Osama bin Laden - the End

CBRNE-TERRORISM Newsletter

Volume 38 - 2011



Japan's triple catastrophe CBRN security at London 2012 UK DCBRNC Agroterrorism

Forest Fires can be a Tactic of Terrorism
Climate change and global security
CBRN training for Photographers and TV Crews
Innovative chem-bio sensor
E. Coli 0104 – Terror in Germany

Iran has secretly stocked enriched uranium for 4 nuclear bombs

15 US nuclear reactors are located in

15 US nuclear reactors are located in an active seismic zone



Carry spice could be used to detect explosives How IEDs work What if there is a US-China cyber-war in 2020?

Latin America: Terrorism issues

Volume 38 (Summer 2011)

Copyright® 2011

Editor

BG (ret) Ioannis Galatas MD, MA(Terr), MC
Consultant in Allergy & Clinical Immunology
Medical CBRN Planner
Senior Terrorism/WMD Analyst
CBRN Scientific Coordinator @ RIEAS
VC Greek Intelligence Studies Association (GISA)
Athens, Greece
Contact e-mail: igalatas@yahoo.com

Assistant Editor

Panagiotis Stavrakakis
Hellenic Navy Captain (ret)
MEng, MBA, MSc
PhD student (Chemical Engineering School, NTUA)

Co-Editors/Text Supervisors

Steve Photiou, MD, MSc
Consultant in Internal Medicine &Emergency Medicine
Senior staff member, Emergency Department,
Ospedale Sant'Antonio ULSS 16, Padua, Italy
EMDM Alumni Association Treasurer
Chief, EuSEM Disaster Medicine Section

Nikolaos Kokkotas, MSc

Civil Protection Consultant
Emergency Manager in General Secretariat of Civil Protection
Athens, Greece

Cover

Osama bin Laden

DISCLAIMER

The CBRNE-Terrorism Newsletter® is a free online publication for the fellow civilian/military First Responders worldwide. The Newsletter is a collection of papers related to the stated thematology, relevant sources are provided and all info provided herein is from open Internet sources. Opinions and comments from the Editorial group or the authors publishing in the Newsletter do not necessarily represent those of RIEAS or the Publisher.

Contents

Reading Public

9 Who is reading the Newsletter

Editor's Corner

- 18 Life in Afghanistan 2011
- 22 Building Moderate Muslim Networks
- Which Path to Persia?
- 23 America's Peril: Islamic Extremists' War Strategy Gaining Ground
- 26 Protection fabric gets Israeli patent
- 27 Olympic Games 2012
- 28 Unmanned medical evacuation
- 29 Chest Compression–Only CPR by Lay Rescuers and Survival From Out-of-Hospital Cardiac Arrest
- Will Moscow's Unyielding Stance on Circassian and North Caucasian Political Issues Endanger the 2014 Sochi Olympics?
- 32 Center for Disaster & Extreme Event Preparedness
- 32 Brazil in shock over Rio de Janeiro school massacre
- 34 Do Muslims Gather Every Friday in the Streets of New York City to Pray?
- 36 Destroying One Koran vs. Destroying Many Christians Which is worse?
- 37 U.S. to Use Facebook, Twitter to Issue Terror Alerts
- 38 Defence Chemical Biological Radiological and Nuclear Centre (DCBRNC)
- 41 Russian Muslim leader calls for crescent as part of national emblem
- 42 The CBRN Defence Market 2011-2021
- 43 U.S. CBRN and HAZMAT Incidents Decontamination Technologies and Markets –2011-2016
- 44 Iran 'uncovers Stars espionage virus'
- 44 Iran's Oil Show
- 47 The Latest Enemies of Iran
- **49** Spotting incidents of agroterrorism
- The National Institute for Nuclear, Chemical and Biological Protection (SUJCHBO, v.v.i.)
- **51** Forest Fires can be a Tactic of Terrorism
- A team of robots collaborate in exploration, map building
- 55 Emergency Managers Warm to the Idea of Climate Change
- A different approach on the origins of al Qaeda
- 62 Contours of conflict in the 21st century
- 62 CBRN training for Photographers and TV Crews
- 63 Afghan hospital assaulted amid fears of 'high-profile attacks'
- Do you know what this is?
- 66 India's Army Could Receive WMD-Resistant Gear
- 67 The Two Faces of Al-Nagba
- **70** Germany to scrap nuclear power by 2022
- 72 Shari'a and Violence in American Mosques
- 90 Emergency responders could have jetpacks by year's end

