Index

Abbas, Abul 67
Abdouhalima, Mahmud 41
Acambis (Biotech Company) 160
Adjoran, Walter 330
Advisory Committee on Immunization Practices (ACIP) 161
Afghanistan 28, 59, 66–67, 81, 82
Agricultural Terrorism 7, 195–218
Definitions 196
Economic Costs 209–217
In Intentional Attacks 209
In Natural Outbreaks of Disease 209–212
Naturally Occurring Disease
Outbreaks 203–206, 210
Dioxin Contamination in Belgium 210–211
Foot-and-Mouth Disease (FMD) 203–212
In the United Kingdom and Other European Union Countries 203–206, 209–210
Economic Impact 204–205, 209–210
Political Impact 205
Ministry of Agriculture, Fisheries, and Food (UK) 205
In Taiwan 211
In the United States 211–212
Preparedness and Cost 214–216
Department of Homeland Security 214–216
Animal and Plant Health Inspection Service (APIS) 214–215
Plum Island Animal Disease Center 214–216
Department of Justice 214
National Security Council 214
United States Department of Agriculture (USDA) 214–216
Social and Political Costs 212–213
Agricultural Workers 213
Consumer Confidence 212
Subnational Agricultural Attacks 196, 197–203, 209
Attacks outside United States 198
Monterey Center for Nonproliferation Studies
Agricultural Terrorism (cont.)
  WMD Database 197–198, 209
  Motivations 198–203
  Extortion and Intimidation 198–199
  In Alabama 198
  In Kenya 198
  In the Philippines 198
  In South Africa 199
  In Turkey 198–199
  Individual Revenge 202
  Political 199–202
  Arab Revolutionary Council 200–201
  In Australia 201
  In Israel 200–201
  In Italy 200–201
  In Sri Lanka 201
  In Uganda 201
  Single Issue Fanaticism 202–203
  Surveillance 196–197
  U.S. Agricultural Diversity 196, 206–209, 217
  Concentrated and Vulnerable Crops and Produce 207–209
  Al Qaeda 58, 66–67, 78–79, 81, 85, 86, 91, 177n.4, 179, 180, 182–183, 229–230
  Aleph See Aum Shinrikyo
  American College of Emergency Physicians (ACEP) 128, 130, 132
  American Hospital Association 146, 148

144–145, 152, 190, 191, 258
Anthrax Vaccines 157–159
Article 51 of UN Charter 66
Asahara, Shoko 373
Association for Professionals in Infectious Control and Epidemiology 146
Ashcroft, John 46, 48
Atkins, Humphrey 423
Atlanta Olympic Attack (1996) 21, 69
Atta, Mohamed 69
Attacks on U.S. Military Targets in Saudi Arabia 58, 67

Bacillus anthracis See Anthrax, Anthrax Attacks of 2001
Barbera, Joseph 9, 454
Bin Laden, Osama 58, 67, 85, 180
Biological Weapons and Terrorism 6, 7, 9, 47, 65, 66, 97–173
See also Agricultural Terrorism, Counterterrorism
Agents 103–105
Bacteria and Viruses 103
Toxins 103
Antibiotics 98
Attack Characteristics 111–114, 166
Detection Methods 111
Incorrect Diagnosis 111, 133
Incubation Period 112–113
Person-to-Person Transmission 113
Psychological Consequences 113–114
Attack Planning and Scenarios 109–111, 117, 164
Casualty Figures 164
Credible Threats 111
No-Notice Release 110, 117
Threats and Hoaxes 109
Bloomberg, Michael 232
Botulism 99, 167, 168
Brucellosis 164, 166, 168
Category A Agents 168
Category B Agents 168
Category C Agents 169
Chemical Weapons, Compared to 101, 104, 105, 126–127
Cholera 166, 168
Clostridium botulinum See Botulism
Coxiella burnetti See Q Fever
Dark Winter Exercise 160
Decontamination 151–152
Defense Threat Reduction Agency (DTRA) 105
Public Health System 126–128, 132–141
Hantavirus Example 133
West Nile Virus Example 133, 136
Sensors 123, 127, 132, 133, 141–143
Army Biological Integrated Detection System (BIDS) 142
Biological Aerosol Sentry and Information System (BASIS) 143
Portal Shield 141–142
Salt Lake City 2002 Olympics Implementation 141, 143
Surveillance Methods 138
Dissemination 104, 105–107, 111
Aerosol Form 105–107, 111
Food Contamination 107, 111
Water Supplies 107, 111
Ebola 99, 157, 168
General Accounting Office (GAO) Studies 105, 118–119
Glanders 166, 168
Hospital Preparation 146, 147–148
Immunization See Prophylaxis and Immunization
Melioidosis 168
Planning 153–154
Pneumonic Plague 113, 166
Preparedness 98–99, 101–102, 114–119
Preparedness before September 11, 2001 98–99, 117–118
Production 104–105
Proliferation 100–101
Prophylaxis and Immunization 153–162
Personnel 154
Pharmaceuticals 154–162
Strategic National Stockpile 155–156
Ciprofloxacin 156
Doxycycline 156
Vaccines 157–162
Anthrax 157–159
Smallpox 159–162
Response Programs 143–151, 255, 265, 268
Federal Response Plan (FRP) 144, 151
Salmonella enterica 104
Targets 108–109
High Profile Targets 109
High Traffic Targets 109
Indoor Targets 108
TOPOFF 147, 153
Training 129–132, 147
Treatments and Treatment Capacities 112, 116
Tularemia 102, 111, 112, 164, 166, 168
Blanco, Ernesto 2
Boston Public Health System 136
Bush, George W. 18, 25, 27, 34, 44, 47, 48, 63, 88, 122, 124, 125, 161, 242

