

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 for their support of the assembly of these Black Tops!

TOP NEWS!

APG AOC Individual Award Nomination Do you know a professional, who lives, works or supports the APG Community and is involved with EW, Cyber, SIGINT or Electromagnetic Activities? Now is your chance to nominate them for the outstanding work they are doing to support this community. The AOC Susquehanna Chapter would like to highlight the great work they are doing and nominate them for an *AOC APG Community Award*. Please go to the website <https://aoc-apg.org/contact/> and enter your name, email address and a paragraph explain why this person should be nominated. All nominations will close December 31st and winner will be announced the beginning of 2021.

Why federal agencies are showing increased interest in hyper-converged infrastructure dtd: 03 November 2020; by: Tom Temin; published on: Federal News Network on-line <https://federalnewsnetwork.com/federal-insights/2020/11/why-federal-agencies-are-showing-increased-interest-in-hyper-converged-infrastructure/>

Contractors should be less shy telling government what they think dtd: 10 November 2020; by: Tom Temin; published on: Federal News Network on-line <https://federalnewsnetwork.com/contracting/2020/11/contractors-should-be-less-shy-telling-government-what-they-think/>

OPINION: Block the Pentagon's 5G Power Play dtd: 13 November 2020; by: Mike Rogers; published on: DefenseOne on-line <https://www.defenseone.com/ideas/2020/11/block-pentagons-5g-power-play/169975/>

Project Rainmaker: Army Weaves 'Data Fabric' To Link Joint Networks dtd: 17 November 2020; by: Sydney J. Freedberg Jr.; published on: BreakingDefense on-line <https://breakingdefense.com/2020/11/project-rainmaker-army-weaves-data-fabric-to-link-joint-networks/>

Where America Rates in the Latest Leading Supercomputer Rankings dtd: 17 November 2020; by: Brandi Vincent; published on: Nextgov on-line <https://www.nextgov.com/emerging-tech/2020/11/where-america-rates-latest-leading-supercomputer-rankings/170125/>

Does Acquisition 360 go far enough? dtd: 17 November 2020; by: Tom Temin; published on: Federal News Network on-line <https://federalnewsnetwork.com/acquisition/2020/11/does-acquisition-360-go-far-enough/>

Army Wants Data Analytics to Spot 'Emerging Tech Leaders' dtd: 17 November 2020; by: Aaron Boyd; published on: Nextgov on-line <https://www.nextgov.com/analytics-data/2020/11/army-wants-data-analytics-spot-emerging-tech-leaders/170114/>

Army Hires Company To Develop Cyber Defenses For Its Strykers After They Were Hacked dtd: 17 November 2020; by: Thomas Newdick; published on: The Drive on-line <https://www.thedrive.com/the-war-zone/37684/army-hires-company-to-develop-cyber-defenses-for-its-strykers-after-they-were-hacked>

Joint Artificial Intelligence Center Has Substantially Grown To Aid The Warfighter dtd: 18 November 2020; by: Terri Moon Cronk; published on: Defense.gov on-line <https://www.defense.gov/Explore/News/Article/Article/2418970/joint-artificial-intelligence-center-has-substantially-grown-to-aid-the-warfigh/source/GovDelivery/>

Army Will Protect Key Weapons From Post-COVID Cuts: Pasquarette dtd: 18 November 2020; by: Sydney J. Freedberg Jr.; published on: BreakingDefense on-line <https://breakingdefense.com/2020/11/army-will-protect-key-weapons-from-post-covid-cuts-pasquarette/>

It's Open Architectures For ALL New Weapons As JROC Sets JADC2 Requirements dtd: 18 November 2020; by: Theresa Hitchens; published on: BreakingDefense on-line <https://breakingdefense.com/2020/11/its-open-architectures-for-all-new-weapons-as-jroc-sets-jadc2-requirements/>

Pentagon Risks 'Paralyzing Ourselves' as Tech Priorities Keep Shifting dtd: 18 November 2020; by: Patrick Tucker; published on: DefenseOne on-line <https://www.defenseone.com/technology/2020/11/pentagon-risks-paralyzing-itself-tech-priorities-keeping-shifting/170160/>

Army tactical network acquisition office releases \$850M solicitation for encryption device dtd: 18 November 2020; by: Andrew Eversden; published on: C4ISRNet on-line <https://www.c4isrnet.com/battlefield-tech/it-networks/2020/11/18/army-tactical-network-acquisition-office-releases-850m-solicitation-for-encryption-device/>

