



USAF Center for Unconventional Weapons Studies

AWC/CUWS, 125 Chennault Circle
Maxwell AFB, AL 36112-6427



Annual Report – Academic Year 2017

Mission: Develop Air Force, DoD, and other USG leaders to advance the state of knowledge, policy, and practices within strategic defense issues involving nuclear, biological, and chemical weapons

Goal 1: *Educate Airmen and other USG leaders on how to think critically about the operational and strategic implications of unconventional weapons within the context of military operations*

Professional Military Education:

- Air War College electives: Nuclear Enterprise Issues Research Group (2 terms); Arms Control and Nonproliferation (short course)
- Air War College/Air Command and Staff College joint electives: Homeland Security and Defense; Nuclear Wargames
- Air Command and Staff College electives: The Terrain Walk
- Field trips to HQ Air Staff, Joint Staff, OSD Policy, OSD AT&L, National Nuclear Security Administration, Los Alamos National Laboratory, Sandia National Laboratory, Oak Ridge National Laboratory, FBI New Orleans Field Office, Immigrations and Customs Enforcement New Orleans Field Office, New Orleans Office of Homeland Security and Emergency Preparedness, U.S. Coast Guard, Centers for Disease Control, FEMA Region IV HQ

Professional Continuing Education (enlisted, officers, and civilians):

- Moved command of the Air Force Nuclear College to Air Force Institute of Technology as of April 2016
- Developed and finalized a “Striker Deterrence Basic Course” for Air Force Global Strike Command

Workshops and Courses:

- Participated in a Joint Special Operations University workshop in April to develop a framework for USSOCOM counter-WMD education and leader development
- Hosting a Deterrence and Education Symposium in July at Maxwell AFB (MAJCOM flag officer level)

Expert Speakers Visiting Maxwell AFB:

Mr. Glenn Ward, USSTRATCOM
Dr. Mathew Kroenig, Georgetown Univ.

Mr. Douglas MacIver, DHS



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Goal 2: Produce quality research on relevant unconventional weapon issues that contributes to policy-making while advancing academic scholarship

Original Research:

- CUWS book, “Strategic Deterrence Research Papers, Academic Year 2016,” Dr. Mel Deaile and Mr. Al Mauroni
- CUWS manual, “Chemical and Biological Warfare Overview,” Mr. Al Mauroni
- CUWS monograph, “Eliminating Syria’s Chemical Weapons,” Mr. Al Mauroni
- AWC Professional Study Paper, “Assessing the Uncertainty of Nuclear Deterrence,” Lt Col Robert Steward (AY17 Horner Award)
- ACSC paper, “Bomber Assurance and Deterrence Missions: Effect on North Korean Discourse,” Maj Jonathan King (AY17 Miller Award)
- Three electronic journal articles published on the internet (“War on the Rocks”)

Information Repositories:

- SharePoint site for educational reference material on nuclear deterrence, arms control and nonproliferation, and counter-WMD issues
- Archive of all CUWS Outreach Journals on the CUWS website
- “Deterrence Research Knowledge Center” stood up in May, includes a significant listing of educational courses for Airmen as well as academic research papers and other data

Goal 3: Advise Air Force, DoD, and other USG policy-makers by offering critical insights and analysis on current and future (4-15 yrs) challenges posed by unconventional weapons

Social Outreach:

- CUWS Outreach Journal emailed to more than 2,700 recipients across the national security enterprise – average 30 stories per journal, weekly distribution
- Growing Twitter presence (376 followers, up from 267 last year), supporting DoD and AF outreach efforts

External Engagement:

- Attended 2016 USSTRATCOM Deterrence Symposium
- Attended annual meetings of Southern Political Science Association and International Studies Association
- Attended Carnegie International Nuclear Policy Conference
- Participated in NDU Counter-WMD Education Consortium meeting
- Attended USSTRATCOM Counter-WMD Global Synch Conference
- Developing a Hard Target Defeat wargame for DTRA and Air Force leaders