Cameron, Gavin 8, 452
Carter, Ashton 3–4, 447–448
Caulkins, Jonathan 5, 449
Central Intelligence Agency (CIA) 30, 46–47, 88–89, 230
Chemical Weapons See Sarin Nerve Gas
Clinton, Bill 118, 239
Cohen, William 43
Colville, Viscount 326
Communication Interoperability between Emergency Personnel 10, 299–341
European Interoperability 321–340
Belgium and ASTRID Network 328, 329, 330, 332
Compared to United States 335–337
Czechoslovakia 327
European Radiocommunications Committee (ERC) 326, 336
European Telecommunications Standards Institute (ETSI) 327, 336
European Union 323, 326, 328, 335–336
European Union Police Co-Operation Council 326
France 327
Frequency and Standards 325–327
Funding 327–330
Galtuer, Austrian example 321–323
North Atlantic Treaty Organization (NATO) 326
Schengen Group 325–326
Trans European Trunked Radio Networks (TETRA) 324–325, 327, 329, 330–333
Walky-Talky 330–333, 339
In Austria 330–333
Benefits of Private Development 330–331
Public Sector Users 331–332
Private Users 332
State EMS Agency 330–332
TETRA Network 330–333
In United Kingdom 333, 339
Airwave Network 333, 339
British Telecom 333
Examples of Problems 299–301, 303
Columbine High School (1998) 10, 299–300, 303
Oklahoma City Bombing (1995) 301
Digital Television Transfer (DTV) 309–310
Public Safety Wireless Advisory Committee (PSWAC) 309
Federal Emergency Management Agency (FEMA) 316, 319–320
Obstacles 302–321, 334–338, 409
Defining Common Frequency and Standard 304–314, 335–337
American Network Standards Institute 312
Cellular Phone Example 304–305
Electronic Industries Alliance (EIA) 312
Groupe Special Mobile (GSM) 336
Motorola 312
Need for Digital Technology 307
Network Requirements 306–308
Project 25 Standard 312–314
Telecommunications Industry Association (TIA) 312
Trans European Trunked Radio Networks (TETRA) 313–314
Finding a Suitable Technology 303–304
Capital Need to Replace Existing Communications Infrastructure 315–316
Community Oriented Policing Services–Making Officer Redeployment Effective Grants (COPS–MORE) 316
Congressional Funding 316
Edward Byrne Memorial State and Local Law Enforcement Assistance Program 316
Local Law Enforcement Block (LLEBG) 316
National Telecommunications and Information Administration 316–317
Type-1 Strategy 334, 336, 338
Type-2 Strategy 334–335, 337, 338, 339
Pragmatic Alternatives, Obstacles to 318–321
Technological Innovation 306–308
Public Safety Wireless Network (PSWN) 311
Transatlantic Lessons for Interoperability 338–340
Counterterrorism, Civil Liberties Issues 13, 90, 411–446 See also Counterterrorism, International Examples, United Kingdom
Counterterrorism Institutions and Institutional Challenges 3–6, 17, 20–55
Attribution Capacities 28
Cold War Precedents 26
Containment Capacities 28
Cost Analysis 34
Counterterrorism Mobilization and Sunset 35–36
Detection and Surveillance Capabilities 28
Emergency and Response Institutions 38–41
American Red Cross 40
Federalism 39–41
Integrated Action 38–41
Natural Disasters 38
Private Organization 40
Relationship with Prevention and Mitigation Institutions 38
Federalism 39–41
Forensics 35
Interdiction Capacities 28, 35
Invention Capacities 28
Local Governments 22, 35, 39, 40, 48, 50–52
Managerial Skills 22
“Means of Terrorism” Intelligence 33
National Security Council (NSC) 26–27, 43, 44
Nunn-Lugar Threat Reduction Initiative 28, 33–34
Presidential Decision Directive Number 62 (PDD-62) 23
Presidential Decision Directive Number 63 (PDD-63) 23, 24
Characteristics of WMD Attacks 356
Gas Defense Kits (GDKs) 362, 366–370
Medical System 362–364
Medicine Stocks 364
Shiba Hospital 362
Triage and Decontamination 363
Operational Procedures 361–362
Inner-Perimeter Command Post 361
Outer-Perimeter Command Post 361–362
Organization and Responsibility 357–361, 363, 364
Cabinet Level Decisions 357
Combating Terrorism Headquarters 359
For Terrorist Incidents 358–359
In “Limited State of Emergency” 358, 364
Hizballah Rocket Attacks 364
Israeli Defense Forces 358–361, 363, 364
Home Front Command (HFC) 358–361, 363, 364
Knesset 358
Media 361
Ministry of Defense 358, 360
Preventative Strikes 352
Public Participation and Civil Guard 351–352
Target Hardening 350–351
Debate on Distributing Gas Defense Kits (GDKs) to Entire Population 367–369
During Persian Gulf War 367
Home Front Command 367–369
Matza, Yehoshua 369
Mordechai, Yitzhak 368