US Army names first civilian chief information officer dtd: 19 November 2020; by: Andrew Eversden; published on: C4ISRNet on-line <https://www.c4isrnet.com/it-networks/2020/11/19/us-army-names-first-civilian-chief-information-officer/>

US Army preps to rework modernization priorities if future budget top line drops dtd: 19 November 2020; by: Jen Judson; published on: DefenseNews on-line <https://www.defensenews.com/land/2020/11/19/army-preps-to-rework-modernization-priorities-if-future-budget-top-lines-drop/>

US Army working on new electromagnetic deception tool dtd: 23 November 2020; by: Mark Pomerleau; published on: C4ISRNet on-line <https://www.c4isrnet.com/electronic-warfare/2020/11/23/us-army-working-on-new-electromagnetic-deception-tool/>

US Army creates new office for integrating data and sensors dtd: 24 November 2020; by: Mark Pomerleau; published on: C4ISRNet on-line <https://www.c4isrnet.com/battlefield-tech/2020/11/24/us-army-creates-new-office-for-integrating-data-and-sensors/>

5 Inducted to C5ISR Hall of Fame dtd: 24 November 2020; by: Jon Bleiweis; published on: APGNews on-line <https://apgnews.com/community-news/5-inducted-to-c5isr-hall-of-fame/>

US Army is looking for updates to its electronic warfare planning tool dtd: 25 November 2020; by: Mark Pomerleau; published on: C4ISRNet on-line <https://www.c4isrnet.com/electronic-warfare/2020/11/25/us-army-is-looking-for-updates-to-its-electronic-warfare-planning-tool/>

Army releases industry request for proposal to support next-generation cryptographic device dtd: 23 November 2020; by: PEO C3T; published on: CHIPS on-line <https://www.doncio.navy.mil/chips/ArticleDetails.aspx?ID=14138>

COVID-19 related

Pentagon is bullish on health of defense industrial base, even as COVID-19 cases mount dtd: 18 November 2020; by: Valerie Insinna; published on: DefenseNews on-line
<https://www.defensenews.com/2020/11/18/the-pentagon-is-bullish-on-health-of-defense-industrial-base-even-as-covid-19-cases-mount/>

Extolling Productivity During Pandemic, Agencies Say They'll Make Some Telework Permanent dtd: 18 November 2020; by: Eric Katz; published on: Government Executive on-line
<https://www.govexec.com/workforce/2020/11/extolling-productivity-during-pandemic-agencies-say-theyll-make-some-telework-permanent/170165/>

DOD Responds to Uptick in COVID-19 Infections dtd: 24 November 2020; by: Jim Garamon; published on: Defense.gov on-line <https://www.defense.gov/Explore/News/Article/Article/2426486/dod-responds-to-uptick-in-covid-19-infections/source/GovDelivery/>

Report Suggests Government, Companies Factor Permanent Remote Work into Future Operations dtd: 25 November 2020; by: Frank Konkel; published on: Nextgov on-line <https://www.nextgov.com/it-modernization/2020/11/report-suggests-government-companies-factor-permanent-remote-work-future-operations/170222/>

EW & CEMA Articles

1. **US Cyber Command advances on platform to consolidate its myriad tools and data** dtd: 01 November 2020; by: Mark Pomerleau; published on: C4ISRNet on-line <https://www.c4isrnet.com/cyber/2020/11/01/us-cyber-command-advances-on-platform-to-consolidate-its-myriad-tools-and-data/>
2. **Pentagon plans to open a school focused entirely on beating drones** dtd: 02 November 2020; by: Corey Dickstein; published on: Stars&Stripes on-line <https://www.stripes.com/news/us/pentagon-plans-to-open-a-school-focused-entirely-on-beating-drones-1.650813>
3. **DoD's Space Development Agency shows how fast the FAR can be** dtd: 03 November 2020; by: Jared Serbu; published on: Federal News Network on-line <https://federalnewsnetwork.com/on-dod/2020/11/dods-space-development-agency-shows-how-fast-the-far-can-be/>
4. **U.S. undertook cyber operation against Iran as part of effort to secure the 2020 election** dtd: 03 November 2020; by: Ellen Nakashima; published on: The Washington Post on-line https://www.washingtonpost.com/national-security/cybercom-targets-iran-election-interference/2020/11/03/aa0c9790-1e11-11eb-ba21-f2f001f0554b_story.html
5. **Will Quantum Computing Supercharge Artificial Intelligence?** dtd: 04 November 2020; by: John Breeden II; published on: Nextgov on-line <https://www.nextgov.com/ideas/2020/11/will-quantum-computing-supercharge-artificial-intelligence/169757/>
6. **DOD Official: Upcoming Cybersecurity Requirements Could Still Significantly Change Based on Industry Feedback** dtd: 04 November 2020; by: Mariam Baksh; published on: Nextgov on-line <https://www.nextgov.com/cybersecurity/2020/11/dod-official-upcoming-cybersecurity-requirements-could-still-significantly-change-based-industry-feedback/169803/>

