectively as new documentation comes in. The current plan is to extend it backwards in time (to 1945) as well as forwards.

The second database is a continually updated register of substantial new publications in the field. It is called the CBW Publications Data-Base. Its records, of which there are now about 5,000, are also in two forms, one of which is in MS Word in order to support the ‘Recent Publications’ section of the Bulletin. The other is in EndNote, so as to facilitate searching and manipulation.

Every three months, the latest additions to the Events and Publications data-bases, including prior records that have been introduced, revised or expanded from late-received information or that were for some reason excluded from the Bulletin, are published in hard-copy form as the HSP CBW Chronicle. This is done in a small edition for close HSP collaborators. The Events part of each Chronicle, in contrast to the corresponding News Chronology section of each Bulletin, includes detailed identification of sources.

The third data-base, still at an early stage of construction, is the CBW Archives Data-Base. SHIB has substantial holdings of photocopies of British, American and other state papers addressing CBW matters, mostly copied by collaborating researchers from national archives or, in the case of some of the American ones, obtained under the Freedom of Information Act. The research value of such documentation is very much dependent upon its indexing; the bibliographical records initially used in SHIB for this purpose were manual ones on index cards. These records, which are necessarily more detailed than those of the bibliographical data-base, are now being replaced by computerized records, again using Bekon ideaList software. As this digitization proceeds, the data-base is becoming an increasingly powerful tool for further archival and other research.

**Storage principles**

The initial sorting of SHIB holdings and newly acquired documentation is chronological: everything in SHIB is filed first in date order of publication or of initial distribution unless there is some good reason for not doing so (e.g., that an item is of a confidential nature, or that its date seems to add nothing obviously useful to its information content), in which case it goes directly into the subject or source-type files. Material in the chronological files is then copied, as appropriate, into the non-chronological files, or else is transferred there with only a copy of its title page retained in the chronological files. On whatever remains of it in the chronological files, an entry is made of its new location (or locations if more than one copy has been made). The chronological files thus serve an indexing function for SHIB as a whole. Items too bulky to go into SHIB files, such as books, are boxed or shelved, their whereabouts recorded on filed copies of their title-pages. The chronological files are stored on shelves, in loose-leaf binders, currently
about 550 of them.

An increasing proportion of incoming SHIB items is now in electronic form, and quite soon we expect that incoming hard-copy items will represent the minor proportion. This is a trend that we are encouraging, even to the point of scanning certain hard-copy SHIB items into searchable/retrievable electronic storage. In the future, electronic items will be downloaded as hard copy only if there are good grounds for storing them in the subject or source-type files of SHIB. The principal reason for doing so is in order, again, to facilitate constructive browsing by SHIB-users.

The system of non-chronological – subject and source-type -- files that SHIB employs needs to be fine-grained and expansible if it is to work properly. To this end the files are ordered within nine primary storage categories labelled A through I, each one subdivided into secondary categories:

- **A  CBW Technology & Applicable Science**
  - A1 Toxic agents
  - A2 Infective agents
  - A3 Applicable technique
  - A4 Emergent CBW technology
  - A5 CBW equipments

- **B  Military or Other Operational Aspects of CBW**
  - B1 General articles on CBW
  - B2 Historical
  - B3 Utility of CBW weapons
  - B4 CBW intelligence
  - B5 Consequences of CBW
  - B6 CBW threat reduction

- **C  Countries and Alliances** (their CBW policies, forces, laws, &c)
  - C1 Overview
  - C2 Intergovernmental organisations
  - C3 Countries

- **D  Conflicts**. Each of the following secondary categories comprises a collection of conflict files, each one including material on a particular conflict in which CBW have been used or alleged to have been used. Each such file may also include background material on the conflict itself.
  - D1 Pre World War I
  - D2 World War I
  - D3 Inter World War period
  - D4 World War II
  - D5 1945-60
  - D6 Since 1960

- **E  CBW Arms Control & disarmament**
  - E1 Existing anti-CBW regime
  - E2 Future anti-CBW regime

- **F  Special Topics**. This is a convenience category: everything filed within it could also be filed in categories A-E. Its subcategories correspond to specific topics under active HSP study, that study requiring information otherwise stored in several different places:
  - F1 New history
  - F2 Psychological, societal and cultural factors
  - F3 Human exposures to CBW agents
  - F4 The Sverdlovsk anthrax
  - F5 The Yellow Rain

Guide to the Sussex Harvard Information Bank
F6 Elimination of CBW-weapons capability
F7 Ethnic weapons
F8 Poisoned arrows etc
F9 The chemical industry
F10 CBW business
F11 Leads
F12 Spinoff and spinon
F13 CW aspects of Kuwait crisis
F14 Military herbicides
F15 Disabling chemicals
F16 Criminalization of CBW
F17 Conspiracies
F18 Organized crime and CBW

G Related Topics. This category is for storing information-items not expressly on CBW but nonetheless helpful to have in SHIB. It provides, in effect, a special reference collection useful for exploiting information held in earlier categories. Its primary subcategories correspond to main categories A-I:

GA Scientific Topics
GB Military Topics
GC Country Topics
GD Conflict Topics
GE Arms-control Topics
GF Special Topics
GH Documentary sources
GI Author files

H Documentary Sources. This category is chiefly for the storage of documentary and unpublished source materials on CBW matters. The subcategories are mostly by source-type, not subject matter. The category is also used for filing source-materials, including published ones, by originating agency, where that seems useful.

H1 League of Nations and United Nations document series
H2 Other intergovernmental document series
H3 Material from archives
H4 US Congressional oversight of Defense spending
H5 Other governmental papers

Subcategories H6, H7, H8 and H9 are reserved.

I Author files. This category is for the storage of published papers on CBW matters by particular authors, with subfiles for each author, currently 125 of them.

Categories J, K, L, M, N, O, P and Q are reserved.

Associated with each of the subcategories outlined above for Categories A-H are hierarchies of subsidiary files, each with a unique alphanumerical label denoting its content. Subsidiary subcategories are created -- i.e. new files opened -- whenever a higher subcategory becomes too heavily populated with information-items to be convenient for research purposes or manageable for storage purposes. As the collection grows, new subfiles may be split out from the existing files. Especially in category E, which is still in a primitive state, the still-continuing development work may lead to the merging of certain subfiles and then different disaggregations of them. Listed below is SHIB Fine Structure, which displays all the files and subfiles in the current structure.
SHIB fine structure

** indicates new item since last edition, not yet in a labelled ledbury.
# indicates a locator used only in SHIB/Harvard.

A: CBW TECHNOLOGY & APPLICABLE SCIENCE

SUBCATEGORY A1: TOXIC AGENTS

A1.1 CW aspects
A1.1.1 Collated data on CW agents
A1.1.2 Reviews
A1.1.3 Computer-search printouts
A1.2 Sensory irritants
A1.2.1 Mechanisms of irritancy
A1.2.2 Chemistry
A1.2.3 Pharmacology and toxicology
A1.2.3.1 Clinical & post-mortem studies in man
A1.2.3.2 Controlled human exposures
A1.2.3.2.1 Agent CS
A1.2.3.2.2 Agent CR
A1.2.4 Capsaicin and synthetic homologues
A1.2.5 Diphenylarsines
A1.2.6 Bromobenzyl cyanide and congeners
A1.2.7 Chloroacetophenone and congeners
A1.2.8 Benzalmalononitriles and congeners
A1.2.8.1 Chemistry
A1.2.8.2 Pharmacology and toxicology
A1.2.9 Dibenzoxazepines and congeners
A1.2.10 Other irritants
A1.3 Phosgene and other choking gases
A1.4 Hydrogen cyanide and related blood gases
A1.5 Mustards
A1.5.1 Chemistry
A1.5.2   Pharmacology and toxicology
A1.5.2.1   Clinical and post-mortem studies in man
A1.5.3   Mustard-gas key precursors
A1.6   Arsenicals other than diphenylarsines
A1.7   Nerve gases and other anticholinesterase agents
A1.7.1   Cholinesterases and their inhibition
A1.7.1.1   Aging of inhibited ChE
A1.7.1.2   Acetylcholine and its receptors
A1.7.2   Organophosphates
A1.7.2.1   Chemistry
A1.7.2.1.1   Synthetic methods
A1.7.2.1.1.1   C-P bonds
A1.7.2.1.1.2   Other intermediates
A1.7.2.1.1.3   Dyflos and congeners
A1.7.2.1.1.4   Systox and congeners
A1.7.2.1.2   Physical & chemical properties
A1.7.2.1.3   Analytical methods
A1.7.2.1.4   In vitro ChE inhibition
A1.7.2.2   Pharmacology and toxicology
A1.7.2.2.1   Interaction with non-ChE substrates
A1.7.2.2.2   Delayed and longterm toxicity
A1.7.2.2.3   Controlled human exposures
A1.7.2.2.4   Uncontrolled human exposures
A1.7.2.2.5   Inhal/percut lethality studies
A1.7.2.2.6   Review articles
A1.7.2.3   OP pesticides
A1.7.2.4   OP nerve gases
A1.7.2.4.1   Tabun and congeners
A1.7.2.4.2   Sarin and congeners
A1.7.2.4.3   Amiton and congeners
A1.7.2.4.4   Tammelin esters
A1.7.2.4.5   Edemo and congeners
A1.7.2.4.6   Others
A1.7.2.5   Nerve-gas key precursors
A1.7.3   Carbamates
A1.7.4 Other anticholinesterases
A1.7.5 Therapy and prophylaxis of anti-ChE poisoning
A1.7.5.1 Drug studies
A1.7.5.1.1 Anticholinergics
A1.7.5.1.2 Oximes
A1.7.5.1.3 Carbamates
A1.7.5.1.4 Other drugs
A1.7.5.2 Prophylaxis
A1.8 Incapacitants
A1.8.1 Directions in incap R&D
A1.8.1.1 USA:incap R&D
A1.8.2 Pathway to incapacitation
A1.8.2.1 Hallucination
A1.8.2.2 Anaesthesia
A1.8.2.3 Tranquillization
A1.8.2.4 Tremors
A1.8.2.5 Convulsions
A1.8.2.6 Paralysis
A1.8.2.7 Hypotension
A1.8.2.8 Hypothermia & hyperthermia
A1.8.2.9 Emesis
A1.8.2.10 Vision impairment
A1.8.2.11 Pain and itch
A1.8.2.12 Stink
A1.8.3 Psychotropic drugs
A1.8.3.1 Phenothiazines
A1.8.3.2 LSD and congeners
A1.8.3.3 Other hallucinogenic indoles
A1.8.3.4 Mescaline and congeners
A1.8.3.5 Cannabinoids
A1.8.3.6 Phencyclidine and congeners
A1.8.3.7 BZ and congeners
A1.8.3.8 Atropine, scopolamine and congeners
A1.8.3.9 Benzomorphans, fentanyl and other opioids
A1.8.3.10 Other psychotropic drugs
A1.8.4 Other drugs
A1.8.4.1 Succinyl choline and congeners
A1.8.4.2 Tremorine and congeners

A1.9 Toxins
A1.9.1 Bacterial toxins
A1.9.1.1 Endotoxins
A1.9.1.2 Tetanal toxins
A1.9.1.3 Botulinal toxins
A1.9.1.4 Staphylococcal toxins
A1.9.1.5 Other bacterial toxins

A1.9.2 Mycotoxins
A1.9.2.1 Aminitins
A1.9.2.2 Aflatoxins
A1.9.2.3 Trichothecenes
A1.9.2.3.1 Literature searches
A1.9.2.3.2 Natural occurrence
A1.9.2.3.3 Pharmacology and toxicology
A1.9.2.3.4 Effects in man
A1.9.2.3.5 Chemistry and production
A1.9.2.3.6 Analytical methods