Counterterrorism Institutions and Institutional Challenges (cont.)
Preventative Capacities 28
Prevention and Mitigation Institutions 38–41
Federalism and 39–41
Integrated Action 38–41
Invasions 38
Relationship with Emergency and Response Institutions 38
Protection Capacities 28
“Red Team and Blue Team” 31–32
Reorganization Challenges 30
Science and Technology Institutions 32
State Governments 22, 35, 39, 40, 48, 50–52
Transnational Intelligence 32–33
Counterterrorism, International Examples 10–13, 345–410
Israel 11–12, 62–63, 67, 345–370
Countermeasures 11–12, 62–63, 67, 349–370
Assassinations 67
Lack of Comprehensive Strategy 349–350
Legal Measures 352–354
British Defense Regulations (State of Emergency) (1945) 352–353
Directive for the Prevention of Terrorism 353–354
Preparedness for Conventional Mass Casualty Attacks 354–356
Prevention of Weapons Smuggling 355
U.S. Aid for Counterterrorism 355–356
Preparedness for Weapons of Mass Destruction Attacks 356–364
Ofir, Gabi 368
Sarid, Yossi 368
Debate on Homeland Preparedness versus Unconventional Weapons 365–367
Economic Issues 365–366
Gas Defense Kit (GDK) Distribution 366–367
Neighbors’ Development of Missiles and WMD 365
Obviating Nuclear Response Temptation 366
Scud Missile Attacks Against Israel 366
International Targets 348–349
Palestinian Terrorism in Israel and Administered Territories 346–348, 354
Abu Nidal Organization (ANO) 354–355
Democratic Front for the Liberation of Palestine 347n.6
El Al Airlines Attack 350
Fatah 348
Hamas 348
Hostage Incidents 347
Kiryat Shmona 347
Ma’alot Incident 347, 348
Palestinian Islamic Jihad (PIJ) 348
Palestine Liberation Organization (PLO) 348, 350
Popular Front for the Liberation of Palestine (PFLP) 347n.5
Suicide Bombings 347, 350, 355
TWA Airliner Explosion 347
Japan 11, 12, 18, 41, 42, 99, 105, 117, 371–410
Aum Shinrikyo 11, 12, 18, 41, 42, 99, 105, 117, 177n.4, 231, 371–377, 394, 402–405, 407, 409,
Background 373–375
Electoral Campaign 373