7. **US Army's tactical network modernization team requests industry pitches for future capabilities** dtd: 04 November 2020; by: Andrew Eversden; published on: [C4ISRNet](https://www.c4isrnet.com/battlefield-tech/it-networks/2020/11/04/us-armys-tactical-network-modernization-team-requests-industry-pitches-for-future-capabilities/) on-line <https://www.c4isrnet.com/battlefield-tech/it-networks/2020/11/04/us-armys-tactical-network-modernization-team-requests-industry-pitches-for-future-capabilities/>
8. **New JAIC Director Outlines AI Program's Planned Evolution** dtd: 06 November 2020; by: Mila Jasper; published on: [Nextgov](https://www.nextgov.com/cio-briefing/2020/11/new-jaic-director-outlines-ai-programs-planned-evolution/169866/) on-line <https://www.nextgov.com/cio-briefing/2020/11/new-jaic-director-outlines-ai-programs-planned-evolution/169866/>
9. **Pentagon's artificial intelligence hub shifts its approach to now 'seek out problems'** dtd: 06 November 2020; by: Andrew Eversden; published on: [C4ISRNet](https://www.c4isrnet.com/artificial-intelligence/2020/11/06/pentagons-artificial-intelligence-hub-shifts-its-approach-to-now-seek-out-problems/) on-line <https://www.c4isrnet.com/artificial-intelligence/2020/11/06/pentagons-artificial-intelligence-hub-shifts-its-approach-to-now-seek-out-problems/>
10. **Pentagon Expanding 5G Efforts, DOD Official Says** dtd: 10 November 2020; by: Mila Jasper; published on: [Nextgov](https://www.nextgov.com/emerging-tech/2020/11/pentagon-expanding-5g-efforts-dod-official-says/169923/) on-line <https://www.nextgov.com/emerging-tech/2020/11/pentagon-expanding-5g-efforts-dod-official-says/169923/>
11. **IoT Security Bill Nears Passage as New Consortium Tackles Open 5G** dtd: 10 November 2020; by: Mariam Baksh; published on: [Nextgov](https://www.nextgov.com/cybersecurity/2020/11/iot-security-bill-nears-passage-new-consortium-tackles-open-5g/169936/) on-line <https://www.nextgov.com/cybersecurity/2020/11/iot-security-bill-nears-passage-new-consortium-tackles-open-5g/169936/>
12. **Pentagon Readies for Battle in a 5G Future** dtd: 10 November 2020; by: Asa Fitch; published on: [WallStreetJournal](https://www.wsj.com/articles/pentagon-readies-for-battle-in-a-5g-future-11605048589) on-line <https://www.wsj.com/articles/pentagon-readies-for-battle-in-a-5g-future-11605048589>
13. **DOD Must Expand Its Mission-Critical Cybersecurity Focus to Include Connected Weapons** dtd: 11 November 2020; by: Bob Huber; published on: [Nextgov](https://www.nextgov.com/ideas/2020/11/dod-must-expand-its-mission-critical-cybersecurity-focus-include-connected-weapons/169963/) on-line <https://www.nextgov.com/ideas/2020/11/dod-must-expand-its-mission-critical-cybersecurity-focus-include-connected-weapons/169963/>
14. **AI, ML Tech 'Needed Today' to Enhance Decision-Making Process at the Edge, DOD Officials Say** dtd: 12 November 2020; by: Mila Jasper; published on: [Nextgov](https://www.nextgov.com/emerging-tech/2020/11/ai-ml-tech-needed-today-enhance-decision-making-process-edge-dod-officials-say/170011/) on-line <https://www.nextgov.com/emerging-tech/2020/11/ai-ml-tech-needed-today-enhance-decision-making-process-edge-dod-officials-say/170011/>
15. **Pentagon Expands 5G Efforts as Lawmakers Raise Eyebrows** dtd: 12 November 2020; by: Mila Jasper; published on: [DefenseOne](https://www.defenseone.com/policy/2020/11/pentagon-expands-5g-efforts-lawmakers-raise-eyebrows/169948/) on-line <https://www.defenseone.com/policy/2020/11/pentagon-expands-5g-efforts-lawmakers-raise-eyebrows/169948/>
16. **Starting Dec. 1, Cybersecurity Is No Longer Optional** dtd: 12 November 2020; by: Kelsey Atherton; published on: [BreakingDefense](https://breakingdefense.com/2020/11/starting-dec-1-cybersecurity-is-no-longer-optional/) on-line <https://breakingdefense.com/2020/11/starting-dec-1-cybersecurity-is-no-longer-optional/>
17. **When information moves fast, who has time to make a decision?** dtd: 13 November 2020; by: Mark Pomerleau; published on: [C4ISRNet](https://www.c4isrnet.com/information-warfare/2020/11/13/when-information-moves-fast-who-has-time-to-make-a-decision/) on-line <https://www.c4isrnet.com/information-warfare/2020/11/13/when-information-moves-fast-who-has-time-to-make-a-decision/>
18. **Adm. Trussler: Information Warfare 'All About Speed for Advantage'** dtd: 13 November 2020; by: Richard R. Burgess; published on: [SEAPOWERMAGAZINE](https://seapowermagazine.org/adm-trussler-information-warfare-all-about-speed-for-advantage/) on-line <https://seapowermagazine.org/adm-trussler-information-warfare-all-about-speed-for-advantage/>
19. **NIST has a new cybersecurity companion guide** dtd: 13 November 2020; by: Tom Temin; published on: [Federal News Network](https://federalnewsnetwork.com/cybersecurity/2020/11/nist-has-a-new-cybersecurity-companion-guide/) on-line <https://federalnewsnetwork.com/cybersecurity/2020/11/nist-has-a-new-cybersecurity-companion-guide/>
20. **U.S. Military Wants to Bring Allies into AI Fold** dtd: 16 November 2020; by: Jon Harper; published on: [National Defense](https://www.nationaldefensemagazine.org/articles/2020/11/16/us-military-wants-to-bring-allies-into-ai-fold) on-line <https://www.nationaldefensemagazine.org/articles/2020/11/16/us-military-wants-to-bring-allies-into-ai-fold>
21. **Army-Funded Algorithm Decodes Brain Signals** dtd: 16 November 2020; by: Mila Jasper; published on: [Nextgov](https://www.nextgov.com/emerging-tech/2020/11/army-funded-algorithm-decodes-brain-signals/170083/) on-line <https://www.nextgov.com/emerging-tech/2020/11/army-funded-algorithm-decodes-brain-signals/170083/>

