

Black Tops

A compendium of recently published US Army related EW & CEMA articles

By Tom Zalewski

The following is a list of articles related to EW & CEMA that were recently published in a variety of publications or websites. These are offered in the general interest of the members of the APG Susquehanna Chapter of the AOC.

A special thanks to Leonardo DRS Signal Solutions for their support of the assembly of these Black Tops!

1. **GAO Asks: Exactly How Does CYBERCOM Help After Cyberattacks?** dtd: 30 November 2017; by: Joseph Marks; published on: Nextgov on-line <http://www.nextgov.com/cybersecurity/2017/11/gao-asks-exactly-how-does-cybercom-help-after-cyberattacks/144211/>
2. **Recommendations for a Future National Defense Strategy** dtd: 30 November 2017; by: Mackenzie Eaglen; published on: Senate.gov on-line https://www.armed-services.senate.gov/imo/media/doc/Eaglen_11-30-17.pdf
3. **How the Army hopes to accelerate decision-making** dtd: 01 December 2017; by: Mark Pomerleau; published on: C4ISRNet on-line <https://www.c4isrnet.com/c2-comms/2017/11/30/how-the-army-hopes-to-accelerate-decision-making/>
4. **The Army has a more optimistic view of AI than Elon Musk** dtd: 01 December 2017; by: Mark Pomerleau; published on: C4ISRNet on-line <https://www.c4isrnet.com/it-networks/2017/11/30/heres-how-ai-can-help-the-military/>
5. **Policy Opens the Door for Smartphone Use in Classified Settings** dtd: 01 December 2017; by: Joseph Marks; published on: Nextgov on-line <http://www.nextgov.com/policy/2017/12/policy-opens-door-smartphone-use-classified-settings/144228/>
6. **The Army helmet of the 2030s will have everything** dtd: 01 December 2017; by: Mark Pomerleau; published on: C4ISRNet on-line <https://www.c4isrnet.com/c2-comms/2017/12/01/the-army-helmet-of-the-2030s-will-have-everything/>
7. **The Government's Struggle to Hire Young Tech Talent is Worse Than You Thought** dtd: 01 December 2017; by: Jack Corrigan; published on: Nextgov on-line <http://www.nextgov.com/cio-briefing/2017/12/governments-struggle-hire-young-tech-talent-worse-you-thought/144225/>
8. **The next Sputnik: Here's why US stands to lose technological edge to China** dtd: 03 December 2017; by: Jill Aitoro; published on: DefenseNews on-line <https://www.defensenews.com/digital-show-dailies/reagan-defense-forum/2017/12/03/the-next-sputnik-us-stands-to-lose-technological-edge-to-china/>
9. **With New Testing Rules, Will 2018 Finally Be the Year of the Drone?** dtd: 05 December 2017; by: Louis Ziskin; published on: Nextgov on-line <http://www.nextgov.com/ideas/2017/12/new-testing-rules-will-2018-finally-be-year-drone/144297/>
10. **The dangerous new technology that will make us question our basic idea of reality** dtd: 05 December 2017; by: Hilke Schellmann; published on: Quartz on-line <https://qz.com/1145657/the-dangerous-new-technology-that-will-make-us-question-our-basic-idea-of-reality/>
11. **Army researchers join international team to understand, defeat 'disinformation' cyberattacks** dtd: 05 December 2017; by: ARL Public Affairs; published on: Army.Mil on-line https://www.army.mil/article/197316/army_researchers_join_international_team_to_understand_defeat_disinformation_cyberattacks
12. **The Government's Failure to Keep Up With Technology Is Hurting All of Us** dtd: 06 December 2017; by: Tim Hwang; published on: Government Executive on-line <http://www.govexec.com/excellence/promising-practices/2017/12/governments-failure-keep-technology-hurting-all-us/144345/>
13. **Sifting strains to understand the threat of military targeted malware** dtd: 06 December 2017; by: Claire Apthorp; published on: ArmyTECHNOLOGY on-line <http://www.army-technology.com/features/sifting-strains-understand-threat-military-targeted-malware/>
14. **Defense acquisition head: accountability, and perhaps firings, on the way** dtd: 07 December 2017; by: Aaron Mehta; published on: Defense News on-line <https://www.defensenews.com/pentagon/2017/12/07/defense-acquisition-head-accountability-and-perhaps-firings-on-the-way/>
15. **The comms gaps that worry CENTCOM leaders every day** dtd: 07 December 2017; by: Adam Stone; published on: C4ISRNet on-line <https://www.c4isrnet.com/c2-comms/2017/12/07/the-comms-gaps-that-worry-centcom-leaders-every-day/>
16. **US Army looks to cut typical acquisition timeline in half** dtd: 07 December 2017; by: Jen Judson; published on: Defense News on-line <https://www.defensenews.com/land/2017/12/07/army-looks-to-cut-typical-acquisition-timeline-in-half/>