Original Papers

- 94 9/11 ten years on: Terrorism as a manageable risk
- 107 Climate change as legitimate threat to global security

- 4
- Selection of relevant articles: Climate and security 2010's world weather extremes: quakes, floods, blizzards
- 122 China may need 300 years to reverse desertification
- **123** Biting winters driven by global warming: scientists
- 125 Climate change reveals disease as national security threat
- 127 Climate change emerges as disease-related security threat
- **129** Guide for post-traumatic stress syndrome
- 133 Editor's Interview with Jane's

Chem News

- 139 Chemical Corps tests new equipment
- 140 Universal detector made of DNA building blocks
- **142** Breakthrough In Ultra-Sensitive Sensor Technology
- 143 Rep. Rogers: 'Concern' about Libyan 'terrorist threat'
- 144 Libyan rebels sold Hizballah and Hamas chemical shells
- 145 Special operations team hit top Iranian-Hamas arms smugglers in Sudan
- 147 Chemist developing solution to nerve agent exposure
- 148 Innovative chem-bio sensor
- 149 Battery-less chemical detector developed
- 150 Northrop Grumman Launches Portable System For CBRN Incidents
- Public Health Preparedness: Developing and Acquiring Medical Countermeasures Against Chemical, Biological, Radiological, and Nuclear Agents
- 152 EU Chem/Rad Emergency Management Exercise 2011
- **153** HAZAMAT Publications
- 156 Magnetic "nanobeads" detect chemical and biological agents
- 157 New Presentation Of Cyanokit(R) Approved By U.S. FDA
- 158 Military Simulation & Training Magazine
- 158 High performance CWA identifier and TIC detector
- **161** Trees as contamination detectors
- **164** Terrorists may use food poisoning as weapon

Bio News

- **168** Anthrax human 2001 (USA)
- 171 Pentagon Looks to Africa for Next Bio Threat
- 172 Abbott shows new pathogen detector
- 174 IQ Therapeutics Starts Phase I Clinical Trial For Antibody Against Anthrax
- 174 Plague Bacteria: The Condemned Live Longer
- 176 Blood analysis chip detects diseases in minutes
- 177 In Ricin Bioterrorist Attack, Food Prep Surfaces Could Be Decontaminated With House hold Bleach
- 178 International Meeting on Emerging Diseases and Surveillance (IMED 2011)
- 178 BioSecurity N Zealand
- 179 Tools For Identification Of Biological Threats
- 180 Biosensors: A handy kit
- **181** Promising anthrax treatment study results
- 182 Anatomy of a Bioterrorist Attack
- **183** Food-Based Bioterrorism a Growing Threat to U.S.
- **184** Virtual Biosecurity Center (VBC)
- 184 Absence of Smallpox "Take" May Not Indicate Revaccination Failure
- 185 Researchers use app to map spread of infectious diseases
- 187 New technology quickly detects bioattacks on water supply systems
- **188** Face-off Continues Over Smallpox Drug Contract
- 190 White Sleeper Brings Biological Terrorism to American Families
- 191 Secrets of plague unlocked with stunning new imaging techniques

- 193 Should Smallpox Samples In The USA And Russia Be Destroyed?
- 194 Decision on smallpox virus destruction delayed for three years
- 196 Ebola Uganda
- 197 Illegal immigrants bring leprosy back to Greece
- **197** Do Bacteria Play Role in Weather Events?
- 198 Method used in hunting serial killers can be used against killer diseases
- **200** E. coli O104 What do we know so far
- 204 Researchers release complete de novo E. coli O104 genome, details of their detection kit
- 205 British Intelligence: al-Qaeda May Contaminate Food After E.Coli Scare
- 206 Volunteers needed to test ricin vaccine