Relationship with Japanese Intelligence Organizations 374
Religious Corporation Law (1951) 374
Biological and Chemical Weapons Experiments 99, 105
In Countries besides Japan 393
Matsumoto Sarin Attack 376–378
Cultural Context 375–376
Attitudes toward Terrorism 375–376
Japanese Constitution 375
Counterterrorism and Management Strategies 12, 379–407
Communication Problems 391–395
Improvements 394–395
Tokyo Metropolitan Ambulance Control Center (TMACC) 391–392
Tokyo Municipal Fire Department (TMFD) 392
With General Public 393
Compensation for Damages 404–405
Claims against Aum Shinrikyo 405
For Victims of Sarin Attacks 404
Workers’ Compensation Claims 404
Consequence Management 379–380
Incident Management 386–391
Cabinet Office of Crisis Management 390, 391
Council on NBC Terrorism 390
Counterterrorism, International Examples (cont.)
Crisis Classifications for Preparing Attack Response Plans 388
Deputy Chief Cabinet Secretary of Crisis Management 389–390
Formal Response Plan 389
Incident Management System 386
Interagency Communication 387–389
National Police Agency (NPA) 386, 388
Self Defense Force (SDF) 386, 388
Tokyo Municipal Fire Department (TMFD) 386–387
Law and Law Enforcement 402–404
Anti-Subversive Activities Law 403–404
Group Regulation Act 403
Law Related to the Prevention of Bodily Harm Caused by National Police Agency 403
Raid of Aum Shinrikyo Compound 402
Revision of Police Law 403
Revision of Religious Corporations Laws 403
Major Consequence Management Issues 382–386
Problem Identification 382–385
Bureaucratic Problems 384
National Police Agency (NPA) 383
Self Defense Force (SDF) 383
Subway Employees 382–383
Subsequent Revisions to Major Consequence Management Issues 385–386
Chemical Agent Information Distribution 385
Self Defense Force (SDF) 385
Training and Simulations 385–386
Medical Surge Capacity 398–402
Assessment and Attending to Disaster Site 398–399
Kawasaki Medical School Hospital 400
Patient Transportation 399
Saint Luke’s Hospital 399, 400
Tokyo Municipal Fire Department (TMFD) 398
Tokyo National Disaster Center 401
“Worried Well” 400
Metropolitan Response in Tokyo 380–381
Emergency Lifesaving Technicians (ELSTs) 380
Tokyo Metropolitan Ambulance Control Center (TMACC) 380
Tokyo Metropolitan Fire Department (TMFD) 380
National Crisis Management Agencies 381–382
National Police Agency (NPA) 381–382
Self Defense Force (SDF) 381
Personal Protection and Decontamination 395–398
Improvements 397–398
Emergency Lifesaving Technicians (ELSTs) 396
Fire Disaster Management Agency 397
National Police Agency (NPA) 397–398
Saint Luke’s Hospital Workers 396–397
Self Defense Force 396, 397
Subway Workers 395
Psychological Recovery 405–407
Lessons for United States 407–410
Decontamination 408
Interagency Cooperation 408–409
Legal Preparation 409
Medical Surge Capacity 408
Psychological Issues 409–410
State and Local Governments 410
Self Defense Force (SDF) 408
United Kingdom and Northern Ireland Conflict 13, 411–446
Civil Authorities (Special Powers) Acts 411, 413–414
Civil Authorities (Special Powers) Acts 412
Establishment of a “Hierarchy of Rights” 440–446
Emergency Provisions Acts (EPAs) 440
Protection from Terrorism Acts (PTAs) 440, 441
Right to Freedom from Fear 442–443
Right to Life 441–443
Right to Self-Determination 441–442
Special Powers Acts (SPAs) 440
History 413–416
Articles of Agreement for a Treaty between the Irish Free State and Britain (1921) 413
Birmingham Pub Bombings (1974) 415
Civil Authorities (Special Powers) Acts (1922–1943) 413–414, 415
Irish Republican Army (IRA) 415, 426
Northern Ireland Parliament 413, 414
Prevention of Violence (Temporary Provisions) Acts (PVAs) 415
Prevention of Terrorism (Temporary Provisions) Acts (PTAs) 415–416
Import of Emergency Legislation 425–429
Birmingham Pub Bombings 425
Emergency Provisions Acts (EPAs) 427–428
Jellicoe Report 426
Labour Party 426–427
Prevention of Terrorism Bill 425
Proscription 425–426
Prevention of Terrorism Acts (PTAs) 426–428
Irish Republican Army (IRA) 411, 420
International Influence 432–440
Brannigan & McBridge v. UK 435
Brogan and Others v. UK 434–435
Draft Prevention of Terrorism (Temporary Provisions) 433
European Court 434–435
International Attention 432
Legislation 433
Prevention of Terrorism Acts (PTAs) 432, 433
Laws and Treaties 433–440
Anglo-Irish Agreement 439
Emergency Provisions Acts (EPAs) 436
European Convention on Human Rights and
Counterterrorism, International Examples (cont.)