22. **To Improve Safety of Defense Networks, Eighty-Six Dot1x** dtd: 16 November 2020; by: Katherine Gronberg; published on: Nextgov on-line <https://www.nextgov.com/ideas/2020/11/improve-safety-defense-networks-eighty-six-dot1x/170075/>
23. **How the U.S. Military Buys Location Data from Ordinary Apps** dtd: 16 November 2020; by: Joseph Cox; published on: Vice on-line <https://www.vice.com/en/article/jgqm5x/us-military-location-data-xmode-locate-x>
24. **US Army's heavy ground robot reaches full-rate production** dtd: 16 November 2020; by: Jen Judson; published on: DefenseNews on-line <https://www.defensenews.com/land/2020/11/16/us-armys-heavy-ground-robot-reaches-full-rate-production/>
25. **Commentary: Why defense firms need to get systematic about M&A — big and small** dtd: 16 November 2020; by: Eric Chewning and Frank Coleman III; published on: DefenseNews on-line <https://www.defensenews.com/opinion/commentary/2020/11/16/why-defense-firms-need-to-get-systematic-about-ma-big-and-small/>
26. **How the Pandemic Changed the Defense Digital Service's Portfolio** dtd: 17 November 2020; by: Mila Jasper; published on: Nextgov on-line <https://www.nextgov.com/emerging-tech/2020/11/how-pandemic-changed-defense-digital-services-portfolio/170126/>
27. **US Army enterprise IT office looks to expand 'as a service'** dtd: 17 November 2020; by: Andrew Eversden; published on: C4ISRNet on-line <https://www.c4isrnet.com/it-networks/2020/11/17/us-army-enterprise-it-office-looks-to-expand-as-a-service/>
28. **US Army-Funded Algorithm Decodes Brain Signals** dtd: 17 November 2020; by: Mila Jasper; published on: DefenseOne on-line <https://www.defenseone.com/technology/2020/11/us-army-funded-algorithm-decodes-brain-signals/170102/>
29. **Is Now the Time to Start Protecting Government Data from Quantum Hacking?** dtd: 18 November 2020; by: John Breeden II; published on: Nextgov on-line <https://www.nextgov.com/ideas/2020/11/now-time-start-protecting-government-data-quantum-hacking/170146/>
30. **Bill to Secure Federal Government's Connected Devices Heads to the President's Desk** dtd: 18 November 2020; by: Mariam Baksh; published on: Nextgov on-line <https://www.nextgov.com/cybersecurity/2020/11/bill-secure-federal-governments-connected-devices-heads-presidents-desk/170159/>
31. **Interagency Committee Issues Recommendations for Using Cloud to Accelerate Artificial Intelligence** dtd: 18 November 2020; by: Frank Konkell; published on: Nextgov on-line <https://www.nextgov.com/emerging-tech/2020/11/interagency-committee-issues-recommendations-using-cloud-accelerate-artificial-intelligence/170158/>
32. **Pentagon Risks 'Paralyzing Ourselves' as Tech Priorities Keep Shifting** dtd: 18 November 2020; by: Patrick Tucker; published on: DefenseOne on-line <https://www.defenseone.com/technology/2020/11/pentagon-risks-paralyzing-itself-tech-priorities-keeping-shifting/170160/>
33. **Army wants new proposals for an 'optionally manned' infantry vehicle** dtd: 18 November 2020; by: Slobodan Lekic; published on: Stars&Stripes on-line <https://www.stripes.com/news/us/army-wants-new-proposals-for-an-optionally-manned-infantry-vehicle-1.652542>
34. **Army Maneuver Officials Want to Buy Ammo Resupply Drones and Give them to BCTs** dtd: 18 November 2020; by: Matthew Cox; published on: Military.com on-line <https://www.military.com/daily-news/2020/11/18/army-maneuver-officials-want-buy-ammo-resupply-drones-and-give-them-bcts.html>
35. **Use Legacy Systems as Tech Playgrounds for Innovation** dtd: 19 November 2020; by: Mackenzie Eaglen and John Ferrari; published on: BreakingDefense on-line <https://breakingdefense.com/2020/11/use-legacy-systems-as-tech-playgrounds-for-innovation/>
36. **US Cyber Command's capability efforts lack clarity, says government watchdog** dtd: 19 November 2020; by: Mark Pomerleau; published on: C4ISRNet on-line <https://www.c4isrnet.com/cyber/2020/11/19/us-cyber-commands-capability-efforts-lack-clarity-says-government-watchdog/>