Dirty News

- **210** JAPAN Nuclear Catastrophe n Aftermath
- 212 The lessons of Fukushima
- 215 Nuclear Accident Risk Map
- 218 Nuclear terrorism is a preventable catastrophe
- 219 10 Riskiest Nuclear Power Plants in America
- 220 10 Riskiest Nuclear Power Plants in America
- 222 Second Suspected Syria Nuclear Site Is Found
- 223 North Korea Nears Completion of Electromagnetic Pulse Bomb
- New technology allows detection of nuclear materials from a mile away
- 225 Fifteen U.S. nuclear reactors are located in an active seismic zone
- 227 Global nuclear bomb sensors used to track Japan's radiation
- 228 Zion's nuclear solution
- 229 Algae might help reduce nuclear waste
- 231 Chernobyl time-line
- 236 Japan: Interesting presentations from International Atomic Energy Agency
- 237 U.S. military robot to help detect radiation at Fukushima
- 238 Radiation Injury After a Nuclear Detonation: Medical Consequences and the Need for Scarce Resources Allocation
- 240 The consequence of a dirty bomb attack
- 241 New material cleans water of radioactive contamination
- 242 Portable Radionuclide Identifier
- 243 Opposition to nuclear power grows in India
- 246 China unveils first nuclear/chemical detection robot
- 247 Radiation Drug Concerns Illustrate Obstacles to Medical Countermeasures
- 248 Five men held outside Sellafield after 'taking pictures'
- 249 Smiths Detection launches new radiation detector
- 250 New Satellite Image of Construction at North Korea Nuclear Site
- 253 The Fukushima Nuclear Disaster in Perspective
- 257 I Saved My Country From Nuclear Blackmail
- 258 Pakistan's Nuclear Surge
- **261** Five steps to prevent another Fukushima
- 263 Simple Method of Dealing With Harmful Radioactive Iodine Discovered
- 263 After bin Laden: Nuclear terrorism still a top threat
- 265 Glimmer of hope for Yucca Mountain nuclear waste repository project
- 267 Cleaning Up Japan's Radioactive Mess with Blue Goo
- 270 Iran has secretly stocked enriched uranium for four nuclear bombs
- 271 Iran pushes ahead with nuke plans, despite seismic warnings
- 273 Astrium GEO-Info Services Looks Back On the Chernobyl Disaster 25 Years Later With EO Technologies
- 274 Robot reports high radiation inside crippled reactors
- 275 A Career U.S. Intelligence Officer on Al Qaeda, Nuclear Terrorism and the Nuclear Threat
- 277 Islam and the Bomb: Religious Justification For and Against Nuclear Weapons

- 281 Chernobyl radiation did not damage abundance, diversity of aquatic life
- 283 Enrichment transfer to Fordo
- 284 IRGC Website On The Day After Iran's First Nuclear Test
- 285 South Asia nuclear weapons race hots up
- 286 Nukes For Africa?
- 288 Iran's Nukes: Apocalypse Soon?
- 290 N. Korea likely can miniaturize nuclear device

Explo News

- 293 IEDs & Suicide Bombing in Afghanistan 2005 to Dec 2010
- 295 Wine testing technology to scan for liquids at airports
- 295 Bomb-sniffing Army dog dies of broken heart after Taliban kill his master
- 298 Vallon showcases innovative mine detector
- 299 Book-bomb attacks in Indonesia
- 300 French unveil IED jammer system
- **301** Curry spice could be used to detect explosives
- **302** Spray-on explosives detector
- 302 New device uses sniffer bees to detect explosives
- 304 Honeybees could also be trained to diagnose disease
- 304 Ultra-sensitive sensor technology detects explosives, cancer
- 310 Army seeks long distance explosive detection scanners for people
- 310 Russia to employ hi-tech bomb-sniffing dog
- 311 Spate of dry-ice bombs explosions in Long Beach, Calif.
- 313 The projected al Qaeda use of body cavity suicide bombs against high value targets
- 315 Al Qaeda used SEGA carts as explosives
- 315 Car-based IED attacks an emerging threat in Mexico
- 317 How IEDs Work
- **321** Michelin developing puncture-proof tires
- 322 Tiny Traces Of Explosives Detected By New Sensor
- 323 New 2-in-1 explosive detector and neutralizer
- Princeton Laser breakthrough will enable sniffing the air at a distance
- Infrared sensors could help police detect suicide vests
- 327 Implant Sciences Launches Bench-Top Explosives and Narcotics Trace Detector
- 329 Breakthrough In Ultra-Sensitive Sensor Technology
- 330 Suicide bombers: expedient tactics, not expression of Islam
- 332 Secret bomb-proofing building design posted on the Web
- 333 New detection system uses ultraviolet light to spot explosives