<table>
<thead>
<tr>
<th>Topic</th>
<th>Page(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fundamental Freedoms</td>
<td>434-435, 437</td>
</tr>
<tr>
<td>European Convention for the Suppression of Terrorism</td>
<td>437</td>
</tr>
<tr>
<td>International Convention on Civil and Political Rights</td>
<td>433–434</td>
</tr>
<tr>
<td>International Humanitarian Law of Armed Conflict</td>
<td>439</td>
</tr>
<tr>
<td>Police and Criminal Evidence Act</td>
<td>433</td>
</tr>
<tr>
<td>Prevention of Terrorism Acts (PTAs)</td>
<td>437</td>
</tr>
<tr>
<td>Protection of Victims of International Armed Conflict</td>
<td>439</td>
</tr>
<tr>
<td>Protocol to the Geneva Conventions of 1949</td>
<td>439</td>
</tr>
<tr>
<td>United Nations Charter and Self-Determination</td>
<td>438–439, 440</td>
</tr>
<tr>
<td>Lessons for Liberal Democratic States</td>
<td>443–446</td>
</tr>
<tr>
<td>Counterterrorism Legislation</td>
<td>443–444</td>
</tr>
<tr>
<td>Emergency Provisions Acts (EPAs)</td>
<td>443</td>
</tr>
<tr>
<td>Prevention of Violence Acts (PVAs)</td>
<td>443</td>
</tr>
<tr>
<td>Special Powers Act (SPAs)</td>
<td>443</td>
</tr>
<tr>
<td>Terrorism Act of 2000</td>
<td>443</td>
</tr>
<tr>
<td>Northern Ireland (Emergency Provisions) Act</td>
<td>411</td>
</tr>
<tr>
<td>Overlap between Criminal Law and Counterterrorism Measures</td>
<td>429–432</td>
</tr>
<tr>
<td>Criminal Evidence (Northern Ireland) Order</td>
<td>430–431</td>
</tr>
<tr>
<td>Offenses under Emergency Provisions Acts (EPAs)</td>
<td>429–430</td>
</tr>
<tr>
<td>Offenses under Prevention of Terrorist Attacks (PTAs)</td>
<td>430</td>
</tr>
<tr>
<td>Offenses under Special Powers Acts (SPAs)</td>
<td>430</td>
</tr>
<tr>
<td>Police and Criminal Evidence Act</td>
<td>431</td>
</tr>
<tr>
<td>Reasons for Perseverance of “Emergency Legislation”</td>
<td>412–413</td>
</tr>
<tr>
<td>Terrorism Act (2000)</td>
<td>411</td>
</tr>
<tr>
<td>Primary Factors Contributing to Retention of Emergency Laws</td>
<td>416–421, 444</td>
</tr>
<tr>
<td>Apparent Effectiveness (Decrease in Level of Violence)</td>
<td>416–417</td>
</tr>
<tr>
<td>Emergency Provisions Acts (EPAs)</td>
<td>417</td>
</tr>
<tr>
<td>Prevention of Terrorism Acts (PTAs)</td>
<td>417</td>
</tr>
<tr>
<td>Special Powers Acts (SPAs)</td>
<td>417</td>
</tr>
<tr>
<td>Ethnic Divisions</td>
<td>418–420</td>
</tr>
<tr>
<td>Republican Activities</td>
<td>418–419</td>
</tr>
<tr>
<td>Unionist Activities</td>
<td>419–420</td>
</tr>
<tr>
<td>Government of Ireland Act</td>
<td>420</td>
</tr>
<tr>
<td>Prior Emergency Factors</td>
<td>421–425</td>
</tr>
<tr>
<td>Act for the More Effectual Suppression of Local and Dangerous</td>
<td>421</td>
</tr>
<tr>
<td>Associations in Ireland</td>
<td>421</td>
</tr>
<tr>
<td>Act for the Suppression of Rebellion</td>
<td>421</td>
</tr>
<tr>
<td>Act for the Suppression of Rebellion in Ireland</td>
<td>421</td>
</tr>
<tr>
<td>Coercion Acts</td>
<td>421</td>
</tr>
<tr>
<td>Criminal Law and Procedure (Ireland) Act</td>
<td>422</td>
</tr>
<tr>
<td>Emergency Provisions Acts (EPAs)</td>
<td>422, 424</td>
</tr>
<tr>
<td>Northern Ireland Act</td>
<td>424</td>
</tr>
</tbody>
</table>
Northern Ireland (Young Persons) Act 424
Peace Preservation (Ireland) Acts 422
Prevention of Crime (Ireland) 421–422
Protection of Life and Property in Certain Parts of Ireland Act 421
Protection of Person and Property (Ireland) Act 421
Special Powers Acts (SPAs) 422
Counterterrorism Strategies 3–6, 41–55, 57–71 See also Counterterrorism Institutions and Institutional Challenges
After September 11, 2001 45–55, 59–71
Bioterrorism Prevention 47
Budgetary Approaches 45, 50, 54
Homeland Security Advisory System 49–50
Local Government 50–53, 54
Regional Cooperation 53
State Government 50–53, 54
Transportation Security Agency (TSA) 46
USA PATRIOT Act 49, 254–255
Article 51 of UN Charter 66
Before September 11, 2001 41–45, 58–59
Anti-Terrorism and Death Penalty Act (1996) 42
Executive Order 12947 (1994) 42
Local Government Strategies 44–45
Nunn-Lugar-Domenici Amendment (1996) 42–43, 44
State Government Strategies 44–45
TOPOFF 43-44
Preventative Strategies 60–71
In Foreign Countries 60–63, 67–68
Assassinations 62, 67
Limitations of U.S. Capacities 62, 67
Reducing Grievances 62
Role of Foreign Governments 62, 67–68
Military Options 68
Restricting Access to Targets 63, 64–65
Restricting Resources for Terrorist Attacks 63–66
Role of Foreign Governments 64
Rewards for Information 70
Tracking Terrorist Organizations in United States 69–70
Cyber Attacks 7–8, 219–249
Federal Response to Cyber Attacks 237–244
Bush Administration Policy 242–244
Federal Computer Intrusion Response Center (FedCirc) 243
National Communication System 243
National Infrastructure Simulation and Analysis Center (NISAC) 243
President’s Critical Infrastructure Protection Board (PCIPB) 24
Early Efforts at Infrastructure Protection 238–239, 244
Critical Infrastructure Working Group (CIWG) 238–239
### Cyber Attacks (cont.)