17. **Senior leadership taking aim at cybersecurity in weapon systems** dtd: 07 December 2017; by: Mark Pomerleau; published on: FifthDomain on-line <https://www.fifthdomain.com/dod/2017/12/07/senior-leadership-taking-aim-at-cybersecurity-in-weapon-systems/>
18. **Protecting secret networks means being more open about threats** dtd: 07 December 2017; by: Mark Pomerleau; published on: FifthDomain on-line <https://www.fifthdomain.com/dod/2017/12/07/protecting-secret-networks-means-being-more-open-about-threats/>
19. **The Pentagon's new tech focus: micro-electronics, hypersonics, and cyber** dtd: 07 December 2017; by: Amber Corrin; published on: C4ISRNet on-line <https://www.c4isrnet.com/it-networks/2017/12/07/between-readiness-and-innovation-who-wins/>
20. **How Does the U.S. Army Calculate Combat Power? “(ツ)”** dtd: 07 December 2017; by: Shawn Woodford; published on: The Dupuy Institute on-line <http://www.dupuyinstitute.org/blog/tag/u-s-army/>
21. **BOOK REVIEW – Instruments of Darkness: The History of Electronic Warfare 1939-1945** dtd: 07 December 2017; by: Robert P. Largess; published on: Navy Historical Foundation on-line <http://www.navyhistory.org/2017/12/book-review-instruments-of-darkness-the-history-of-electronic-warfare-1939-1945/>
22. **Here's how Ellen Lord will reduce acquisition time by 50 percent** dtd: 08 December 2017; by: Aaron Mehta; published on: DefenseNews on-line <https://www.defensenews.com/pentagon/2017/12/08/heres-how-ellen-lord-will-reduce-acquisition-time-by-50-percent/>
23. **How US Army Cyber Command plans to increase employee morale** dtd: 08 December 2017; by: Armin Haracic; published on: FIFTHDomain on-line <https://www.fifthdomain.com/dod/army/2017/12/08/how-us-army-cyber-command-plans-to-increase-employee-morale/>
24. **Kamikaze UAVs, Drones on Leashes, Information Bombs Top Pentagon's Counterterror Wishlist** dtd: 08 December 2017; by: Patrick Tucker; published on: DefenseOne on-line <http://www.defenseone.com/technology/2017/12/information-bombs-top-pentagons-counter-terror-office-wishlist/144427/>
25. **Pentagon comptroller: Using the audit to drive change** dtd: 10 December 2017; by: David Norquist; published on: DefenseNews on-line <https://www.defensenews.com/outlook/2017/12/11/pentagon-comptroller-using-the-audit-to-drive-change/>
26. **US Officials, Lawmakers Warn More Cyberattacks Coming** dtd: 11 December 2017; by: Jeff Seldin; published on: VOANews on-line <https://www.voanews.com/a/us-officials-lawmakers-warn-more-cyberattacks-coming/4158602.html>
27. **The heart of Army acquisition reform? Technology** dtd: 12 December 2017; by: Amber Corrin; published on: C4ISRNet on-line <https://www.c4isrnet.com/it-networks/2017/12/11/the-heart-of-army-acquisition-reform-technology/>
28. **White House Releases Final Tech Modernization Plan** dtd: 13 December 2017; by: Mohana Ravindranath; published on: Nextgov on-line <http://www.nextgov.com/it-modernization/2017/12/white-house-release-final-tech-modernization-plan/144524/>
29. **GAO: Upgrading to new GPS will cost billions more than planned** dtd: 13 December 2017; by: Amber Corrin; published on: C4ISRNet on-line <https://www.c4isrnet.com/c2-comms/2017/12/13/gps-roulette-700-weapons-systems-at-risk-in-25b-upgrade/>
30. **Pentagon Delays Deadline For Military Suppliers to Meet Cybersecurity Rules** dtd: 13 December 2017; by: Marcus Weisgerber; published on: DefenseOne on-line <http://www.defenseone.com/business/2017/12/pentagon-delays-deadline-military-suppliers-meet-cybersecurity-rules/144549/>
31. **Army Reorganizes, Accelerates EW: Synergy Or Hostile Takeover?** dtd: 13 December 2017; by: Sydney J. Freedberg Jr.; published on: BreakingDefense on-line <https://breakingdefense.com/2017/12/army-reorganizes-accelerates-ew-synergy-or-hostile-takeover/>
32. **The new BRAC strategy: capability over cost savings** dtd: 14 December 2017; by: Aaron Mehta and Joe Gould; published on: ArmyTimes on-line <https://www.armytimes.com/pentagon/2017/12/14/the-new-brac-strategy-capability-over-cost-savings/>
33. **American exodus? 17,000 US defense suppliers may have left the defense sector** dtd: 14 December 2017; by: Joe Gould; published on: DefenseNews on-line <https://www.defensenews.com/breaking-news/2017/12/14/american-exodus-17000-us-defense-suppliers-may-have-left-the-defense-sector/>
34. **Report to the President on Federal IT Modernization** dtd: 14 December 2017; by: N/A; published on: CIO.GOV on-line <https://itmodernization.cio.gov/assets/report/Report%20to%20the%20President%20on%20IT%20Modernization%20-%20Final.pdf>