Cyber News

- 337 Major increase in cyber attacks on China's government
- What if there is a U.S.-China cyberwar in 2020?
- '339 Remote control' computer programs pose terror risks to aeroplanes
- 339 Cybersecurity Ecosystem: The Future?
- 340 Navy calling on gamers to help with security
- 343 Digital ants protect critical infrastructure
- 344 Cyber Combat: Act of War
- 347 Hackers using cloud networks to launch powerful attacks
- Joint EU and U.S. cyber security exercise to be held this year
- 349 ENISA issues final report on 'Cyber Europe 2010'
- 350 Dramatic increase in critical infrastructure cyber attacks, sabotage

Terror News

- 360 American hostages killed by pirates
- Portrait of Sheikh Dr. Yusuf Abdallah al-Qaradawi, senior Sunni Muslim cleric, affiliated with the Muslim Brotherhood

- 7
- 370 How al Qaeda Works. What the Organization's Subsidiaries Say About Its Strength
- 375 Al-Qaeda 'most wanted' plotting attacks on Britain
- 377 Gunman Shouting 'Allahu Akbar' Kills 2 US Airmen in Germany
- 379 New Book: 'Bombshell' Explodes Myths Of Female Terrorist Motivation
- **380** Financial terrorism suspected in 2008 economic crash
- 382 Oromo Liberation Front calls for "Egyptian and Tunisian-style revolution" in Ethiopia
- 384 Popular Movements in the Middle East and the Role of al-Qaeda
- 388 Terrorism from the Gaza Strip since Operation Cast Lead Data, Type and Trends
- **391** Will Libya Again Become the Arsenal of Terrorism?
- 395 Osama Bin Laden
- 397 Mini radar system offers added security
- 397 Studying counterterrorism in Israel upsets Cambridge residents
- 400 A new threat: organized crime, terrorists links
- **401** Middle East illegal attempts to ship weapons
- 412 What Do the Uprisings in The Middle East Mean for al-Qaeda?
- 414 Muslim Brotherhood
- 416 After Mubarak: Egypt's Islamists Struggle to Adapt to the Egyptian Revolution
- 418 Piracy and Maritime Terrorism
- 418 Robot swarm to aid rescue teams
- 419 HAZAMAT Publications
- 423 New Issue of Al Qaeda's Inspire Magazine Aims For Rapid Repositioning
- 426 Radical Islam Monitor in Southeast Europe
- 426 12 Myths of 21st-Century War
- 431 Beware of the MSA in the USA
- 432 Solidarity in Resistance: Middle East Revolutions Strengthen Hezbollah
- 436 Al Qaeda acquiring weapons in Libya
- 437 How many people from terrorism-sponsoring states enter the U.S. illegally?
- 440 Picking Up Where the Red Army Faction Left Off: Tales from the German Jihad
- 442 Al-Qaeda 'trains 100 Europeans' for attack
- 443 Terror Quartet plots al-Qaida attacks
- 444 Russian terror concerns for 2014 Olympics
- 445 Movie: The Third Jihad
- 447 Darpa's Hologram Goggles Will Unleash Drone Hell
- 448 Inviting terror targets in New York City poorly guarded
- 449 Special Event Planning
- **450** Border security: Razor wire is a game changer
- 452 Missiles, Money and Migration: The Impact of the Libyan Crisis on the African Sahel
- **455** Fatalities in Terrorist Violence in Pakistan 2003-2011
- 456 The Global Threat of Terror Ideological, Material and Political Linkages
- **457** Terrorist Trial Report Card Update April 2011
- 458 Anti high-seas piracy coalition launches public campaign
- **459** Publications from The Jamestown Foundation
- 460 Internet Websites and Links for (Counter-)Terrorism Research
- 469 Selected Literature on Terrorism and Religion
- 476 50 Un- and Under-researched Topics in the Field of (Counter-) Terrorism Studies
- 478 Strategic Trends 2011 Key Developments in Global Affairs
- 481 Latin America: Terrorism Issues
- **484** EUROPOL EU Terrorism Situation
- 487 Al Qaeda Stirs Again
- 488 Radicals trained for terrorism at British mosques, Guantanamo files reveal
- **491** Terrorists Could Exploit Hurricane in U.S.
- **492** Why Pakistan Is the Most Dangerous Place On Earth
- **495** The Middle East-Latin American terrorist connection
- **499** Terrorist Group Setting Up Operations Near Border
- 501 University campuses are 'hotbeds of Islamic extremism'