- **Gramm-Leach-Bliley Act (GLB)** 244, 248
- **Health Infrastructure Portability and Accountability Act (HIPAA)** 244, 248
- **Infrastructure Protection Task Force** 239
- **President’s Commission on Critical Infrastructure Programs (PCCIP)** 239
- **Presidential Decision Directive 63 (PDD-63)** 239–242
- **Critical Infrastructure Assurance Office (CIAO)** 242, 243
- **Information Sharing and Analysis Centers (ISACs)** 240
- **National Information Protection Center (NIPC)** 241, 243, 245
- **National Infrastructure Advisory Council (NIAC)** 240–241
- **International Components** 234–238
- **Legal Limitations of Investigations** 235–237
- **Mutual Legal Assistance in Criminal Matters Treaties (MLATs)** 236–237
- **Policy Recommendations** 244–248
- **Assistance to State and Local Governments** 246
- **“Best Practices”** 245
- **CyberAlertness during National Conflict** 244–245
- **Institute for Information Infrastructure Project (I3P)** 248
- **Legal Mechanisms** 246–248
- **Operational Warning and Response Functions** 245–246
- **Research and Development** 247–248
- **Secure Critical Information Assets** 245
- **Range of Cyber Attackers** 225–234
- **Criminal Groups** 232–233
- **Foreign Intelligence Services** 228–229
- **“Hactivism”** 231–232
- **Information Warfare** 226–228
- **Insiders** 234
- **Recreational Hackers and Virus Propagators** 233–234
- **Terrorists** 229–231
- **Types of Cyber Attacks** 221–227
  - Compound Attacks 225
  - Distributed Denial of Service Attacks (DDoS) 222–223, 226, 227
  - Domain Name Server (DNS) Attacks 222
  - Exploiting Router Vulnerabilities 225
  - Malicious Code 223–225
  - Web Defacements and Semantic Attacks 221–222
- **Dagan, Meir** 359
- **Daschle, Tom** 2, 153
- **DeAtley, Craig** 9, 455
- **Defense against Weapons of Mass Destruction Act** See *Nunn-Lugar-Domenici Amendment*
- **Department of Agriculture** 214–216
- **Chemical and Biological Incident Response Force** 43
Domestic Preparedness Program 129, 147
Electronic Surveillance System
for Early Notification of
Community-Based Epidemics 137
Portal Shield 141–142
U. S. Northern Command
(USNORTHCOM) 266
Department of Energy 119,
137–138, 140, 143
Biological Aerosol Sentry and In-
formation System (BASIS) 143
Rapid Syndrome Validation Pro-
ject (RSVP) 137–138
Department of Health and Hu-
man Services 21, 26, 43,
98, 119–132, 142, 145–146,
149, 154–156, 158–161,
170–173, 215, 292
Budget 119, 121, 124–126,
134–135, 145, 156, 161–162,
170–173
Centers for Disease Control
(CDC) 43, 120, 121, 123,
124, 128, 130, 133–140,
142, 145, 146, 153, 155,
156, 157, 158, 160–162,
170–171, 190, 199, 215
Bioterrorism Preparedness and
Response Program (BPRP) 121
Health Alert Network (HAN)
121, 130, 134–135
Laboratory Response Network
(LRN) 121, 138–140
National Electronic Disease Sur-
veillance System (NEDSS) 134
Rapid Response Advance Tech-
nology (RRAT) Labs 139
Strategic National Stockpile 121,
124, 155–156, 158
Health Resources and Services
Administration (HRSA)
120, 121–122, 124, 128,
132, 145
Bioterrorism Hospital Prepared-
ness Program 122
National Institutes of Health
(NIH) 124, 125, 126, 140
Office of Emergency Prepared-
ness (OEP) 43, 120, 124,
128, 129, 131–132, 145,
146, 149, 155
Metropolitan Medical Response
System (MMRS) 43, 120,
124, 131–132, 145, 155
National Medical Response
Teams (NMRTs) 149–150,
154, 155
Natural Disaster Medical System
(NDMS) 120–121, 130–131,
149–151
Disaster Medical Assistance
Teams (DMATs) 149–150,
154
Noble Training Center 129–
130
Department of Homeland Security
27, 30–31, 46, 48–50, 88,
89, 119, 122–124, 132, 143,
144, 149, 156, 163, 241,
243, 246, 247, 248, 264
Department of Justice 21, 23, 26,
42, 43, 46, 48, 77–78, 119,
147, 215, 241
Antiterrorism Task Forces 48
Office of Domestic Prepara-
dness Support 43
Office of State and Local Do-
mestic Preparedness Sup-
port See Office of Domestic
Preparedness Support
Organized Crime and 77–78
Department of State 20, 23, 88
Department of Transportation
45–46
Department of Treasury 24
Department of Veterans Affairs 119, 131, 149
De Valera, Eamon 419
Diplock, Lord and Diplock Court System 419, 422, 436
Donohue, Laura 13, 456–457

Eitan, Rafael 357
Executive Session on Domestic Preparedness (ESDP) xi–xiv
Evron, Yair 366