A1.9.2.4 Ergot
A1.9.2.5 Other mycotoxins

A1.9.3 Algal toxins
A1.9.3.1 Saxitoxin
A1.9.3.1.1 Comparisons with tetrodotoxin

A1.9.4 Higher plant toxins
A1.9.4.1 Hallucinogens
A1.9.4.1.1 Morphine and congeners
A1.9.4.2 Other alkaloids
A1.9.4.2.1 Curare
A1.9.4.3 Glycosides
A1.9.4.4 Phytohaemagglutinins
A1.9.4.4.1 Ricin
A1.9.4.5 Other higher plant toxins

A1.9.5 Zootoxins
A1.9.5.1    Sponge toxins
A1.9.5.2    Cnidarian toxins
A1.9.5.2.1  Palytoxin
A1.9.5.2.2  Sea-wasp toxin
A1.9.5.3    Mollusc toxins
A1.9.5.3.1  Cone snail toxins
A1.9.5.3.2  Octopus toxins
A1.9.5.4    Sea urchin toxins
A1.9.5.5    Tetrodotoxin
A1.9.5.6    Frog toxins
A1.9.5.7    Snake toxins
A1.9.5.8    Insect toxins
A1.9.5.9    Spider toxins
A1.9.5.10   Scorpion toxins
A1.9.5.11   Other zootoxins
A1.9.6      Human biochemicals
A1.10       Oligo-peptides
A1.11       Other toxicants
A1.11.1     Vesicants
A1.11.1.1   Chloroformoximes
A1.11.2     Organofluorine compounds
A1.11.2.1   Fluoroacetates
A1.11.2.2   Fluoroalkenes
A1.11.3     Bisquaternary compounds
A1.11.3.1   Hemicholinium compounds
A1.11.4     Adamantanes
A1.11.5     Dioxin and congeners
A1.11.6     Atranes
A1.11.7     Bicyclic P-esters and congeners
A1.11.8     Other organosilicon compounds
A1.11.9     Other organometallics
A1.11.10    Sulphur compounds
A1.12       Herbicides
A1.12.1     Phenoxyacetates
Subcategory A2: Infective Agents

A2.1   BW aspects
A2.1.1  Directions in BW-agent R&D
A2.1.1.1 USA: BW-agent R&D
A2.1.2  Mixed infections
A2.1.3  Production and storage
A2.1.4  Prophylaxis and therapy
A2.1.4.1 Diagnostics
A2.1.5  Aerobiology
A2.1.6  Antiplant agents
A2.1.7  Entomological warfare
A2.1.8  Simulants
A2.2   Fungal pathogens
A2.2.1  Animal
A2.2.1.1 Coccidioides immitis
A2.2.1.2 Histoplasma capsulatum
A2.2.2  Plant
A2.2.2.1 Pyricularia oryzae
A2.2.2.2 Puccinia graminis (including Ug-99)
A2.3   Bacterial pathogens
A2.3.1  Animal
A2.3.1.1 Bacillus anthracis
A2.3.1.2 Yersinia pestis
A2.3.1.3 Burkholderia pseudomallei
A2.3.1.4 Francisella tularensis
A2.3.1.5 Brucella spp.
A2.3.1.6 Salmonella typhosa
A2.3.1.7 Vibrio cholerae
A2.3.1.8 Shigella spp.
A2.3.1.9 Legionella pneumophila
A2.3.1.10 Chlamydia psittaci
A2.3.1.11 Coxiella burnetii
A2.3.1.12 Rickettsia rickettsii
A2.3.1.13 Rickettsia prowazeki
A2.3.1.14 Rickettsia tsutsugamushi
A2.3.1.15 Burkholderia mallei
A2.3.2 Plant
A2.4 Viral pathogens
A2.4.1 Animal
A2.4.1.1 VEE
A2.4.1.2 WEE
A2.4.1.3 EEE
A2.4.1.4 Semliki Forest
A2.4.1.5 Chikungunya
A2.4.1.6 Dengue
A2.4.1.7 Yellow fever
A2.4.1.8 Rift Valley fever
A2.4.1.9 Lassa fever
A2.4.1.10 Junin (AHF)
A2.4.1.11 Variola
A2.4.1.12 Influenza
A2.4.1.13 Newcastle disease
A2.4.1.14 Marburg
A2.4.1.15 Ebola
A2.4.1.16 West Nile Encephalitis
A2.4.2 Plant
A2.5 “New Diseases”
A2.5.1 Viroids and infectious nucleic acids
A2.5.2 AIDS
A2.5.3 Transmissible spongiform encephalopathies
A2.5.4 SARS (severe acute respiratory syndrome)
A2.6 “Other biological agents”

Subcategory A3: Applicable Technique
A3.1 Dissemination
A3.1.1 Aerosol generation
A3.1.2 Specific techniques
A3.1.2.1 Micronization/powder-dispersal
A3.1.2.2 Centrifugal
A3.1.2.3  Explosive
A3.1.2.4  Ultrasonic
A3.1.2.5  Spraying
A3.1.3  Dissemination devices
  A3.1.3.1  Laboratory
  A3.1.3.2  Pesticides and agrochemicals
  A3.1.3.3  Pharmaceuticals
A3.2  Dispersal
  A3.2.1  Aerosol and cloud physics
    A3.2.1.1  Aerosol containment
  A3.2.2  Atmospheric diffusion and its modelling
    A3.2.2.1  Deposition
    A3.2.2.2  Field studies
    A3.2.2.2.1  CBW field trials
  A3.2.3  Air pollution studies
A3.3  Uptake
  A3.3.1  Inhalation and retention
  A3.3.2  Percutaneous absorption
  A3.3.3  Permeability enhancers
  A3.3.4  Exposure assessment
A3.4  Filtration
  A3.4.1  Pressure swing adsorption
A3.5  Detection and identification
  A3.5.1  Microbes
    A3.5.1.1  Forensic
  A3.5.2  Chemicals
    A3.5.2.1  GC/MS techniques
    A3.5.2.2  Enzyme methods
    A3.5.2.3  Biomarkers of exposure
  A3.5.3  People
  A3.5.4  Aerosols
    A3.5.4.1  LIDAR
  A3.5.5  Air-sampling technique
A3.6  Disinfection and decontamination
  A3.6.1  Detoxification chemistry
A3.6.2 Gruinard Island decontamination
A3.6.3 By incineration
A3.6.4 Enzyme methods
A3.7 Freeze-drying etc
A3.8 Microencapsulation
A3.9 CBW relevant biotechnology
A3.9.1 Toxin-gene cloning
A3.9.2 RNAi
A3.9.3 ‘Synthetic biology’
A3.9.4 Protein engineering
A3.10 Toxicity measurement
A3.10.1 Screening
A3.10.2 Extrapolation to man
A3.10.3 Low-level exposure
A3.11 Infectivity measurement
A3.12 Persistence
A3.13 Chiral synthesis and chirality
A3.14 Containment of biohazards
A3.15 Supercritical fluids
A3.16 CBW relevant nanotechnology

Subcategory A4: Emergent CBW Technology

A4.1 Directions being taken in CBW R&D
A4.1.1 USA
A4.2 Offensive technology
A4.2.1 New CBW agents
A4.2.1.1 Penetration of protection
A4.2.1.2 Adjuvants
A4.2.1.2.1 Agent thickeners [formerly A4.2.1.2]
A4.2.1.2.2 Agent stabilizers [formerly A4.2.1.3]
A4.2.2 Munitions R&D
A4.2.2.1 Biological
A4.2.2.2 Direct injection
A4.2.2.3 Explosive dissemination
A4.2.2.4    Thermal dissemination (incl. gas generators)
A4.2.2.4.1  Pyrotechnic mixtures
A4.2.2.4.2  Thermogenerators
A4.2.2.5    Mechanical dissemination
A4.2.2.5.1  Frangible canisters
A4.2.2.5.2  Aerial spraytanks
A4.2.2.5.3  Piston-driven
A4.2.2.5.4  Carriers
A4.2.3    Self-dispersing munitions
A4.2.4    Special weapons
A4.2.4.1   Guided missile CBW-agent delivery
A4.2.4.1.1  Counter weapons
A4.2.4.2   CB-site-destruction weapons
A4.2.5    Binary munitions
A4.2.5.1   USA: Binary R&D
A4.3    Protective technology
A4.3.1   Physical protection
A4.3.1.1  Respirators
A4.3.1.2  Protective clothing
A4.3.1.3  Collective protection
A4.3.1.4  Resistant coatings
A4.3.2   Detection and identification
A4.3.2.1  CW agents and toxins
A4.3.2.1.1 Remote detection
A4.3.2.2  BW agents excluding toxins
A4.3.3   Decontamination studies
A4.3.3.1  Air
A4.3.3.2  Surfaces
A4.3.3.3  Water
A4.3.4   Medical
A4.3.4.1  USA: CW medical defence R&D
A4.3.4.2  USA: BW medical defence R&D
A4.3.5
A4.4    Demilitarization studies
A4.4.1   CW agent conversion
Subcategory A5: CBW Equipments

A5.1 Training aids and simulants
A5.2 Offensive equipments
A5.2.1 Biological weapons
A5.2.2 Chemical weapons
A5.2.2.1 USA: standardised binary munitions
A5.2.2.1.1 M687 155mm GB2
A5.2.2.1.2 BLU-80/B Bigeye VX2
A5.2.2.2 Irritant-agent munitions
A5.2.2.3 Herbicide weapons

A5.3 Protective equipments
A5.3.1 Physical protection
A5.3.1.1 Respirators
A5.3.1.1.1 USA: Respirators
A5.3.1.2 Protective clothing
A5.3.1.3 Collective protection
A5.3.1.3.1 NBC shelters
A5.3.1.4 CW-agent-resistant paints &c

A5.3.2 Detectors and alarms
A5.3.2.1 For CW agents and toxins
A5.3.2.2 For BW agents excluding toxins
A5.3.3 For decontamination
A5.3.3.1 Skin
A5.3.3.2 Ground
A5.3.3.3 Water
A5.3.3.4 Equipment and weapons
A5.3.3.5 Clothing

A5.3.4 Medical items
A5.3.4.1 Toxic-agent antidotes and prophylactics
A5.3.4.2 Infective-agent antidotes and prophylactics
B: MILITARY OR OTHER OPERATIONAL ASPECTS OF CBW

Subcategory B1: General articles on CBW

B1.1 BW weapons
B1.1.1 Anti-plant/animal BW
B1.2 CW weapons
B1.2.1 Incap concepts
B1.2.2 Herbicide warfare
B1.2.3 Tear-gas warfare
B1.3 CBW protection
B1.3.1 Degradation due to protection
B1.3.2 Civil defence
B1.4 Bibliographies [inc reviews/notices of CBW publications]
B1.4.1 Computer searches
B1.4.2 CBW data-bases
B1.4.3 CBW websites
B1.4.4 Bibliometric studies
B1.4.5 Textmining of CBW data
B1.4.6 CBW listservs
B1.4.6.1 Biowar
B1.4.6.2 SIPRI CBW DF
B1.4.6.3 FAS CBW
B1.4.6.4 Sunshine Biodefense
B1.4.6.5 RevCon Redux
B1.4.6.6 BWPP BCW DF
B1.4.6.6.1 ‘Biotechnology developments’ board
B1.4.6.7 Sunshine NL CBW
B1.4.6.8 Monterey CBRN-IRD
B1.5 Deterring CBW
B1.6 CBW threat-assessment / risk analysis post cold war
B1.7 Weapons of Mass Destruction - General
Subcategory B2: Historical

B2.1 Pre-World War I
B2.2 World War I
B2.3 Inter-WW period
B2.3.1 BW studies
B2.4 World War II