35. **Army Cyber Command welcomes new Senior Executive to lead technical innovation** dtd: 14 December 2017; by: Army Cyber Command; published on: CHIPS on-line <http://www.doncio.navy.mil/chips/ArticleDetails.aspx?ID=9844>
36. **Agencies May Want to Think Neuro-Differently About the Cyber Workforce** dtd: 15 December 2017; by: Mohana Ravindranath; published on: Nextgov on-line <http://www.nextgov.com/cio-briefing/2017/12/agencies-may-want-think-neuro-differently-about-cyber-workforce/144604/>
37. **Army eyeing options for long-range electronic attack** dtd: 14 December 2017; by: Amber Corrin; published on: C4ISRNet on-line <https://www.c4isrnet.com/electronic-warfare/2017/12/14/army-eyeing-options-for-long-range-electronic-attack/>
38. **Lessons learned from training Army combat units in cyber ops** dtd: 14 December 2017; by: Lauren C. Williams; published on: DefenseSystems on-line <https://defensesystems.com/articles/2017/12/14/army-cyber-ops-experiment.aspx>
39. **The Army is testing if it wants to operate combat drones remotely** dtd: 15 December 2017; by: Mark Pomerleau; published on: C4ISRNet on-line <https://www.c4isrnet.com/unmanned/uas/2017/12/14/the-army-is-testing-if-it-wants-to-operate-combat-drones-remotely/>
40. **Can integration give the Army the tactical edge?** dtd: 15 December 2017; by: Amber Corrin; published on: C4ISRNet on-line <https://www.c4isrnet.com/electronic-warfare/2017/12/15/can-integration-give-the-army-the-tactical-edge/>
41. **Cyber, EW, signals and space mean realigning the Army's force structure** dtd: 15 December 2017; by: Mark Pomerleau; published on: C4ISRNet on-line <https://www.c4isrnet.com/electronic-warfare/2017/12/14/cyber-ew-signals-and-space-mean-realigning-the-armys-force-structure/>
42. **Report: DoD Says Contractors Must Have 'System Security Plans' by Year's End** dtd: 15 December 2017; by: Jane Edwards; published on: ExecutiveGov on-line <https://www.executivegov.com/2017/12/report-dod-says-contractors-must-have-system-security-plans-by-years-end/>
43. **Here's how the Army is trying to integrate information operations** dtd: 15 December 2017; by: Mark Pomerleau; published on: C4ISRNet on-line <https://www.c4isrnet.com/c2-comms/2017/12/15/heres-how-the-army-is-trying-to-integrate-information-operations/>
44. **What can cyber do for you, the commander?** dtd: 15 December 2017; by: Mark Pomerleau; published on: C4ISRNet on-line <https://www.c4isrnet.com/electronic-warfare/2017/12/15/what-can-cyber-do-for-you-the-commander/>