37. **Let Your Robots Off The Leash – Or Lose: AI Experts** dtd: 19 November 2020; by: Sydney J. Freedberg Jr.; published on: BreakingDefense on-line <https://breakingdefense.com/2020/11/let-your-robots-off-the-leash-or-lose-ai-experts/>
38. **The Army is hunting for a new all-electric light recon vehicle** dtd: 19 November 2020; by: Jared Keller; published on: C4ISRNet on-line <https://taskandpurpose.com/military-tech/army-electric-light-reconnaissance-vehicle-markey-survey>
39. **DOD Has Promising Tech. Now It's Time to Scale It Up, Officials Say** dtd: 19 November 2020; by: Mila Jasper; published on: Nextgov on-line <https://www.nextgov.com/emerging-tech/2020/11/dod-has-promising-tech-now-its-time-scale-it-officials-say/170204/>
40. **The Future of Defense Networks** dtd: 19 November 2020; by: Nextgov Staff; published on: Nextgov on-line <https://www.nextgov.com/it-modernization/2020/11/future-defense-networks/170200/>
41. **DOD Needs IT Support for Security Clearance Background Investigations Program** dtd: 20 November 2020; by: Aaron Boyd; published on: Nextgov on-line <https://www.nextgov.com/cio-briefing/2020/11/dod-needs-it-support-security-clearance-background-investigations-program/170231/>
42. **How Edge Computing and Hybrid Cloud Are Shifting the IT Paradigm** dtd: 20 November 2020; by: Steve Orrin and Cameron Chehreh; published on: Nextgov on-line <https://www.nextgov.com/ideas/2020/11/how-edge-computing-and-hybrid-cloud-are-shifting-it-paradigm/170238/>
43. **Is the Pentagon's 'fragile' network ready to handle a slew of connected weapon systems?** dtd: 20 November 2020; by: Mark Pomerleau; published on: C4ISRNet on-line <https://www.c4isrnet.com/it-networks/2020/11/20/is-the-pentagons-fragile-network-ready-to-handle-a-slew-of-connected-weapon-systems/>
44. **U.S. Army formally activates V Corps in Poland** dtd: 20 November 2020; by: Ed Adamczyk; published on: UPINet on-line <https://www.upi.com/Defense-News/2020/11/20/US-Army-formally-activates-V-Corps-in-Poland/2941605889765/>
45. **US Army merges Europe and Africa commands** dtd: 20 November 2020; by: Jen Judson; published on: DefenseNews on-line <https://www.defensenews.com/land/2020/11/20/us-army-merges-europe-and-africa-commands/>
46. **Opinion: Why now is the time for zero trust in DoD cybersecurity** dtd: 20 November 2020; by: Jim Hansen; published on: C4ISRNet on-line <https://www.c4isrnet.com/opinion/2020/11/20/why-now-is-the-time-for-zero-trust-in-dod-cybersecurity/>
47. **Mission Command: The NCO's Role in the Evolving Battlefield** dtd: 20 November 2020; by: Master Sgt. Steven Baldwin; published on: Army University Press on-line <https://www.armyupress.army.mil/Journals/NCO-Journal/Archives/2020/November/The-Evolving-Battlefield/>
48. **More Computers Would Bring Military AI Along Faster, New JAIC Chief Says** dtd: 23 November 2020; by: Patrick Tucker; published on: DefenseOne on-line <https://www.defenseone.com/technology/2020/11/more-computers-would-bring-military-ai-along-faster-new-jaic-chief-says/170282/>
49. **Defense Department Launches Initiative to Boost U.S. Industrial Workforce** dtd: 23 November 2020; by: N/A; published on: Defense.gov on-line <https://www.defense.gov/Newsroom/Releases/Release/Article/2424269/defense-department-launches-initiative-to-boost-us-industrial-workforce/>
50. **Pentagon warns more needs to be done to make US networks cyber resilient** dtd: 24 November 2020; by: Eric White; published on: Federal News Network on-line <https://federalnewsnetwork.com/federal-newscast/2020/11/pentagon-warns-more-needs-to-be-done-to-make-us-networks-cyber-resilient/>
51. **Allies begin ordering M-Code-enabled GPS receivers** dtd: 24 November 2020; by: Nathan Strout; published on: C4ISRNet on-line <https://www.c4isrnet.com/battlefield-tech/space/2020/11/24/allies-begin-ordering-m-code-enabled-gps-receivers/>
52. **JAIC To Evangelize AI Across DoD** dtd: 24 November 2020; by: Sydney J. Freedberg Jr.; published on: BreakingDefense on-line <https://breakingdefense.com/2020/11/jaic-will-evangelize-ai-across-dod/>