Subcategory B3: Utility of CBW weapons

B3.1 CW and BW deterrence
B3.2 CW operational research
B3.2.1 Munitions-requirement estimates
B3.2.2 Cost effectiveness
B3.3 CW tactical doctrine
B3.3.1 Manuals: USA
B3.4 Clandestine (incl BW)
B3.4.1 Terrorists and CBW weapons
B3.4.1.1 al-Qaeda (Osama bin Laden)
B3.4.1.1.1 2009 Algerian plague allegation
B3.4.1.2 Aum Shinrikyo
B3.4.1.3 Hoaxes
B3.4.1.4 Hamas
B3.4.1.5 Anthrax letters, 2001
B3.4.1.5.1 Analysis
B3.4.1.5.2 Bruce Ivins
B3.4.1.6 Abu Musab al-Zarqawi
B3.4.1.7 Ricin plots
B3.4.1.8 Hezbollah
B3.4.2 Markov murder (1978)
B3.4.3 Biocrimes
B3.4.3.1 In Brazil, 1957-65
B3.4.3.2 Rajneeshees in Oregon, 1984
B3.4.4 Mishal episode
B3.4.5 ‘Homemade Chemical Bombs’ incl Hazardous Substances Emergency Events
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Surveillance (HSEES) reports

B3.4.6 DIY CBW weapons
B3.4.7 Litvinenko murder
B3.4.8 Yushchenko poisoning
B3.5 Naval chemical warfare
B3.6 Logistics
B3.6.1 Logistics: USA
B3.7 Training
B3.8 Civil use of irritants etc
B3.8.1 Tbilisi, April 1989
B3.8.2 Intifada, 1988 on
B3.8.3 Waco, Texas, April 1993
B3.8.4 Seattle, Nov-Dec 1999
B3.8.5 Moscow theatre, October 2002
B3.9 Security and Counterterrorism (incl. torture)

Subcategory B4: CBW Intelligence

B4.1 Acquisition
B4.1.1 Open literature surveillance: USA
B4.2 Utilisation
B4.2.1 Yom Kippur war and CW preparedness: USA
B4.3 Deception
B4.3.1 Top Hat
B4.3.2 Fedora
B4.3.3 Cassidy

Subcategory B5: Consequences of CBW

B5.1 Health, including requisite medical countermeasures
B5.1.1 CW plus irradiation
B5.1.2 Modelling CW effects
B5.2 BW direct health consequences, incl requisite medical countermeasures  [Formerly B6]
B5.2.1 Detecting BW through health/disease surveillance [Formerly B6.2]
B5.2.2 Modelling BW effects
B5.3 Indirect/long-term health consequences

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B5.3.1 Psychological consequences [Formerly B7]
B5.4 Environmental consequences [Formerly B5.2]
B5.5 Forensic aspects [Formerly B6.3]
B5.6 Decontamination
B5.7 Assistance

Subcategory B6: CBW Threat Reduction

B6.1 Biosecurity, concepts and measures
B6.1.1 National Policies
B6.2 Crisis management planning/preparedness
B6.3 Role of law
B6.4 Psychological aspects
**B6.5 Chemical security**
C: COUNTRIES AND ALLIANCES

Subcategory C1: Overview

C1.1 CW proliferation
C1.1.1 Binaries and CW proliferation
C1.2 Regions
C1.2.1 Middle East
C1.2.2 Europe
C1.2.3 Mediterranean
C1.2.4 Africa
C1.2.5 Central Asia
C1.3 BW proliferation
C1.4 Antiproliferation
C1.4.1 Expanded Threat Reduction Initiative
C1.4.2 Proliferation Security Initiative
C1.5 CBW Counterterrorism

Subcategory C2: Intergovernmental organisations

C2.1 NATO
C2.1.1 NATO chemical deterrent
C2.1.2 Antiproliferation
C2.1.3 Non lethal weapons
C2.1.4 CB Defence Long Term Scientific Study (LTSS)
C2.2 WTO
C2.2.1 Indigenous commentary
C2.2.2 Western commentary
C2.3 European Communities and European Union
C2.3.1 REACH (EU regulatory regime for chemicals)
C2.4 WEU
C2.5 CMEA
C2.6 World Health Organisation
C2.7 Interparliamentary organisations
C2.7.1 North Atlantic Assembly
C2.8 Other intergovernmental CBW cooperation
C2.9 South Pacific Forum
C2.10 Organization of American States
C2.11 Commonwealth [British]
C2.12 CSCE
C2.13 Gulf Cooperation Council
C2.14 Commonwealth of Independent States
C2.15 ISTC Moscow, and STU
C2.16 Non-Aligned Movement
C2.17 La Francophonie
C2.18 G-7 etc
C2.18.1 Global Partnership Against the Spread of WMD
C2.18.2 Financial Action Task Force
C2.19 InterPol

Subcategory C3: Countries

Note: Within the C3 subcategory a separate file, or set of files, exists for each country. Each alphanumerical descriptor for these files includes, in parentheses, an abbreviation of the name of the country concerned. For some countries it has proved useful to maintain separate files for indigenous and nonindigenous source materials; to denote this, suffixes are attached to the country names within the descriptors, as follows:

-i indigenous sources
-e WTO-country sources
-w Western sources
-o other-country sources

Most of the country files are slim and need no subdivision. But some of them are large; and in all such cases the subdivision is done according to the following hierarchy:

C3.1 National Policy
C3.1.1 Official statements of policy
C3.1.2 Policy debate
C3.1.2.1 (Particular programmes)
C3.1.2.2 Commissions of enquiry
C3.1.2.3 Official studies and reviews
C3.1.2.4 Parliamentary proceedings
C3.1.3 Implementing legislation
C3.1.4 War plans
C3.1.5 Information policy
C3.1.6 Other legislation
C3.1.6.1 State legislation
C3.1.6.2 CBW-related

C3.2 Force levels
C3.2.1 BW capabilities
C3.2.1.1 Biodemil
C3.2.2 CW weapons posture
C3.2.2.1 Stocks of CW weapons
C3.2.2.2 Acquisition plans
C3.2.2.3 Chemdemil
C3.2.3 Anti-CBW posture
C3.2.3.1 Anthrax immunization
C3.2.3.2 Smallpox immunization

C3.3 CBW expenditure

C3.4 Administration and organisation
C3.4.1 CBW-preparedness organisations
C3.4.1.1 Military institutions
C3.4.1.1.1 Commands
C3.4.1.1.2 Agencies
C3.4.1.1.3 Establishments
C3.4.1.1.4 Schools
C3.4.1.1.3.1 Army establishments
C3.4.1.1.3.2 Navy establishments
C3.4.1.1.3.3 Air Force establishments
C3.4.1.2 Nonmilitary institutions
C3.4.1.2.1 Industry
C3.4.1.2.2 Universities

C3.4.2 Cooperation with other countries
C3.4.2.1 Foreign basing of CBW weapons
C3.4.2.2 Support for foreign chemdemil
C3.4.2.3 Support for foreign BW conversion
C3.4.2.4 Foreign aid for own chemdemil

C3.4.3 Individuals
C3.4.4 Orders and regulations
C3.5 Intelligence
C3.6 Police and IS forces
C3.7 Historical
C3.7.1 Preparedness in WW2
C3.7.1.1 Information sources
C3.7.1.2 Later exploitation
C3.8 Civil defence
C3.9 CBW in domestic politics
C3A CBW technology
C3A.1 Biological warfare
C3A.1.1 Weapons
C3A.1.1.1 For overt use
C3A.1.1.2 For covert use
C3A.1.2 Protection
C3A.1.3 Training aids
C3A.2 R&D programme
C3A.2.1 Covert use weapons
C3A.2.2 Volunteer testing programme
C3A.2.3 Field trials
C3A.3 Equipments
C3A.3.1 CW weapons
C3A.3.2 Protective equipments
C3A.4 Technology base
C3A.4.1 Bibliographies
C3B Military attitudes
C3B.1 Doctrine
C3B.1.1 Doctrine development
C3B.2 Training
C3B.3 Textbooks etc
C3B.4 Operations research
C3B.4.1 Herbicides
C3D Reported use of CBW
C3E CBW disarmament
C3E1 Under the 1972 BWC
C3E2 Under the 1993 CWC
C3E2.1 Ratification of CWC
C3E3 Counterproliferation
C3E4 Counterterrorism

The subfiles currently open within the C3 subcategory are as follows:

C3(ALB) Albania
C3(ALG) Algeria
C3(AFG) Afghanistan
C3(ANG) Angola
C3(ARG) Argentina
C3(ARM) Armenia
C3(AUS) Australia
C3(AST) Austria
C3(AZE) Azerbaijan
C3(BAN) Bangladesh
C3(BEL) Belgium
C3(BOL) Bolivia
C3(BOS) Bosnia & Herzegovina
C3(BRA) Brazil
C3(BUL) Bulgaria
C3(BUL-i)
C3(BUR) Burma
C3(BDI) Burundi
C3(BRU) Brunei
C3(BYE) Belarus
C3(BF) Burkina Faso
C3(CAN) Canada
C3(CAN)A1 Biological warfare technology
C3(CAN)2.3.1 Anthrax immunization
C3(CHA) Chad
C3(CHE) Chile
C3(CHI) China
C3(COL) Colombia
C3(CRO) Croatia

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C3(ICE) Iceland
C3(IND) India
C3(INS) Indonesia
C3(IRA) Iran
C3(IRQ) Iraq
C3(IRE) Ireland
C3(ISR) Israel
C3(ITA) Italy
C3(IVO) Ivory Coast
C3(JAP) Japan
C3(JAP)7 Historical
C3(JAP)7.1 Preparedness in WW2
C3(JAP)7.1.2 Later exploitation
C3(JOR) Jordan
C3(KAM) Kampuchea
C3(KAZ) Kazakhstan
C3(KEN) Kenya
C3(KUW) Kuwait
C3(LAO) Laos
C3(LAT) Latvia
C3(LEB) Lebanon
C3(LIB) Liberia
C3(LIT) Lithuania
C3(LYA) Libya
C3(MAC) Macedonia, FYR of
C3(MAL) Malaysia
C3(MLT) Malta
C3(MEX) Mexico
C3(MOL) Moldova
C3(MOR) Morocco
C3(MOZ) Mozambique
C3(NET) Netherlands
C3(NZ) New Zealand
C3(NIC) Nicaragua
C3(NIG) Nigeria

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C3(KON)  North Korea
C3(NYM)  North Yemen
C3(NOR)  Norway
C3(OMA)  Oman
C3(PAK)  Pakistan
C3(PAL)  Palestinians
C3(PAK)  Pakistan
C3(PAN)  Panama
C3(PAR)  Paraguay
C3(PHI)  Philippines
C3(POL)  Poland
C3(POL-i)
C3(POR)  Portugal
C3(QAT)  Qatar
C3(RHO)  Rhodesia
C3(ROM)  Romania
C3(ROM-i)
C3(RUS)  Russian Federation
C3(RUS)4.1.2  Biopreparat &c
C3(RUS)4.2.4  Foreign aid for Russian chemdemil
C3(SAU)  Saudi Arabia
C3(SEN)  Senegal
C3(SER)  Serbia & Montenegro
C3(SIN)  Singapore
C3(SLO)  Slovakia
C3(SA)  South Africa
C3(KOS)  South Korea
C3(SYM)  South Yemen
C3(SOV)  Soviet Union
C3(SOV-w) [for sub-divisions of this file, see below]
C3(SOV-i) [for sub-divisions of this file, see below]
C3(SOV-o)
C3(SOV-f)  Former Soviet Union [for post-USSR writing about USSR]
C3(SOV-f)4.3  Individuals
C3(SOV-f)4.3.1  K Alibekov
So far, detailed subdivisions have been developed only for four country files. These are set out below. They follow the basic hierarchy of the subcategory C3.