45. **How the Pentagon's cyber offensive against ISIS could shape the future for elite U.S. forces** dtd: 16 December 2017; by: Dan Lamothe; published on: The Washington Post on-line <https://www.washingtonpost.com/news/checkpoint/wp/2017/12/16/how-the-pentagons-cyber-offensive-against-isis-could-shape-the-future-for-elite-u-s-forces/>
46. **DARPA hopes to swarm drones out of C-130s in 2019 test** dtd: 18 December 2017; by: Kyle Rempfer; published on: ArmyTimes on-line <https://www.armytimes.com/newsletters/daily-news-roundup/2017/12/18/darpa-hopes-to-swarm-drones-out-of-c-130s-in-2019-test/>
47. **Think twice about buying internet-connected devices off eBay** dtd: 18 December 2017; by: Mike Murphy; published on: Quartz on-line <https://qz.com/1156059/dont-buy-second-hand-internet-connected-iot-devices-from-sites-like-ebay-ebay/>
48. **Army's new cyber requirements will be based on battlefield needs** dtd: 18 December 2017; by: Mark Pomerleau; published on: C4ISRNet on-line <https://www.c4isrnet.com/it-networks/2017/12/18/armys-new-cyber-requirements-will-be-based-on-battlefield-needs/>
49. **What Trump's National Security Strategy says on cyber** dtd: 18 December 2017; by: Mark Pomerleau; published on: FifthDomain on-line <https://www.fifthdomain.com/civilian/2017/12/18/what-trumps-national-security-strategy-says-on-cyber/>
50. **The next focus for the Army's Rapid Capabilities Office** dtd: 19 December 2017; by: M Pomerleau; published on: C4ISRNet on-line <https://www.c4isrnet.com/unmanned/uas/2017/12/19/the-next-focus-for-the-armys-rapid-capabilities-office/>
51. **What if we lost GPS? That's one thing worrying the Air Force secretary** dtd: 19 December 2017; by: Samantha Masunaga; published on: Los Angeles Times on-line <http://www.latimes.com/business/la-fi-qa-wilson-20171219-htlstory.html>
52. **Breaking Down What DevOps Means** dtd: 20 December 2017; by: Colby Proffitt; published on: NextGov on-line <http://www.nextgov.com/ideas/2017/12/breaking-down-what-devops-means/144708/>
53. **Can the Army bring position, navigation and timing tech to the battlefield faster?** dtd: 20 December 2017; by: Amber Corrin; published on: C4ISRNet on-line <https://www.c4isrnet.com/electronic-warfare/2017/12/20/can-the-army-bring-position-navigation-and-timing-tech-to-the-battlefield-faster/>
54. **What if we lost GPS? That's one thing worrying the Air Force secretary** dtd: 19 December 2017; by: Samantha Masunaga; published on: Los Angeles Times on-line <http://www.latimes.com/business/la-fi-qa-wilson-20171219-htlstory.html>