53. **New Pentagon AI Chief: More Computers Would Bring Military AI Along Faster** dtd: 24 November 2020; by: Patrick Tucker; published on: Nextgov on-line <https://www.nextgov.com/cio-briefing/2020/11/new-pentagon-ai-chief-more-computers-would-bring-military-ai-along-faster/170305/>
54. **Pentagon's AI Ethical Priorities to Be Embedded Into its Coming Data and Development Platform** dtd: 24 November 2020; by: Brandi Vincent; published on: Nextgov on-line <https://www.nextgov.com/emerging-tech/2020/11/pentagons-ai-ethical-priorities-be-embedded-its-coming-data-and-development-platform/170328/>
55. **Pentagon Teams with Howard University to Steer Artificial Intelligence Center of Excellence** dtd: 25 November 2020; by: Brandi Vincent; published on: Nextgov on-line <https://www.nextgov.com/emerging-tech/2020/11/pentagon-teams-howard-university-steer-artificial-intelligence-center-excellence/170302/>
56. **'Wild Bill' platoon brings new electronic warfare skills to Army's force in Europe** dtd: 25 November 2020; by: John Vandiver; published on: Stars&Stripes on-line <https://www.stripes.com/news/europe/wild-bill-platoon-brings-new-electronic-warfare-skills-to-army-s-force-in-europe-1.653301>
57. **The Defense Department IG Outlined the Pentagon's Top Challenges. Here's Where Tech Fits In.** dtd: 25 November 2020; by: Mila Jasper; published on: Nextgov on-line <https://www.nextgov.com/emerging-tech/2020/11/defense-department-ig-outlined-pentagons-top-challenges-heres-where-tech-fits/170325/>
58. **The Military's Biggest AI Challenge: Convincing Commanders to Embrace It** dtd: 25 November 2020; by: Matthew Cox; published on: Military.com on-line <https://www.military.com/daily-news/2020/11/25/militarys-biggest-ai-challenge-convincing-commanders-embrace-it.html>
59. **Could soldiers silently communicate using brain signals in the future?** dtd: 25 November 2020; by: Andrew Eversden; published on: C4ISRNet on-line <https://www.c4isrnet.com/battlefield-tech/it-networks/2020/11/25/could-soldiers-silently-communicate-using-brain-signals-in-the-future/>
60. **Reflections on a Lifetime in Intelligence** dtd: 27 November 2020; by: Matthew Cox; published on: WarOnTheRocks on-line <https://warontherocks.com/2020/11/reflections-on-a-lifetime-in-intelligence/>
61. **JAIC entering new phase of life, will create teams to help DoD adopt AI** dtd: 26 November 2020; by: Scott Maucione; published on: Federal News Network on-line <https://federalnewsnetwork.com/defense-main/2020/11/jaic-entering-new-phase-of-life-will-create-teams-to-help-dod-adopt-ai/>
62. **How the Biden administration is expected to approach tech research and development** dtd: 29 November 2020; by: Andrew Eversden; published on: C4ISRNet on-line <https://www.c4isrnet.com/smr/transition/2020/11/29/how-the-biden-administration-is-expected-to-approach-tech-research-and-development/>