C3(SOVw)
C3(SOV-w)1.2 Policy debate
C3(SOV-w)2 Force levels etc.
C3(SOV-w)2.2.1 CW-weapons stocks
C3(SOV-w)2.2.3 Chemdemil
C3(SOV-w)2.3 Anti-CW posture
C3(SOV-w)4 Administration and organisation
C3(SOV-w)4.1.1.1 VKhV
C3(SOV-w)4.2 Cooperation with other countries
C3(SOV-w)4.2.1 Foreign basing of CBW weapons
C3(SOV-w)4.3 Individuals
#C3(SOV-w)4.3.1 Lev Fedorov
#C3(SOV-w)4.3.2 Vil Mirzayanov (and subdivisions)
#C3(SOV-w)4.3.3 Shevardnadze, Gorbachev, Bakatin
#C3(SOV-w)4.3.4 Kuntsevich
#C3(SOV-w)4.3.5 Petrov
C3(SOV-w)6 Police and IS forces
C3(SOV-w)7 Historical
C3(SOV-w)8 Civil defence
C3(SOV-w)A1 Biological warfare
C3(SOV-w)A1.1 Obolensk
C3(SOV-w)A2 R&D programmes
C3(SOV-w)A2.1 Covert-use weapons
C3(SOV-w)A3 Equipments
C3(SOV-w)A3.1 CW weapons
C3(SOV-w)A3.2 Protective equipments
C3(SOV-w)B Military attitudes
C3(SOV-w)B1 Doctrine
C3(SOV-w)D Reported use of CBW
C3(SOV-i)
C3(SOV-i)1 National policy
C3(SOV-i)2 Force levels etc.
C3(SOV-i)2.1 BW capabilities
C3(SOV-i)2.2.1 CW weapons stocks
C3(SOV-i)2.2.3 Chemdemil
C3(SOV-i)4 Administration and organisation
C3(SOV-i)4.1.1.1 VKhV
C3(SOV-i)4.2 Cooperation with other countries
C3(SOV-i)4.2.1 Foreign basing of CBW weapons
C3(SOV-i)4.3 Individuals
C3(SOV-i)7 Historical
C3(SOV-i)8  Civil defence
C3(SOV-i)A  CBW technology
C3(SOV-i)A1  Biological warfare
C3(SOV-i)A3.1  CW weapons
C3(SOV-i)A3.2  Protective equipments
C3(SOV-i)A4  Technology base
C3(SOV-i)B  Military attitudes
C3(SOV-i)B1  Doctrine
C3(SOV-i)B2  Training
C3(SOV-i)B3  Textbooks etc-
C3(SOV-f)  Former Soviet Union

C3(UK)
C3(UK)1.2.1  The CS decision
C3(UK)1.2.4  Hansard etc.
C3(UK)1.2.4.1  POLIS downloads
C3(UK)2.3  Anti-CW posture
C3(UK)2.3.1  Anthrax immunization
C3(UK)3  CBW expenditure
C3(UK)4  Administration and organisation
C3(UK)4.1.1 (to incorporate C3(UK)4.1.1.4.1)  Military institutions
C3(UK)4.2  Cooperation with other countries
C3(UK)4.3  Individuals
C3(UK)5  Intelligence
C3(UK)6  Police and IS forces
C3(UK)7  Historical
C3(UK)7.1  Preparedness in WW2
C3(UK)8  Civil defence
C3(UK)A  CBW technology
C3(UK)A1  BW programmes
C3(UK)A2  R&D programmes
C3(UK)A2.2  Volunteer testing programme
C3(UK)A3  Equipments
C3(UK)A3.1  CW weapons
C3(UK)A3.2  Protective equipments
C3(USA)4.1  CBW-preparedness organisations
C3(USA)4.1.1  Military institutions
C3(USA)4.1.1.1  Commands
C3(USA)4.1.1.1.1  Army Chemical Corps
C3(USA)4.1.1.2  Agencies
C3(USA)4.1.1.2.1  Chemical & Biological Defense Agency
C3(USA)4.1.1.2.2  Chemical Materiel Destruction Agency
C3(USA)4.1.1.2.3  DARPA
C3(USA)4.1.1.3  Establishments
C3(USA)4.1.1.3.1  Army establishments
C3(USA)4.1.1.3.1.1  Edgewood
C3(USA)4.1.1.3.1.2  Aberdeen
C3(USA)4.1.1.3.1.3  McClellan
C3(USA)4.1.1.3.1.4  Dugway
C3(USA)4.1.1.3.1.5  Pine Bluff
C3(USA)4.1.1.3.1.6  Rocky Mountain
C3(USA)4.1.1.3.1.7  Muscle Shoals
C3(USA)4.1.1.3.1.8  Newport
C3(USA)4.1.1.3.1.9  Detrick, incl NBACC
C3(USA)4.1.1.3.1.10  Johnston Atoll
C3(USA)4.1.1.3.1.11  West Germany
C3(USA)4.1.1.3.1.12  Others
C3(USA)4.1.1.3.2  Navy establishments
C3(USA)4.1.1.3.2.1  Oakland
C3(USA)4.1.1.3.3  Air Force establishments
C3(USA)4.1.2  Non-military institutions
C3(USA)4.1.2.1  Industry
C3(USA)4.1.2.2  Universities
C3(USA)4.1.2.3  Homeland Security, incl. NBF
C3(USA)4.1.2.4  Energy Dept, incl. National Laboratories
C3(USA)4.1.2.5  Health Dept, incl CDC, BARDA, NSABB, etc
C3(USA)4.1.2.6  Justice Dept, incl NIJ and FBI
C3(USA)4.2  Cooperation with other countries
C3(USA)4.2.1  Foreign basing of CBW weapons
C3(USA)4.2.1.1  In Germany
C3(USA)4.2.1.2  In Japan
C3(USA)4.2.2  On chemdemil
C3(USA)4.2.3  On BW conversion
C3(USA)4.3  Individuals
C3(USA)4.4  Orders and regulations
C3(USA)5  Intelligence
C3(USA)6  Police and IS forces
C3(USA)7  Historical
C3(USA)7.1  Preparedness in WW2
C3(USA)7.1.1  Information sources
C3(USA)8  Civil defence
C3(USA)9  CBW in domestic politics
C3(USA)A  CBW technology
C3(USA)A1  Biological warfare
C3(USA)A2  R&D programmes
C3(USA)A2.1  CIA/SOD
C3(USA)A2.2  Volunteer testing programme
C3(USA)A2.3  Field trials
C3(USA)A2.3.1  Project 112/SHAD investigation, August 2000 onwards
C3(USA)A3  Equipments
C3(USA)A3.1  CW weapons
C3(USA)A3.2  Protective equipments
C3(USA)A4  Technology base
C3(USA)A4.1  Bibliographies
C3(USA)B  Military attitudes
C3(USA)B1  Doctrine
C3(USA)B1.1  Doctrine development
C3(USA)B2  Training
C3(USA)B3  Textbooks etc
C3(USA)B4  Operations research
C3(USA)B4.1  Herbicides
C3(USA)D  Reported use of CBW
C3(USA)E1  BWC implementation
C3(USA)E2  CWC implementation
C3(USA)E2.1  Ratification of CWC
C3(USA)E3  CBW counterproliferation
C3(USA)E4  CBW counterterrorism

The follow pre-SHIB files still await integration into SHIB:

Socialist countries: technical publications of CBW relevance
CBW capabilities: USSR and WTO
USSR and WTO countries: CW/BW: indigenous commentary
USSR/w: historical
USSR/w: internal use of CW
USSR-CW/Western
USSR CW armament: Western sources
USSR-indigenous/USSR
USSR-BW/Western
Covert-use CBW weapons: USSR
Soviet CW capabilities: collated data and estimates [in annual pocket files]
D: CONFLICTS

Subcategory D1: Pre World War I

Subcategory D2: World War I

D2.1 Official histories
D2.1.1 British
D2.1.2 US

Subcategory D3: Inter World War period

D3.1 Russian Civil War
D3.2 British Somaliland
D3.3 British India, 1920s
D3.4 Iraq
D3.5 Spanish/French Morocco, 1920s
D3.6 Libya
D3.7 Sinkiang: Soviet intervention, 1934
D3.8 Italo-Ethiopian War, 1935-41
D3.9 Sino-Japanese War, 1937-45
D3.9.1 Reports of Japanese CW, 1937-45
D3.9.2 Reports of Japanese BW, 1934-45

Subcategory D4: World War II, 1939-45

D4.1 Consideration of use during WW2
D4.2 Reviews of CW use reports
D4.3 Reports of Japanese CW
D4.4 Reports of German CW

Subcategory D5: 1945-60

D5.1 British Malaya, 1950s
D5.2  Korean War, 1950-53
D5.3  Inter Korean border conflict, 1953 on
D5.4  Israel, 1948 on

Subcategory D6: Since 1960

D6.1  Vietnam War, 1961-75
D6.1.1  Background
D6.1.2  NLF/DRV sources
D6.1.3  Reports of lethal CW
D6.1.4  Reports of BW
D6.1.5  Retrospective
D6.1.5.1  Operation Tailwind
D6.1.6  Reports of NLF/NVA CW
D6.1.7  Reviews and commentaries
D6.1.7.1  Paris Scientific Conference, Dec 1970
D6.1.7.2  AAAS Chicago Herbicide Panel, Dec 1970
D6.2  Yemeni civil war, 1963-67
D6.2.1  Background
D6.3  Portugese Africa, 1960s/1970s
D6.4  Rhodesia, 1965 on
D6.5  Ulster, 1969 on
D6.6  Israeli occupied territories, 1973 on
D6.6.1  West Bank
D6.6.2  Lebanon
D6.7  Angola, 1975 on
D6.7.1  Background
D6.8  Sino-Vietnamese war, 1979
D6.9  Laos, 1970s/1980s
D6.9.1  CW in Thai/Laos border fighting
D6.9.2  Background
D6.10  Cambodia, Vietnamese occupation, 1978 on
D6.10.1  CW in Thai/Cambodia border fighting
D6.10.2  Background
D6.11  Afghanistan: Soviet intervention, 1979
| D6.11.1 | Reports of Mujahideen use |
| D6.11.2 | Background |
| D6.12 | Gulf War, 1980-88 |
| D6.12.1 | Reports of CW use |
| D6.12.1.1 | Reports of Iranian CW |
| D6.12.1.2 | Reports of Iraqi CW |
| D6.12.1.3 | Editorial comments on CW use |
| D6.12.1.4 | Reviews of CW use reports |
| D6.12.1.5 | UN investigations |
| D6.12.1.6 | Medical reports |
| D6.12.2 | Export control actions |
| D6.12.3 | Background |
| D6.12.4 | Reports of BW use |
| D6.13 | Namibia, 1980s |
| D6.14 | Burma, 1980s |
| D6.15 | Indonesia, 1980s |
| D6.16 | Philippines, 1980s |
| D6.17 | Ethiopia, 1980s |
| D6.17.1 | Background |
| D6.18 | Nicaragua, 1980s |
| D6.19 | El Salvador, 1980s |
| D6.20 | Chad: Libyan intervention, 1980 on |
| D6.20.1 | Background |
| D6.21 | Grenada: US intervention, 1983 |
| D6.22 | Sudan, 1980s onwards |
| D6.22.1 | Background |
| D6.23 | Mozambique, 1980s |
| D6.23.1 | Background |
| D6.24 | Lebanon, 1980s |
| D6.24.1 | Background |
| D6.25 | Sahara, 1970s |
| D6.26 | Iraq: internal CW |
| D6.26.1 | Kurdistan |
| D6.27 | Somalia, 1980s |
| D6.27.1 | Background |
D6.28  Uganda, 1980s
D6.29  Romania, 1989
D6.30  Sri Lanka, 1990
D6.31  Kashmir, 1990s
D6.31.1  Background
D6.32  Yugoslavia, 1991
D6.32.1  Background
D6.33  Turkey: internal CW
D6.34  Caucasus, 1990s
D6.34.1  Armenia/Azerbaijan, 1990s [formerly D6.34]
D6.34.2  Abkhazia [formerly D6.36]
D6.34.3  Ingush-Ossetian conflict [formerly D6.37]
D6.35  War over Kuwait, 1990-91
D6.35.1  Background
D6.35.2  Iraqi CBW preparedness
D6.35.3  Coalition CBW preparedness
D6.35.4  WHO and other international organizations
D6.35.5  Subsequent UNSCOM activities
D6.35.6  Gulf War Syndrome
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D6.52 Iraq, 2003 [see also GD8.1]
D6.52.1 Iraq Survey Group
D6.53 Baluchistan, 2006
D6.54 Lebanon 2006
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E1.3.6.5 International BWC Organization
E1.3.6.6 Export control and other Art III concerns
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E1.3.6.8 Codes of conduct &c
E1.3.7 Third Review Conference, 1991
E1.3.7.1 Ad Hoc Group on Verification (VEREX)
E1.3.8 Other Confidence Building Measures