503	Terrorists discover uses for Twitter
504	Conducting Field Research on Terrorism: a Brief Primer
505	Pass Em' Right: Assessing the Threat of WMD Terrorism from America's Christian Patriots
505	More Swiss train in Islamic militant camps
505	Al Qaeda the deadliest terror organization in history
506	7/7 attacks could not have been prevented
507	The FARC Files: Venezuela, Ecuador and the Secret Archive of 'Raúl Reyes'
507	Jihadis Share Methods of Bringing Down U.S. Predators over Libya
510	Selected Literature on Conflict Prevention, Crime Prevention, Terrorism Prevention
	and Violence Prevention
522	Definition of Terrorism
534	Is the terrorist threat overhyped?
536	Al Qaeda's Crisis of Succession
545	Osama Bin Laden: Chicken or Egg?
547	How safe are U.S. railroads?
549	US Government Developing Data Mining Tools To Fight Terrorism
550	Next Generation Defense Technologies
551	Scientists continue to raise doubts about safety of full body scanners
553	FBI: We want Unabomber's DNA in 1982 laced-Tylenol case
554	Ships increasingly turning to armed guards to combat piracy
555	Al Qaeda's Saif al-Adal masterminded Pakistani base assault
557	Houston ship operators adjust security to new al-Qaida information
558	Explaining Lone Wolf Terrorism
560	US adds Islamic Caucasus Emirate to list of terror groups
562	The Banality of Suicide Terrorism: The Naked Truth About the Psychology of Islamic
	Suicide Bombing
563	Homeland Security testing mind-reading terrorist 'pre-crime' detectors
566	Changing Trends in Maritime Piracy: A New & Major Threat
570	Protective Intelligence Lessons from an Ambush in Mexico
574	\$1,766 for Unabomber's tools. Sold: the bomb-making tools of Theodore Kaczynski
576	QinetiQ's OptaSense to protect India's major oil pipeline
578	Gait biometrics still walking the walk
578	Why did my brother become an extreme Islamist?
581	Best Management Practices to Deter Piracy in the Gulf of Aden and off the Coast of Somalia
581	Deviant Globalization: Black Market Economy in the 21st Century
582	Understanding crowd behavior in disasters
584	2002 Color-code terror alert system
585	Rorschach test for terrorists
587	White House Taking 'Seriously' Al Qaeda's Eying Of America's Gun Show Loophole
588	U.K. unveils new strategy to tackle extremism
589	U.S. Africa Embassy Bombing Suspect Killed in Somalia
591	Intelligence agencies get an inside look at al Qaeda Attacks
593	Communicating in a Crisis: Researchers Devise New Technique to Help Rescuers Com
	municate After Terrorist

Special Insert

594

595

599 Osama bin Laden

New Upcoming Events

- Executive Seminar: Behind the Scenes Seminar of Israel's Counter-Terrorism and Security Operations 640
- Need a professional speaker? CollaBoRatioN 2010
- Answer to the Quiz [Terror News]. Mexico police seize 'narco-tank' used by drug gan

Possible Al-Qaida Hit List Targets Specific Americans

Islamists may attack Womens' World Soccer Cup

GBRNE-TERRORISM Newsletter



CBRNE-Terrorism Newsletter is published quarterly and distributed on-line free of charge

Starting from "Summer 2011" issue all advertisements will be charged as following:

Full page (A4)	€1.000
Half page	€ 700
Quarter page	€ 500
Inside front cover	€1.100
Inside back cover	€1.200
Outside back cover	€1.300