55. **How the Marines are mobilizing forces for information warfare** dtd: 20 December 2017; by: Mark Pomerleau; published on: C4ISRNet on-line <https://www.c4isrnet.com/c2-comms/2017/12/20/how-the-marines-are-mobilizing-forces-for-information-warfare/>
56. **That's so 90s! The Army wants to move away from software updates via CD** dtd: 21 December 2017; by: Amber Corrin; published on: C4ISRNet on-line <https://www.c4isrnet.com/it-networks/2017/12/21/thats-so-90s-the-army-wants-to-move-away-from-software-updates-via-cd/>
57. **Jette, McPherson confirmed as Army acquisition executive and general counsel** dtd: 21 December 2017; by: Courtney McBride; published on: Inside Defense on-line <https://insidedefense.com/insider/jette-mcpherson-confirmed-army-acquisition-executive-and-general-counsel>
58. **Russia is pushing the Army to move faster on electronic warfare** dtd: 22 December 2017; by: Mark Pomerleau; published on: C4ISRNet on-line <https://www.c4isrnet.com/electronic-warfare/2017/12/22/russia-is-pushing-the-army-to-move-faster-on-electronic-warfare/>
59. **New leadership at Army PEO-EIS** dtd: 22 December 2017; by: Amber Corrin; published on: ArmyTimes on-line <https://www.armytimes.com/home/2017/12/22/new-leadership-at-army-peo-eis/>
60. **The Pentagon's New Artificial Intelligence Is Already Hunting Terrorists** dtd: 22 December 2017; by: Marcus Weisgerber; published on: NextGov on-line <http://www.nextgov.com/emerging-tech/2017/12/pentagons-new-artificial-intelligence-already-hunting-terrorists/144769/>
61. **New leadership at Army PEO-EIS** dtd: 22 December 2017; by: Amber Corrin; published on: ArmyTimes on-line <https://www.armytimes.com/home/2017/12/22/new-leadership-at-army-peo-eis/>
62. **Mattis tells soldiers that being ready for war helps prevent it** dtd: 23 December 2017; by: Robert Burns; published on: The Associated Press on-line <https://apnews.com/3561d07876b54efca366b3732440df3d>
63. **Why Intelligent Automation Is Critical for the Future of Government** dtd: 22 December 2017; by: Kirke Everson and Tony Hubbard; published on: NextGov on-line <http://www.nextgov.com/ideas/2017/12/why-intelligent-automation-critical-future-government/144778/>
64. **Inside a Russian disinformation campaign in Ukraine in 2014** dtd: 25 December 2017; by: Ellen Nakashima; published on: The Washington Post on-line https://www.washingtonpost.com/world/national-security/inside-a-russian-disinformation-campaign-in-ukraine-in-2014/2017/12/25/f55b0408-e71d-11e7-ab50-621fe0588340_story.html
65. **The Unaffordable Pentagon Audit** dtd: 25 December 2017; by: Tom Spoehr; published on: The National Interest on-line <http://nationalinterest.org/feature/the-unaffordable-pentagon-audit-23784>
66. **3 Predictions for Government Tech in 2018** dtd: 26 December 2017; by: John Breeden II; published on: NextGov on-line <http://www.nextgov.com/ideas/2017/12/3-predictions-government-tech-2018/144785/>
67. **Senate Passes Bill for Phone-Friendly Federal Websites** dtd: 26 December 2017; by: Heather Kuldell; published on: NextGov on-line www.nextgov.com/it-modernization/2017/12/senate-passes-bill-phone-friendly-federal-websites/144824/
68. **2018 in defense: 5 major issues the Trump administration needs to tackle** dtd: 26 December 2017; by: Ellen Mitchell; published on: The Hill on-line <http://thehill.com/policy/defense/366459-2018-in-defense-5-major-issues-the-trump-administration-needs-to-tackle>
69. **How DARPA sparked dreams of self-healing networks** dtd: 26 December 2017; by: Adam Stone; published on: C4ISRNet on-line <https://www.c4isrnet.com/it-networks/2017/12/26/how-darpa-sparked-dreams-of-self-healing-networks/>
70. **Open Architecture key theme during Aircraft Survivability Symposium** dtd: 26 December 2017; by: Yvonne Johnson; published on: APG News on-line <http://apgnews.com/inside-the-innovation/open-architecture-key-theme-aircraft-survivability-symposium/>
71. **CERDEC NCO receives Bronze Star** dtd: 26 December 2017; by: N/A; published on: ASC.army.mil on-line <http://asc.army.mil/web/news-cerdec-nco-receives-bronze-star/>
72. **Cracking the code: EOD employs electronic countermeasure tactics** dtd: December 2017; by: Staff Sgt. Lance Pounds; published on: Fort Carson Mountaineer on-line <http://www.fortcarsonmountaineer.com/2017/12/cracking-the-code-eod-employs-electronic-countermeasure-tactics/>
73. **Lessons from the Russian Front eBook** dtd: December 2017; by: N/A; published on: DefenseOne on-line <http://www.defenseone.com/assets/cyber-warfare-dec/portal/>
74. **Asymmetric Advantage in the Information Age: An Australian Concept for Cyber-Enabled 'Special Information Warfare'** dtd: December 2017; by: Ben Johanson; published on: UNSW Canberra on-line <http://www.unsw.adfa.edu.au/australian-centre-for-cyber-security/sites/accs/files/uploads/ACCS%20%235%20Special%20Information%20Warfare%20Johanson.pdf>