E1.3.8.1 [Biesenthal Vaccine Initiative: now F2.2.1.20 ProCEID]

E1.3.9 Verification studies

E1.3.9.1 Practice inspections

E1.3.10 Controlling BW: proliferation constraints &c

E1.3.11 Special Conference, 1994

E1.3.11.1 Ad Hoc Group

E1.3.12 Fourth Review Conference (1996)


E1.3.13.1 New process

**E1.3.13.2 Tokyo Seminar, February 2006

E1.3.14 Sixth Review Conference (2006)

E1.3.14.1 Intersessional Process

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E1.4 Alleged violations

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E1.4.2 BWC noncompliance

E1.4.2.1 Allegations of US non-compliance

E1.4.2.2 Allegations of Soviet/Russian non-compliance

E1.4.2.2.1 The Sverdlovsk anthrax

E1.4.2.2.2 Bilateral/trilateral talks/inspections

E1.4.2.3 Current-year only

E1.4.2.4 Cuban Thrips allegation 1997

E1.5 1977 Enmod Convention

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        E2.1.1.2.1.5   London Suppliers Club
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E2.1.1.2.1.7     OECD Chemicals Programme (Rotterdam PIC Treaty)
E2.1.1.2.1.8     CoCom
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E2.2 National positions and initiatives
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E2.2(AUS)2 Intragovernmental
E2.2(FIN) Finland
E2.2(FIN)1 CD site visit, 1981
E2.2(FRA) France
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E2.2(FRG)1 CD site visits, 1979 & 1984
E2.2(FRG)2 Intragovernmental
E2.2(NET) Netherlands
E2.2(NET)1 CD site visit, 1986
E2.2(NOR) Norway
E2.2(SOV) Soviet Union
E2.2(SOV)1 CD site visit, 1987
E2.2(SOV)2 Intragovernmental
E2.2(SWE) Sweden
E2.2(UK) United Kingdom
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E2.2(USA)2 Intragovernmental
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E2.2(USA)2.1.1 MRI contract studies
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E2.3.3.5 Middle East peace process
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E2.3.3.7    Sino-Japanese
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E2.8   CW arms control research
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F2.1.1 AIDS stories
F2.1.2 CBW and black propaganda (disinformation)
F2.2 CBW and non-governmental organisations/QANGOs
F2.2.1 International NGOs
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  F2.2.1.6 Amnesty International
  F2.2.1.7 WILPF
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  F2.2.1.9 IPPNW
  F2.2.1.10 Medecins sans Frontieres
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  F2.2.1.12 SANA
  F2.2.1.13 Int Center for Disarmament & Conversion
  F2.2.1.14 Parliamentarians for Global Action
  F2.2.1.15 International Center for Support of the CWC
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F2.2.1.29   NDA Bioterrorism Report Group Security Defence Agenda
F2.2.1.30   International Council for the Life Sciences (ICLS)
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F2.2.2(AUS)   Australia
F2.2.2(AUS)1   CARPET
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F2.2.2(FRA)   France
F2.2.2(FRA)1   CSDN
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F2.2.2(GDR)   German Democratic Republic
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F2.2.2(IND)   India
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F2.2.2(RUS)1  Carnegie Moscow Center
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F2.2.2(SWI)  Switzerland
F2.2.2(UK)  United Kingdom
F2.2.2(UK)1  Scientists Campaign (1980-2)
F2.2.2(UK)2  Working Party on CB Weapons (1982 on)
F2.2.2(UK)3  British Medical Association
F2.2.2(UK)4  Committee of 100, and CND
F2.2.2(UK)5  Anti-vivisectionists
F2.2.2(UK)6  Campaign Against CBW
F2.2.2(UK)7  Royal Society of Chemistry
F2.2.2(UK)8  National Peace Council
F2.2.2(UK)9  Medical Association for the Prevention of War
F2.2.2(UK)10  Royal Society
F2.2.2(UK)11  Lancaster University CDISS
F2.2.2(UK)12  Wilton Park Conferences
F2.2.2(UK)13  Bradford University DPS
F2.2.2(UK)14  SaferWorld
F2.2.2(UK)15  ISIS
F2.2.2(UK)16  VERTIC
F2.2.2(UK)17  IISS
F2.2.2(UK)18  GeneWatch (UK)
F2.2.2(UK)19  Omega Foundation
F2.2.2(UK)20  Acronym Institute
F2.2.2(UK)21  Institute of Biology
F2.2.2(UK)22  UK Genetics Forum
F2.2.2(UK)23  Surrey University
F2.2.2(UK)24  Oxford Research Group
F2.2.2(UK)25  Royal Institute of International Affairs (Chatham House)
F2.2.2(UK)26  CREES Birmingham
F2.2.2(UK)27  Scientists for Global Responsibility
F2.2.2(UK)28  Porton Down Veteran’s Support Group
F2.2.2(UK)29  BIOS Centre (LSE)
F2.2.2(UK)30 Institute for Public Policy Research
F2.2.2(USA) United States
F2.2.2(USA)1 FAS
F2.2.2(USA)1.1 Working Group on BW Verification
F2.2.2(USA)1.2 ProMED
F2.2.2(USA)1.3 Collaboration Project on the Biological Sciences
F2.2.2(USA)2 The Nerve Centre
F2.2.2(USA)3 COMBAT
F2.2.2(USA)4 NARMIC
F2.2.2(USA)5 Union of Concerned Scientists
F2.2.2(USA)6 Council for Responsible Genetics
F2.2.2(USA)7 Physicians for Human Rights
F2.2.2(USA)8 Foundation on Economic Trends
F2.2.2(USA)9 AAAS
F2.2.2(USA)10 Council for a Livable World
F2.2.2(USA)10.1 Center for Arms Control & Non-Proliferation
F2.2.2(USA)10.1.1 ACC Scientists Working Group on BC Weapons
F2.2.2(USA)11 Council on Economic Priorities
F2.2.2(USA)12 Heritage Foundation
F2.2.2(USA)13 American Society for Microbiology
F2.2.2(USA)14 Committee for National Security
F2.2.2(USA)15 Stimson Center
F2.2.2(USA)15.1 Poison Gas Task Force
F2.2.2(USA)16 Common Ground
F2.2.2(USA)17 Chemical Weapons Working Group
F2.2.2(USA)18 Military Toxics Project
F2.2.2(USA)19 CBACI
F2.2.2(USA)20 BENS
F2.2.2(USA)21 MIIS
F2.2.2(USA)22 CSIS
F2.2.2(USA)22.1 Strengthening the Global Partnership Project
F2.2.2(USA)23 Human Rights Watch
F2.2.2(USA)24 Center for Security Policy
F2.2.2(USA)25 Univ of Georgia: CITS
F2.2.2(USA)26 Potomac Institute
F2.2.2(USA)27 Carnegie Endowment
F2.2.2(USA)28 Cato Institute
F2.2.2(USA)29 Carnegie Commission on Preventing Deadly Conflict
F2.2.2(USA)30 Stanford CISAC
F2.2.2(USA)31 Johns Hopkins CCBS
F2.2.2(USA)32 20/20 Vision
F2.2.2(USA)33 Arms Control Association
F2.2.2(USA)34 CISSM
F2.2.2(USA)35 Center for Defense Information
F2.2.2(USA)36 DePaul Univ Law College IWCC
F2.2.2(USA)37 Nuclear Watch
F2.2.2(USA)38 Center for Biosecurity, Pittsburgh (UPMC)
F2.2.2(USA)39 GSI Bipartisan Security Group
F2.2.2(USA)40 RANSAC
F2.2.2(USA)41 Nuclear Threat Initiative (NTI)
F2.2.2(USA)42 Center for American Progress
F2.2.2(USA)43 Princeton Woodrow Wilson School
F2.2.2(USA)44 George Mason University biodefence programme
F2.2.2(USA)45 Peace and Security Initiative

F2.2.3 Individuals
F2.2.3.1 Participation lists etc
F2.2.3.2 Published memoirs
F2.2.4 Foundations supporting CBW studies
F2.3 CBW in fiction, drama and other literature
F2.4 The CBW taboo
F2.4.1 Morality and CBW
F2.4.2 Social-science theory [formerly F2.7]
F2.5 CBW in education
F2.5.1 Academic studies
F2.6 CBW information sources [formerly F2.8]
F2.6.1 CBW misinformation
F2.6.2 Picture library
F2.6.3 Video library
F2.7 CBW disinformation [reconcile with F2.1.2]
Subcategory F2.8: Other Studies

Subcategory F3: Human exposure to CBW agents

F3.1 CBW accidents/incidents
F3.1.1 From Aum Shinrikyo
F3.2 Human experimentation
F3.3 Chronic sequelae
F3.3.1 Anti-personnel agents
F3.3.2 Herbicides
F3.3.2.1 In Viet Nam
F3.3.2.2 In USA
F3.3.2.3 In Australia
F3.3.2.4 In Brazil
F3.3.2.5 In South Korea

Subcategory F4: The Sverdlovsk anthrax

#F4.1 Russian & emigre articles
#F4.2 Non-Russian articles
#F4.3 Maps and photographs
#F4.4 Memos and notes
#F4.5 Anthrax-Sverdlovsk news releases
#F4.5.1 March 1993
#F4.5.2 November 1994

Subcategory F5: Yellow Rain

F5.1 Press and other reporting
F5.2 US Government
F5.2.1 ‘Public diplomacy’ releases, etc
F5.2.2 Congressional hearings
F5.2.3 Scientific publications from defence/contractor labs
F5.2.4 Administration papers
F5.2.4.1 Freedom of Information Act releases
F5.3 Non-US governments
F5.4 Intergovernmental organizations
F5.5 Contextual information
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Subcategory F6: Elimination of CBW-weapons capability

F6.1 Demil/detox of CW munition/agents [inc FUDS, abandoned stocks, war remnants, &c]
#F6.1A Chem-demil technology
#F6.1B Steven Harvey-Edgewood general
F6.1.1 USA
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F6.1.2 Other countries [separate folders for Adriatic, Australia, Austria, Baltic, Belgium, Canada, China, France, Germany, Italy, Japan, Netherlands, New Zealand, South Africa, United Kingdom and USSR].
#F6.1.2.17 Soviet Union
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Subcategory F10: CBW business

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F10.2 Companies implicated in CW weapons acquisition
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F10.7 Trade in bio agents
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Subcategory F11: Leads

Subcategory F12: Spinoff and Spinon

F12.1 Spinon technology and other escalators
F12.2 Dual-use biotechnology
F12.2.1 Select agent control
F12.2.2 Offence/defence
F12.2.3 Adverse impacts of dual-use control and wider biodefence measures