Free capability profile will be provided to all advertisers in the same issue (length: 200 words + one picture + logo in .jpg format)

20% reduction for annual ad inclusion

New features	Original papers from around the globe & new format		
Distribution	+50 countries		
Recipients	Colleagues from more than 550 think tanks, organizations, companies, institutions, ministries		
Free download	http://www.rieas.gr http://www.mendor.gr		
Contact Editor	igalatas@yahoo.com		

Our reading audience comes from **65 countries** all over the world and is constantly expanding. Currently colleagues and affiliates from **over 700** organizations, companies, institutions, ministries and the first responders are recipients of CBRNE-Terrorism Newsletter.



Europe

Greece – The Netherlands – Cyprus – Serbia – Romania – Slovak Republic – Monaco – Iceland – Sweden – Finland – Norway – Croatia – Italy – Belgium – Denmark – Switzerland – Estonia – Luxemburg – Germany – Austria – France – Portugal – Bulgaria – Spain – Poland – United Kingdom

Africa

South Africa - Kenya - Burundi - Nigeria

Middle East

Israel - Jordan - UAE - Saudi Arabia - Qatar - Kuwait - Bahrain - Oman - Iran - Iraq

Asia

Turkey – Russian Federation – India – Japan – China – Pakistan – Afghanistan – Azerbaijan – Singapore – Philippines – Malaysia – Indonesia – Uzbekistan – South Korea – Mongolia – Ukraine – Taiwan

Oceania

Australia - New Zealand

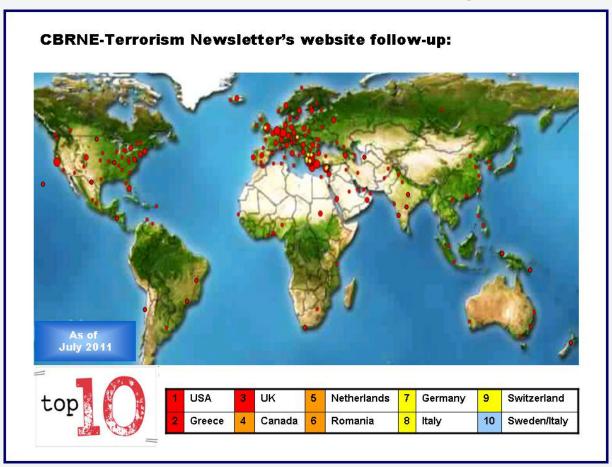
North America

United States of America - Canada

South America

Argentina – Brazil – Peru – Colombia – Mexico – Trinidad & Tabaco

CBRNE-Terrorism Newsletter Website's Follow-up



Our Top-10 Visitors are coming from:

1	United States	6	Romania
2	Greece	7	Germany
3	United Kingdom	8	Italy
4	Canada	9	Switzerland
5	The Netherlands	10	Sweden - Israel





CRISTANINI CBRN DECONTAMINATION SYSTEMS



CONFORM TO THE QUALITY SYSTEM STANDARD AQAP 2110 and ISO 9001:2008



DEPLOYABLE CBRN ANALYTICAL LABORATORY (STANAG 4632)



DEPLOYABLE BIO LABORATORY CLASS III BIO SECURITY LEVEL



RICERN TRAILER FOR CERN DECONTAMINATION AND DETOXIFICATION



TSDN-TACTICAL STEAM DECON MODULE



SX34 CBRN DECONTAMINATION OF SENSITIVE EQUIPMENT AND SURFACES



ONLY ONE PERSON
ONLY ONE MACHINE
ONLY ONE PRODUCT





CRISTANINI

37010 RIVOLI - VERONA - ITALY
Tel. +39-045-6269400 - Fax +39-045-6269411
cristanini@cristanini.it - www.cristanini.com



DOMAS LARGE SCALE DECONTAMINATION SYSTEM HIGHLY DEPLOYABLE



DDMAS LARGE SCALE DECONTAMINATION SYSTEM DUAL OPERATORS



MOBILE SYSTEM FOR AIRCRAFT DECONTAMINATION



SANUET C 1126 HR CBRN DUAL OPERATOR DECONTAMINATION AND DETOXIDICATION COOLIN



CBRN PRODUCTION LINE