Some thoughts for 2018:

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BECOME AN AOC SUSQUEHANNA SPONSOR

The Aberdeen Proving Ground Susquehanna Chapter of AOC has long been tied to the APG, formerly Fort Monmouth, community. Since BRAC in 2005, and the subsequent move to APG, the AOC is in the process of establishing the Susquehanna chapter along with plans for support to APG and the local community to facilitate networking between government and industry officials in the intelligence, electronic warfare and cyber disciplines and provide much needed support to educational/scholarship and STEM activities.

The Chapter will hold luncheons of interest to its members, support STEM related activities, provide scholarship opportunities to deserving students, and technical competitions to increase awareness of new and innovative technologies in the intelligence, electronic warfare and cyber domain.

To continue the efforts outlined above, we need your support for without your participation we will not be able to continue to provide the networking, scholarships, and community outreach that we provide today.

With this thought in mind, we have created a Sponsorship Program designed to fit most any company or individual, in an effort to provide the funding needed to support the Chapter's overall community outreach program. Each level provides the following benefits:

Each Sponsorship Tier provides the following benefits:

- Up to five seats at Chapter luncheons
- Announcement of your Sponsorship through our various media platforms
- Recognition at chapter events throughout the year.
- Special Logo recognition on our Aberdeen Proving Ground Susquehanna Chapter website.
- Your support listed on dozens of Chapter event email which are broadcast to the entire APG AOC membership database each year.

SPONSORSHIP OPTIONS

GOLD - \$1,000, provides 5 seats as outlined above

SILVER - \$500, provides 2 seats as outlined above

BRONZE - \$250, provides 1 seat as outlined above & is for companies with 10 or fewer employees.

To register on-line and pay via PayPal:
<http://www.crows.org/chapters/apg-susquehanna-roost-sponsors.html>.

To register off-line, mail the registration form below with check enclosed.