Subcategory F13: CBW aspects of Kuwait crisis

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F13.2 UN Special Commission
F13.2.1 Nuclear work
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#Subcategory F14: Military herbicides

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F15.1.1 1993 Chemical Weapons Convention
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  F16.2.2.2  Anti-terrorism measures [see also E2.1.7.1, Res 1540]
    F16.2.2.2.1  G7/P8 bomb convention [previously F16.2.2.2]
  F16.2.2.3  Indictment and trial of Saddam Hussein and associates
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  F16.2.3.1  War Crimes (Former Yugoslavia)
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F16.3  National aspects
  F16.3(Iran)  Iran
  F16.3(UK)  UK
  F16.3(USA)  USA
  F16.3(USA)1  Statutes [including prior legislative process]
    #F16.3(USA)1.1  Maritime
    #F16.3(USA)1.2  Torture
    #F16.3(USA)1.3  Nuclear
    #F16.3(USA)1.4  Hostages
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  F16.3(USA)1.7  CBW treaty statutes
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Subcategory F17:  Conspiracies

Subcategory F18:  Organised crime and WMD

G: RELATED TOPICS
Subcategory GA: Scientific topics

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GA.1.1 Computers

GA.2 Physics
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GA.4.5.1 Genetic engineering
GA.4.5.2 Biotechnology: regulation
GA.4.5.3 Gene therapy
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GA.5.1.1.3(RUS)   In Russia
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GA.5.1.2   Nuclear-reactor (and associated) accidents
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GA.6   Medicine
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GA.6.2.1   Long-term toxicity
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GA.6.2.2   Inhalation toxicology
GA.6.2.3   Ecopharmacology
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**GA.6.2.5   Neuroscience
GA.6.3   Military medicine and surgery
GA.6.4   Clinical medicine
GA.6.4.1   Medically unexplained symptoms
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Guide to the Sussex Harvard Information Bank
GA.7 Environmental topics
  GA.7.1 Environmental impact analysis
  GA.7.2 Environmental impacts of toxic chemicals, etc
  GA.7.2.1 From nuclear-power facilities
  GA.7.3 Environmental impacts of warfare
  GA.7.3.1 Stockholm meeting, 25 May 1981
  GA.7.3.2 Environmental impacts of the military
  GA.7.4 Ecosystem dynamics
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  GA.7.5 Demographic data
  GA.7.6 Biological control
  GA.7.7 Meteorology
  GA.7.7.1 Weather forecasting
  GA.7.8 Global warming and climate change
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GA.8 Social sciences
  GA.8.1 Political science
  GA.8.1.1 International relations
  GA.8.1.2 Human security incl human nature
  GA.8.2 Military history and related historiographical problems
  GA.8.3 Technology studies
  GA.8.4 History and social studies of science
  GA.8.5 Risk analysis and management [see also GA3.8]
  GA.8.5.1 Precautionary principle

GA.9 Law
  GA.9.1 International law
  GA.9.1.1 Vienna Convention
  GA.9.1.2 Law of warfare
  **GA.9.1.2.1 Private military contractors
  GA.9.1.3 Universal jurisdiction
  GA.9.1.4 International Criminal Law and Court
  GA.9.1.5 1988 SUA Convention and Protocol
  GA.9.1.6 Biodiversity law
  GA.9.2 Patent law and practice

Guide to the Sussex Harvard Information Bank
SUBCATEGORY GB: MILITARY TOPICS

GB.1 Military science and technology
GB.1.1 Military electronics
GB.1.1.1 Military robotics (incl UAVs)
GB.1.2 Weapons delivery systems
GB.1.2(USA) US delivery systems
GB.1.2(SOV) Soviet delivery systems
GB.1.2.1 Artillery
GB.1.2.1.1 Multiple rocket launchers
GB.1.2.1.2 Cannon
GB.1.2.1.3 Unguided missiles
GB.1.2.2 Aircraft
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GB.1.2.4 Balloons
GB.1.3 Nuclear weapons/designs
GB.1.3.1 Consequences of nuclear warfare
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GB.1.5 Conventional weapons
GB.1.5.1 Weapons for specific roles
GB.1.5.1.1 Antitank weapons
GB.1.5.1.1(WTO) WTO antitank weapons
GB.1.5.1.1(NATO) NATO antitank weapons
GB.1.5.1.1.1 Tanks as antitank weapons
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| GB.1.5.1.3.2 | Aerial multiple rocket launchers |
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| GB.1.5.1.5.2 | Infantry area weapons |
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| GB.1.5.2.1.1 | Politico-military aspects |
| GB.1.5.2.1.2 | Smart bombs and related |
| GB.1.5.2.1.3 | In the 1973 Arab-Israeli war |
| GB.1.5.3 | Warhead technology |
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| GB.1.5.3.2 | Smoke |
| GB.1.5.3.3 | Explosives |
| GB.1.5.3.3.1 | Fuel-air explosives |
| GB.1.5.3.3.2 | Stun grenades |
| GB.1.5.3.4 | Fragmentation [including DU] |
| GB.1.5.3.5 | Multipurpose munitions |
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| GB.1.5.3.7 | Earth penetrators |
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| GB.1.5.4 | Target effects |
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| GB.1.5.4.2 | Specific data |
| GB.1.5.4.3 | Lethality index |
| GB.1.5.5 | Vietnam War data |
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GB.1.7 Antimaterial chemical/biological weapons
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GB.1.9 Protective technologies
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GB.2 Methods in defence analysis
GB.2.1 Games theory
GB.2.2 Systems analysis
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GB.3 Strategy and doctrine
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GB.3.1.1 Theatre nuclear warfare
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GB.3.4 Targeting doctrine
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GB.4 Force structure
GB.5 Intelligence
GB.5.1 Threat assessment
GB.6 Space
GB.7 Demilitarization and conversion
GB.7.1 Nuclear weapons dismantlement
GB.8 Peacekeeping/intervention
GB.9 Terrorism and antiterrorism
GB.9.1 IEDs
GB.9.2 Radiological terrorism

SUBCATEGORY GC: COUNTRY TOPICS

GC(ARG) Argentina
GC(AUS) Australia
GC(BRA) Brazil
GC(CHI) China
GC(FRA)1 France: Administration
GC(FRA)2.1 Nuclear forces
GC(FRA)7 Intelligence
GC(FRG) FR Germany
GC(GDR) German Democratic Republic
GC(IND) India
GC(IRA) Iran
GC(IRQ) Iraq
GC(ISR) Israel
GC(JAP) Japan
GC(LYA) Libya
GC(NIG) Nigeria
GC(KON) North Korea
GC(NOR) Norway
GC(PAK) Pakistan
GC(RUS) Russia
GC(SER) Serbia
GC(SA) South Africa
GC(KOS) South Korea
GC(SOV)1 Soviet Union: Administration
GC(SOV)1.1 For Science and Technology
GC(SOV)2 Force structure
GC(SOV)2.1 Nuclear
GC(SOV)4 War theory & military doctrine
GC(SOV)5 Weapons acquisition process
GC(SOV)7 Intelligence
GC(SOV-f) Former Soviet Union
GC(SWE) Sweden
GC(SWI) Switzerland
GC(Taiwan) Taiwan
GC(UK)1 United Kingdom: Administration
GC(UK)1.1 Counterterrorism
GC(UK)2 Force structure
GC(UK)2.1 Nuclear forces

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GC(UK)2.2 National Missile Defense
GC(UK)7 Intelligence
GC(UK)9 Arms control
GC(UKR) Ukraine
GC(USA)1 United States: Administration
GC(USA)1.1 Classification policy
GC(USA)1.2 Organisation for R & D
GC(USA)1.3 ACDA
GC(USA)2 Force structure
GC(USA)2.1 Nuclear forces
GC(USA)2.2 National Missile Defense
GC(USA)3 Defence policy documents
GC(USA)3.1 Military manuals
GC(USA)5 Weapons acquisition process
GC(USA)5.1 Neutron bomb programme
GC(USA)6 Logistics
GC(USA)7 Intelligence
GC(USA)7.1 Project MEDEA
GC(USA)8 Directories
GC(USA)9 Arms control
GC(USA)9.1 Arms Control Impact Statements
GC(USA)9.2 Export control policy
GC(USA)9.2.1 Towards Iraq
GC2 International Organizations
GC2(EU) European Union
GC2(NATO) North Atlantic Treaty Organization
GC2(UN) United Nations [formerly GC(UN)]
GC2(IOMC) IOMC
GC2(ICGEB) ICGEB

Subcategory GD: Conflict topics

GD.1 Falklands war, 1982
GD.1.1 Belgrano affair
GD.2 Arab-Israeli wars
GD.2.1   Six Day War, 1967
GD.2.2   New Intifada, 2000
GD.3    Northern Ireland
GD.4    Kosovo war
GD.4.1  “Balkans Syndrome”
GD.5    Enforcement of the Iraqi no-fly zones
GD.6    Operation Desert Fox
GD.7    The ixxi attacks (incl. Inquiry)
GD.7.1  War against Terrorism (incl. Guantanamo)
GD.7.1.1 CBW aspects
GD.8    Invasion of Iraq: impending
GD.8.1  Actual
GD.8.2  UK Hutton Inquiry and its antecedents
GD.8.3  UK Butler Inquiry
GD.8.4  US Silberman-Robb Commission
GD.8.5  Aftermath
**GD.8.6 UK Chilcot Inquiry
GD.9    Invasion of Iran: impending

Subcategory GE: Arms control topics

GE.1    Arms control: theoretical and general
GE.1.1  Technology and arms control
GE.1.2  Verification theory
GE.1.2(SOV)
GE.1.3  Relevant analytical concepts
GE.1.3.1 National Security
GE.1.3.2 National Sovereignty
GE.1.3.3 Human Security
**GE.1.3.4 Non-state stakeholders (incl civil society)
**GE.1.3.5 Secrecy
GE.1.4  Bargaining chip concepts
GE.1.5  Weapons CUSHIE
GE.1.6  Dual technology
GE.1.7  Expanded Cooperative Threat Reduction
GE.1.8  Confidence Building Measures

Guide to the Sussex Harvard Information Bank
GE.1.9        Nuclear Disarmament
GE.2          Arms control talks
GE.2.1        Bilateral USA/USSR [Russia]
GE.2.1.1      INF Treaty
GE.2.1.2      START
GE.2.2        Regional
GE.2.2.1      Open Skies Treaty
GE.2.2.2      Vienna Document
GE.2.3        Multilateral/global
GE.2.3.1      UNSSD
GE.2.3.2      Specific conventional weapons talks
GE.2.3.3      Comprehensive test ban
GE.2.3.4      New weapons of mass destruction
GE.2.3.5      Space
GE.2.3.6      Canberra Commission on the Elimination of Nuclear Weapons
GE.2.3.7      The international generals
GE.2.3.8      Tokyo Forum
GE.2.3.9      Blix Commission
GE.3          Disarmament conspiracy
GE.4          Technology transfer controls and nonproliferation policy
GE.4.1        Missile Technology Control Regime
GE.4.2        CoCom, Wassenaar Arrangement
GE.4.3        Nuclear
GE.4.3.1      Safeguards [incl IAEA, Euratom]
GE.4.3.2      NPT
GE.4.3.2.1    NPT extension
GE.4.3.3      Nuclear Suppliers Group
GE.4.3.4      INFCE
GE.4.3.5      International plutonium management
GE.4.3.6      Fissile cut-off
GE.4.4        Container Security Initiative
GE.5          Compliance/non compliance/treaty violations
GE.6          Negative security assurance
GE.7          Verification technology
GE.7.1        Satellite imaging

Guide to the Sussex Harvard Information Bank
GE.8  Governmental arms-control institutions
GE.9  Armament transparency