Federal Bureau of Investigation (FBI) 20–21, 30, 42, 43, 46–47, 58, 78, 88, 109, 110, 140, 241, 246, 277, 393, 409
Counterterrorism Office 46–47
Hazardous Materials Unit (HMRU) 140–141
National Domestic Preparedness Office 43
Federal Emergency Management Agency (FEMA) 21, 42, 144, 147, 255, 265, 268, 271, 316, 319–320
Filoviruses 157, 168
Freeh, Louis 110

Gardiner, Lord 436

Hailsham, Lord 425
Hamburg, Margaret 133
Harris, Eric 299
Hashimoto, Ryutaro 406
Henderson, D. A. 102, 144, 148
Heymann, Philip B. 5, 448–449
Hoffman, Bruce 110
Cold War Precedents 26
Command and Control Approach 23–24
Department of Homeland Security Approach 24–25
Interagency Coordination Approach 25, 27, 28
Lead Agency Approach 24
Need for New Capabilities 25
White House Coordinator Approach 25
Howitt, Arnold 4, 448
Hussein, Saddam 179–180
Irish Republican Army (IRA) 62, 411, 415, 420, 426
Israel 11–12, 62–63, 67, 345–370 See also Counterterrorism, International Examples
Ivri, David 357
Japan 11, 12, 18, 41, 42, 99, 105, 117, 371–410 See also Counterterrorism, International Examples
Jellicoe, Lord 426, 432
Jenkins, Roy 415–416, 423–424
Joint Commission on Accreditation of Healthcare Organizations (JCAHO) 146
Kayyem, Juliette 9, 453–454
Kennan, George 26
Klebold, Dylan 299
Kleiman, Mark 5, 450
Klein, David 365
Koblentz, Gregory 6, 450–451

La Costa Nostra (LCN) 77–78, 91
Leahy, Patrick 2
Legal Problems with U.S. Domestic Biological Weapons Preparedness Programs in United States 253–281
Control of Access to Information 271–273
Doctrine of Prior Restraint 272
First Amendment 272
Pentagon Papers 272
Control of Transport Terminals and Quarantine 268–270
Japanese Internment and World War II 269
Public Health Laws 269
Special Quarantine in Time of War 268–270
Countering Terrorism and Existing Law 254–258
Categories of Law and Corresponding Authorities 255–256
Federalism 257
U.S. Constitution 257–258
Declaring Formal State of Emergency 261, 264–266
Martial Law and the Military 261, 264–266
National Guard 264
Posse comitatus 264–266
Stafford Disaster and Emergency Act 265
U.S. Northern Command (USNORTHCOM) 266
Fourth Amendment Issues 273–277
Immigration Law 260
Legislation in Planning for Biological Attack 279–280
Mandatory Vaccinations and Medical Treatment 276
Medical Procedures 260–261
Model State Emergency Health Powers Act 279
Racial and Group Identification 277–279
Fourteenth Amendment 277–279
Profiling of Arab and Muslim U.S. Residents 277
Religious Liberties 278
Reasonable Suspicion and Its Impact on Legal Standards 274–277
Required Notification of State and Local Authorities 270–271
Seizure of Community and Private Assets 267–268
Congressional Role 267
Defense Production Act (1950) 267–268
Executive Role 267
Special Challenges of Biological Counterterrorism 258–261
Compared to Conventional Terrorism 258–261
Model State Health Emergency Powers Act 261
Levi, Moshe 359
Litterick, Tom 424
Local Governments 22, 35, 39, 40, 48, 50–52, 125, 132, 134–135, 145–147, 173
Lundgren, Ottilie 2
Macintyre, Anthony 9, 455
Marine Corps Chemical Biological Incident Response Force (CBIRF) 117, 140–141, 150, 155n.246
Economic Consequences 189
Government Response over
Lifetime of Attack 188–189
Jurisdictional Issues 188, 189
Department of Energy (DOE) 188
Environmental Protection
Agency (EPA) 188, 189
Federal Emergency Manage-
ment Agency (FEMA) 188
Nuclear Regulatory Commiss-
ion (NRC) 188, 189
High Enriched Uranium (HEU) 178
“Information Paradox” 187–188
Local Response 187–188, 194
Prevention and Preparation
Against 192–194
Plutonium 178
Psychological Consequences 189–191
Public Communication after
Attack 190–191
Risk Assessment 185–186
State Response 187–188, 194
Use of Radiological Weapons 156, 184–185
“Dirty Bomb” 184–185
Risk Assessment 184–185
Use of Nuclear Weapon 176–181
Terrorist-Built Weapon Scen-
ario 177–179
Theft of Nuclear Weapons by
Terrorist Scenario 180–181
Transfer of Nuclear Weapon to
Terrorists Scenario 179–180
Iraq–al Qaeda Example 180
Taliban–al Qaeda Example 179
Nunn-Lugar Threat Reduction Ini-
tiative 28, 33–34