Subcategory GF: Special topics

GF.1  Armament process
GF.1.1  Assimilation
GF.1.1.1  Assimilation: notes
GF.1.2  Armament process and disarmament
GF.1.3  Models of the arms race
GF.2  The 'Spy Dust' affair
GF.3  Cameroon catastrophe, August 1986
GF.4  Euthanasia/execution by poison
GF.5  Propaganda and disinformation
GF.6  Spanish toxic oil disaster
GF.7  Nuclear theft and terrorism
GF.8  Arms trade
GF.8.1  Clandestine supply of Iran
GF.8.2  UN Conventional Arms Register
GF.9  Leads?
GF.9.1  Red Mercury
GF.10  Quasinuclear weapons
GF.11  Police weapons
GF.12  Gladio
GF.13  Toxicants and crime
GF.14  Dual-use technology transfers
GF.14.1  Importers
GF.14.1.1  Iraq
GF.14.2  Exporters
GF.14.2.1  UK firms
GF.14.2.2  Scott Inquiry [holdings through 1996 in Interim Storage]
GF.15  Individuals
GF.16  Mystery illnesses
GF.17  Holocaust
GF.18  Information sources

Guide to the Sussex Harvard Information Bank
GF.18.1 Internet [formerly GF.18]
GF.18.1.1 Electronic conferences [inc mail-lists]
GF.18.1.2 Websites
GF.18.2 Electronic data-bases
GF.18.2.1 Data-base documentation [formerly GF.19]
GF.18.2.2 Search engines &c
GF.19 Spider webs
GF.20 Disease and security
GF.21 Natural CBW

Subcategory GH: Documentary sources (non-CBW)

Subcategory GI: Author files (non-CBW)
H: DOCUMENTARY SOURCES

Subcategory H1: League of Nations and UN document series

H1.1  League of Nations
   H1.1.1  Temporary mixed commission
   H1.1.2  Geneva Arms Trade Conference, 1925
   H1.1.3  Preparatory Committee for the Disarmament Conference
   H1.1.4  League Disarmament Conference

H1.2  United Nations
   H1.2.1  Economic and Social Council
   H1.2.2  Security Council
   H1.2.3  General Assembly
   H1.2.4  Secretariat
      H1.2.4.1  Daily lists of documents
      H1.2.4.2  Press releases etc
      H1.2.4.3  Expert groups
   H1.2.5  Specialised agencies
      H1.2.5.1  World Health Organisation
      H1.2.5.2  UN Environment Programme
   H1.2.6  Disarmament Commission
   H1.2.7  UNSCOM/UNMOVIC
   H1.2.8  UN University

Subcategory H2: Other inter-governmental document series

H2.1  WEU
H2.2  ENDC/CCD/CD
H2.3  BWC
   H2.3.1  First Review Conference (1980)
   H2.3.2  Second Review Conference (1986)
      H2.3.2.1  Ad Hoc Experts' meeting (1987)
   H2.3.3  Third Review Conference (1991)
      H2.3.3.1  VEREX first session

Guide to the Sussex Harvard Information Bank
H2.3.3.2   VEREX second session
H2.3.3.3   VEREX third session
H2.3.3.4   VEREX fourth session
H2.3.4   Special Conference (1994)
H2.3.4.1   Ad Hoc Group first session (4-6 Jan 1995)
H2.3.4.2   Ad Hoc Group second session (10-21 Jul 1995)
H2.3.4.3   Ad Hoc Group third session (27 Nov-8 Dec 1995)
H2.3.4.4   Ad Hoc Group fourth session (15-26 July 1996)
H2.3.4.5   Ad Hoc Group fifth session (16-27 Sept 1996)
H2.3.4.6   Ad Hoc Group sixth session (3-21 March 1997)
H2.3.4.7   Ad Hoc Group seventh session (3-21 March 1997)
H2.3.4.8   Ad Hoc Group eighth session (15 Sep - 3 Oct 1997)
H2.3.4.9   Ad Hoc Group ninth session (5-23 Jan 1998)
H2.3.4.10  Ad Hoc Group tenth session (9-13 March 1998)
H2.3.4.11  Ad Hoc Group eleventh session (22 June -10 July 1998)
H2.3.4.12  Ad Hoc Group twelfth session (14 Sept- 9 Oct 1998)
H2.3.4.13  Ad Hoc Group thirteenth session (4-22 Jan 1999)
H2.3.4.14  Ad Hoc Group fourteenth session (29 March-9 April 1999)
H2.3.4.15  Ad Hoc Group fifteenth session (28 June -23 July 1999)
H2.3.4.16  Ad Hoc Group sixteenth session (13 Sept - 8 Oct 1999)
H2.3.4.17  Ad Hoc Group seventeenth session (22 Nov-10 Dec 1999)
H2.3.4.18  Ad Hoc Group eighteenth session (17 Jan-4 Feb 2000)
H2.3.4.19  Ad Hoc Group nineteenth session (13-31 Mar 2000)
H2.3.4.20  Ad Hoc Group twentieth session (10 Jul – 4 Aug 2000)
H2.3.4.21  Ad Hoc Group twenty-first session (20 Nov – 8 Dec 2000)
H2.3.4.22  Ad Hoc Group twenty-second session (12.23 Feb 2001)
H2.3.4.23  Ad Hoc Group twenty-third session (23 April – 11 May 2001)
H2.3.4.24  Ad Hoc Group twenty-fourth session (23 Jul – 17 Aug 2001)
H2.3.5   Fourth Review Conference (1996)
H2.3.6   Fifth Review Conference (2001)
H2.3.6.1   The New Process
H2.3.7   CBM returns
H2.3.8   Sixth Review Conference (2006)
H2.3.8.1   Implementation Support Unit
H2.3.8.2   Intersessional process
H2.4  NATO
H2.5  GICCW Canberra, 1989
H2.5.1  GICCW Canberra 1989, workshop papers
H2.5.2  GICCW Canberra 1989, INFO/Series papers
H2.5.3  GICCW Canberra 1989, Plenary Papers
H2.5.4  GICCW Canberra 1989, Media Liaison Office
H2.6  CWC
H2.6.1  Paris signature ceremony, 13-15 Jan 1993
H2.6.2  OPCW Preparatory Commission
H2.6.2.1  Papers from national delegations
H2.6.2.2  Papers from PrepCom structures
H2.6.3  OPCW Conference of the States Parties
H2.6.3.1  First session (May 1997)
H2.6.3.1.1  Papers from national delegations
H2.6.3.1.2  NGO handouts
H2.6.3.1.3  Other papers
H2.6.3.2  Second session (Dec 1997)
H2.6.3.2.1  Decisions
H2.6.3.2.2  Director-General papers
H2.6.3.2.3  National papers
H2.6.3.3  Third Session (Nov 1998)
H2.6.3.3.1  Decisions
H2.6.3.3.2  Director-General papers
H2.6.3.3.3  National papers
H2.6.3.4  Fourth Session (Jun/Jul 1999)
H2.6.3.4.1  Decisions
H2.6.3.4.2  DG Papers
H2.6.3.4.3  National Papers
H2.6.3.5  Fifth Session (May 2000)
H2.6.3.5.1  Decisions
H2.6.3.5.2  DG papers
H2.6.3.5.3  National papers
H2.6.3.6  Sixth Session (May 2001)
H2.6.3.6.1  Decisions
H2.6.3.6.2  DG papers
H2.6.3.6.3 National papers
H2.6.3.7 Seventh Session (7-11 October 2002)
H2.6.3.7.1 Decisions
H2.6.3.7.2 DG papers
H2.6.3.7.3 National papers
H2.6.3.8 Eighth Session (20-24 October 2003)
H2.6.3.8.1 Decisions
H2.6.3.8.2 DG papers
H2.6.3.8.3 National papers
H2.6.3.9 Ninth Session (29 Nov – 3 Dec 2004)
H2.6.3.9.1 Decisions
H2.6.3.9.2 DG papers
H2.6.3.9.3 National papers
H2.6.3.10 Tenth Session (7-11 Nov 2005)
H2.6.3.10.1 Decisions
H2.6.3.10.2 DG Papers
H2.6.3.10.3 National papers
H2.6.3.11 Eleventh Session (5-8 Dec 2006)
H2.6.3.11.1 Decisions
H2.6.3.11.2 DG Papers
H2.6.3.11.3 National papers and statements
H2.6.3.12 Twelfth Session (5-9 Nov 2007)
**H2.6.3.13 Thirteenth Session [2-5 Dec 2008]
**H2.6.3.13.1 Decisions
**H2.6.3.13.2 DG papers
**H2.6.3.13.3 National papers and statements
**H2.6.3.14 Fourteenth Session [30 Nov - 4 Dec 2009]
H2.6.4 OPCW Provisional Technical Secretariat
H2.6.4.1 Journal
H2.6.4.2 OPCW Synthesis and Supplement
H2.6.4.3 Regional Seminars
H2.6.4.4 PTS educational seminars
H2.6.4.5 National Authority training courses
H2.6.4.6 Information Series
H2.6.5 OPCW Executive Council
H2.6.5.1  OEWG on RevCon 2
H2.6.6  OPCW Technical Secretariat
H2.6.6.1  Journal and Official Documents weekly lists (LoD-series)
H2.6.6.2  S-series documents
H2.6.6.3  Secretariat Briefs
H2.6.6.4  Chemical Disarmament (formerly OPCW Synthesis)
H2.6.6.5  Scientific Advisory Board
H2.6.6.6  Ad hoc meetings
  H2.6.6.6.1  On Saxitoxin (23-24 Sept 98)
  H2.6.6.6.2  1st Annual NA/Industry meeting, June 1999
  H2.6.6.6.3  UK/OPCW Challenge Inspection seminar, 11 Feb 00
  H2.6.6.6.4  2nd Annual NA/Industry meeting, May 2000
  H2.6.6.6.5  Legal Co-operation seminar, Feb 2001
  H2.6.6.6.6  UNITAR/IOMC November 2002
H2.6.6.7  Other OPCW publications
  H2.6.6.7.1  Weekly list of documents
  H2.6.6.7.2  Electronic
H2.6.6.8  Confidentiality Commission
H2.6.7  OPCW CSP Special Sessions
  H2.6.7.1  New Director General (SS-1)
  H2.6.7.2  First CWC Review Conference (28 Apr – 9 May 03)
    H2.6.7.2.1  Open Forum (1 May)
    H2.6.7.2.2  National statements
    H2.6.7.2.3  National papers
    H2.6.7.2.4  Director-General papers
    H2.6.7.2.5  Technical Secretariat papers
    H2.6.7.2.6  Other formal conference papers
  H2.6.7.3  Tenure Policy (SS-2)
  H2.6.7.4  Second CWC Review Conference (7 - 18 April 2008)
    H2.6.7.4.1  Open Forum (9 April)
    H2.6.7.4.2  National Statements
    H2.6.7.4.3  National papers
    H2.6.7.4.4  Director-General papers
    H2.6.7.4.5  Technical Secretariat papers
    H2.6.7.4.6  Other formal conference papers

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Amending Rule 8 of CSP/ROP (SS-3)

OPCW Outreach events

Academic Forum

Industry and Protection Forum

NGO - WGRC2 event

Australia Group

Helsinki Commission and OSPAR Commission

European Union

European Parliament

Commission

Council of Ministers

Presidency

Subcategory H3: Material from archives

British archives

Public Records Office

CDE Porton [formerly H3.1.7]

Imperial War Museum [formerly H3.1.8]

Aggregations [holding for H5] [formerly H3.1.9]

CIOS [formerly H3.1.9.1]

BIOS [formerly H3.1.9.2]

Via Freedom of Information Act

KCL Liddell Hart Centre for Military Archives

American archives

US National Archives

Via Freedom of Information Act [holding for H5]

Aggregations [holding for H5]