Office of Homeland Security
27–30, 47–48, 88 See also Department of Homeland Se-
curity
Oklahoma City Bombing (1995)
18, 41, 42, 44, 238, 274,
283, 300–301
Okumura, Tetsu 400
Osterholm, Michael 154
Pakistan 179, 191
Pangi, Robyn 4, 12, 448
Pate, Jason 8, 451–452
Plague 111, 113, 164, 168
Presidential Decision Directive
Number 62 (PDD-62) 23,
43, 119, 132, 239–240
Presidential Decision Directive
Number 63 (PDD-63) 23,
24, 43, 239–242
Q Fever 99, 111, 164, 166, 168
Radiological Terrorism See Nuclear
Terrorism
Rees, Merlyn 442
Rcin 167, 168
Ridge, Tom 25, 27, 30, 48, 88, 89,
219
Reuter, Peter 5, 449–450
Rudolph, Eric 69
Sarin Nerve Gas 363, 372n.4,
377–379, 382–383, 395
Senn, Werner 322–323
Shafir, Herzl 359
Shahak, Ammon 357
Shackleton, Lord 426, 432
Shalala, Donna 119
Sharon, Ariel 357
Smallpox 111, 113, 166, 168
Smallpox Vaccine 159–162
Stallard, A. W. 423
Staphylococcal Enterotoxin B (SEB) 111, 167, 168
State Governments 22, 35, 39, 40, 48, 50–52, 125, 132, 134–135, 145–147, 173
Stern, Jessica 114
Stevens, Robert 2, 97
Supreme Court of the United States 257, 267, 269, 272, 274–275, 277, 278
Korematsu Case 278
Sherbert v. Verner 278

Terrorism 18–23, 28–30, 59, 61–63, 66–69, 76–78, 81–82
Catastrophic Terrorism 18–23, 28–30
Financing 61, 81, 84–86
Recruitment 61–63, 82
Organization 61, 66–67, 76–78
State Sponsorship 59, 66–67, 68–69, 81–82
Training 61, 82
Terrorist Attacks of September 11, 2001, and Their Impact 1, 17, 37, 45, 57, 97, 161, 182, 219, 253, 264, 283–284, 372
Thompson, Tommy 160
Truman, Harry S. 267

United States Security and Foreign Policy Priorities 17, 18–22, 28–30
A-List Priorities 17, 18, 22, 28–30
Catastrophic Terrorism 18–23, 28–30
Collapse of Soviet Union 18
Conflict Prevention 22
Dual Front Wars 17
Growth of China 18
Information Warfare 22
Proliferation of WMD 18, 22
Peacekeeping 17, 22

U.S. Army Medical Research Institute on Infectious Diseases (USAMRIID) 130, 139, 151
U.S. Army Soldier Biological Chemical Command (SBCCOM) 153
U.S. Bombing of Libya 66, 68
U.S. Commission on National Security/21st Century 48
U.S. Embassy Bombings in Kenya and Tanzania 41, 58
U.S. Security before September 11, 2001 58–59
U.S. War in Afghanistan 59, 82
U.S. Secret Service 232

Vatis, Michael 7, 452–453
Viral Hemorrhagic Fevers 111, 112, 113, 156–157, 167

Waco, Texas FBI Raid 300
Walsh, James 6–7, 451
“War on Drugs” Compared to “War on Terrorism” 5–6, 73–93
Civil Liberties 90
Colombia 78–79, 83
Coordination and Strategy 86–87, 92, 93
Domestic Aspects 74, 92
Drug Enforcement Agency (DEA) 86, 88, 89
Financial Investigation 84–86, 91, 92, 93
Incapacitation Strategy 79–81, 91, 92
Interdiction Strategy 81–84, 91, 92
Medellin Cartel 78–79
National Drug Control Strategy 87
Office of National Drug Policy (ONDP) 87–88, 89
<table>
<thead>
<tr>
<th>Organized Crime Parallel 77–78, 91</th>
<th>U.S. Military Campaign in Panama (1989) 82</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kennedy, Robert F. 77</td>
<td>Whitelaw, William 441</td>
</tr>
<tr>
<td>La Costa Nostra 77–78, 91</td>
<td>World Health Organization (WHO) 159</td>
</tr>
<tr>
<td>Racketeer Influence and Corruption Organizations (RICO) Law 78</td>
<td>World Trade Center Bombing (1993) 41, 42, 300</td>
</tr>
<tr>
<td>Witness Protection Program 78</td>
<td>World Trade Center Attack (2001)</td>
</tr>
<tr>
<td>Organizational Structures 76–78</td>
<td>See September 11, 2001 Terrorist Attacks and Their Impact</td>
</tr>
<tr>
<td>Relationship Between Drug Dealers and Terrorists 85</td>
<td></td>
</tr>
<tr>
<td>Rhetoric and Media, 89–91, 92, 93</td>
<td>Yousef, Ramzi 41, 229</td>
</tr>
<tr>
<td>“Root Causes” 75</td>
<td></td>
</tr>
<tr>
<td>Undercover Operations 76</td>
<td></td>
</tr>
</tbody>
</table>