Documents from WW2 period and earlier

Documents on miscellaneous topics

Appraisals of BW

Radiological warfare

Programme planning for BW/CW/RW capabilities

Classification policy on BW/CW information

Intelligence on USSR CW/BW
H3.2.3.VII   Use policy on BW/CW/RW
H3.2.3.VIII  Chemical Corps technical publications on BW
H3.2.3.IX   NATO CW/BW capabilities/policy
H3.2.3.X    Far Eastern deployment of CW munitions
H3.2.3.XI   Incapacitating CW programme
H3.2.3.1    Chemical Corps
H3.2.3.1.1  Operations Research Group
H3.2.3.2    CIA/SOD
H3.2.3.3    Joint Chiefs of Staff
H3.2.3.4    Defense Science Board
H3.2.3.5    CIA/Princeton
H3.2.4      Bush Presidential Library
**H3.2.5    National Security Archive, Inc
H3.3        Belgian archives
H3.4        Russian archives
H3.5        Private Archives
H3.5.1      Foulkes papers [formerly H3.1.2]
H3.5.2      Barcroft papers [formerly H3.1.3]
H3.5.3      Weir papers [formerly H3.1.4]
H3.5.4      Grigg papers [formerly H3.1.5]
H3.5.5      Wiener library [formerly H3.1.6]
H3.5.6      Zuckerman papers
H3.6        Netherlands archives

Subcategory H4: US Congressional oversight of Defense spending

Most of these holdings are kept in Interim Storage.
The subcategory is broken down by year, each component subfile being labelled with the fiscal year of the budget concerned. For each year there is the following set of subfiles:

H4.1        Posture statements and PEDSs
H4.2        Committee hearings
H4.2.1      Senate Armed Services
H4.2.2      Senate Appropriations
H4.2.3      House Armed Services

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H4.2.4   House Appropriations
H4.2.5   MilCon-Senate subcommittees
H4.2.6   MilCon-House subcommittees
H4.3   Committee reports, etc
H4.4   Press reports
H4.5   Lobbying documents

Subcategory H5: Other governmental papers [incl FoIA papers]

H5.1   US organs
H5.1.1   US Congress
H5.1.1.1   US General Accounting Office
H5.1.1.1.1   Reports of GAO reports
H5.1.1.2   Executive-branch reports to Congress &c
H5.1.1.2.1   Environmental Impact Statements
H5.1.1.2.2   CB Obligations Reports
H5.1.1.2.3   Arms Control Impact Statements
H5.1.1.2.4   Arms control compliance reports
H5.1.1.2.5   Proliferation reports
H5.1.1.2.6   Combating terrorism
H5.1.1.3   Library of Congress [inc. Congressional Research Service]
H5.1.1.4   Congressional enquiries
H5.1.1.4.1   Ratification of the Geneva Protocol
H5.1.1.4.2   Ratification of the Biological Weapons Convention
H5.1.1.4.3   Ratification of the Chemical Weapons Convention
#H5.1.1.4.3ff   [Harvard subdivisions]
H5.1.1.4.4   Confirmation hearings
H5.1.1.5   Bills, &c
H5.1.1.6   Congressional Budget Office
H5.1.1.7   US Institute of Peace
H5.1.1.8   Office of Technology Assessment
H5.1.1.9   Congressional Record
H5.1.2   US Administration
H5.1.2.1   White House
H5.1.2.1.1   National Security Council

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H5.1.2.1.2    Working Group on the CWC
H5.1.2.1.3    Homeland Security Council
H5.1.2.1.4    Office of Management and Budget
H5.1.2.2    US Arms Control and Disarmament Agency
H5.1.2.3    US Central Intelligence Agency
H5.1.2.3.1    Nonproliferation Center
H5.1.2.3.2    National Intelligence Council
H5.1.2.3.3    DCI Counterterrorist Center
H5.1.2.3.4    Office of the Director of National Intelligence
H5.1.2.4    US State Department
H5.1.2.5    US Defense Department
H5.1.2.5.1    Office of the Secretary of Defense
H5.1.2.5.1.1    ASTIA etc
H5.1.2.5.1.1.1    DTIC search printouts
H5.1.2.5.1.1.2    CBIAC
H5.1.2.5.1.2    DARPA
H5.1.2.5.1.3    Defense Science Board
H5.1.2.5.2    Organization of the Joint Chiefs of Staff
H5.1.2.5.2.1    Institute for Defense Analyses
H5.1.2.5.2.2    Unified and Specified Commands
H5.1.2.5.2.3    Defense Intelligence Agency
H5.1.2.5.2.4    Defense [Nuclear][Special Weapons] Agency
H5.1.2.5.2.5    On-Site Inspection Agency
H5.1.2.5.2.6    Defense Threat Reduction Agency
H5.1.2.5.3    Department of the Army
H5.1.2.5.3.1    Army Chemical Corps
H5.1.2.5.3.1.1    Chemdemil subsidiaries and organs [formally, Chemical Materiel Destruction Agency] [PM for Chemdemil, from ca 1990]. In October 1992 subsumed within US Army Chemical Material Destruction Agency, which by 1993 also had a PM for Non-Stockpile Chemical Material.
H5.1.2.5.3.1.2    [subsumed within new H5.1.2.5.3.1.1]
H5.1.2.5.3.1.3    [subsumed within new H5.1.2.5.3.1.1]
H5.1.2.5.3.1.4    CBDCOM
H5.1.2.5.3.1.5    SBCCOM
H5.1.2.5.3.1.6    US Army Chemical School

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| H5.1.2.5.3.3 | Edgewood Arsenal               |
| H5.1.2.5.3.4 | Frankford Arsenal             |
| H5.1.2.5.3.5 | Fort Detrick etc              |
| H5.1.2.5.3.6 | Dugway Proving Ground etc     |
| H5.1.2.5.3.7 | Army Toxic & Hazardous Materials Agency |
| H5.1.2.5.3.8 | Natick                       |
| H5.1.2.5.3.9 | Picatinny                    |
| H5.1.2.5.3.10 | US Army FSTC                |
| H5.1.2.5.4 | Department of the Navy        |
| H5.1.2.5.4.1 | Marine Corps                 |
| H5.1.2.5.5 | Department of the Air Force   |
| H5.1.2.5.6 | National Defense University   |
| H5.1.2.6 | US Department of Commerce    |
| H5.1.2.6.1 | Clearinghouse (CFSTI)         |
| H5.1.2.6.1.1 | Abstracts                    |
| H5.1.2.6.1.2 | Computer-search printouts    |
| H5.1.2.6.1.3 | CFSTI-released translations  |
| H5.1.2.6.1.4 | CFSTI-released foreign documents |
| H5.1.2.7 | US Department of Agriculture |
| H5.1.2.8 | US Department of Health etc   |
| H5.1.2.8.1 | Centers for Disease Control & Prevention (CDC) |
| H5.1.2.8.2 | NSABB                        |
| H5.1.2.9 | US Department of Energy      |
| H5.1.2.10 | Counterproliferation Program Review Committee |
| H5.1.2.11 | Dept of Justice              |
| H5.1.2.11.1 | Federal Bureau of Investigation (FBI) |
| H5.1.2.11.2 | National Institute of Justice |
| H5.1.2.12 | CWC National Authority       |
| H5.1.2.13 | US Information Agency        |
H5.1.2.14 Commission on National Security/21st Century
H5.1.2.15 Com to Assess the Org of Fed Govt to Combat WMD proliferation
H5.1.2.16 Gilmore Commission on CBRN Terrorism
H5.1.2.17 US Department of Homeland Security
H5.1.2.18 US Environmental Protection Agency
H5.1.2.19 US Customs Service
H5.1.2.20 Silbermann-Robb WMD Intelligence Commission
H5.1.2.21 US Institute of Peace
H5.1.2.22 Graham Commission on the Prevention of WMD Proliferation and Terrorism

H5.1.3 Private US organs
H5.1.3.1 US National Academies (incl National Academy of Sciences)
H5.1.3.1.1 NRC/BAST
H5.1.3.1.2 CISAC
H5.1.3.1.3 NAS/NRC Archives
H5.1.3.2 Universities
H5.1.3.3 Think tanks [Includes: American Institutes for Research; Armour Research Foundation; Associated Engineers and Consultants; Battelle Memorial Institute; Bionetics Research Labs Inc; Booz-Allen Applied Research; Cornell Aeronautical Labs. Inc; Franklin Institute; Geomet Technologies Inc; Melpar; Midwest Research Institute; Mitre Corp; Operations Research Office; Operations Research Inc; Public Safety Group; RAND; Research Triangle; Science Applications International Corporation; Southern Research Institute; Standard Research Institute; The Travellers Research Centre Inc.]
H5.1.3.4 Industry [Includes: Arthur D Little, Inc; AVCO Corp; E. I du Pont de; Engelhard Industries Inc; GCA; General Electronic Company; Lever Bros Co; Litton Systems Inc; Merck and Company; Monsanto; Shell Development Co; Whirlpool Corporation.]
H5.1.3.4.1 Chemical Manufacturers Association
H5.1.3.4.2 MATAC
H5.1.3.4.3 NBC Industry Group
H5.1.3.4.4 Contractor companies
H5.1.3.5 Association of Chemical Officers/CmlC Reg Assoc
H5.1.3.5.1 First Gas Regiment Association
H5.1.3.6 US National Laboratories
H5.1.3.7 American Defense Preparedness Assoc (ADPA)
H5.1.3.8 American Bar Association
H5.1.3.9 Jason Group
H5.1.4 Joint US-UK organs
H5.1.4.1 Combined Chiefs of Staff

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H5.1.4.2 Combined Intelligence Objectives Subcommittee
H5.2 British organs
H5.2.1 Parliament
H5.2.1.1 Hansard
H5.2.1.2 Committee reports
H5.2.1.3 House of Commons Library
H5.2.1.4 Govt reports to Parliament [inc original responses to PQs]
H5.2.1.5 National Audit Office
H5.2.1.6 POST
H5.2.1.7 Bills, etc
H5.2.2 Administration
H5.2.2.0 Cabinet Office
H5.2.2.1 Ministry of Defence
H5.2.2.1.1 Porton [holdings through 1993 in reserve storage]
H5.2.2.1.2 Defence NBC School
H5.2.2.1.3 Sutton Oak and Nancekuke
H5.2.2.1.4 JACIG
H5.2.2.1.5 Defence Evaluation and Research Agency (DERA)
H5.2.2.1.6 JDCC
H5.2.2.1.7 DRIC
**H5.2.2.1.8 DSTL
H5.2.2.2 BIOS
H5.2.2.3 Foreign & Commonwealth Office
H5.2.2.3.1 SIS
H5.2.2.4 Home Office
H5.2.2.4.1 Security Service (MI5)
H5.2.2.5 Department of Trade & Industry / Dept. for BERR
H5.2.2.6 CWC National Authority
H5.2.2.7 CAMR
H5.2.2.8 Health and Safety Executive (HSE)
H5.2.2.9 Dept of Health
H5.2.2.10 Health Protection Agency
**H5.2.2.11 DEFRA
H5.2.3 Judiciary
H5.2.3.1 Scott Inquiry

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H5.2.3.2  Hutton Inquiry
H5.2.4  Private UK organs
H5.2.4.1  The Royal Society
H5.3  Canadian organs
H5.3.1  Parliament
H5.3.2  Administration
H5.4  FRG organs
H5.4.1  Parliament
H5.4.1.1  Official reports
H5.4.2  Administration
H5.4.3  Judiciary
H5.5  Russian organs
H5.5.1  Parliament
H5.5.2  Administration
H5.6  Netherlands organs
H5.6.1  Parliament
H5.7  Belgian organs
H5.7.1  Parliament
H5.8  French organs
H5.8.1  Parliament
H5.9  Australian organs
H5.10  Swedish organs
**H5.11  GDR organs