There are twenty nine holidays observed by seven of the world's major religions between the 1st of November and the 15th of January. So in these very trying days of the COVID-19 pandemic to you all I will say Happy Holidays and a very special Merry Christmas! – T. J. Zalewski

A bit of Holiday Humor:

'Twas The Night Before Christmas

(as if written by a technical writer for a firm that does US government contracting)

'Twas the nocturnal segment of the diurnal period preceding the annual Yuletide celebration, and throughout our place of residence, kinetic activity was not in evidence among the possessors of this potential, including that species of domestic rodent known as *Mus musculus*. Hosiery was meticulously suspended from the forward edge of the wood burning caloric apparatus, pursuant to our anticipatory pleasure regarding an imminent visitation from an eccentric philanthropist among whose folkloric appellations is the honorific title of St. Nicholas.

The prepubescent siblings, comfortably ensconced in their respective accommodations of repose, were experiencing subconscious visual hallucinations of variegated fruit confections moving rhythmically through their cerebrums. My conjugal partner and I, attired in our nocturnal head coverings, were about to take slumberous advantage of the hibernal darkness when upon the avenaceous exterior portion of the grounds there ascended such a cacophony of dissonance that I felt compelled to arise with alacrity from my place of repose for the purpose of ascertaining the precise source thereof.

Hastening to the casement, I forthwith opened the barriers sealing this fenestration, noting thereupon that the lunar brilliance without, reflected as it was on the surface of a recent crystalline precipitation, might be said to rival that of the solar meridian itself - thus permitting my incredulous optical sensory organs to behold a miniature airborne runnered conveyance drawn by eight diminutive specimens of the genus *Rangifer*, piloted by a minuscule, aged chauffeur so ebullient and nimble that it became instantly apparent to me that he was indeed our anticipated caller. With his ungulate motive power travelling at what may possibly have been more vertiginous velocity than patriotic alar predators, he vociferated loudly, expelled breath musically through contracted labia, and addressed each of the octet by his or her respective cognomen - "Now Dasher, now Dancer..." et al. - guiding them to the uppermost exterior level of our abode, through which structure I could readily distinguish the concatenations of each of the 32 cloven pedal extremities.

As I retracted my cranium from its erstwhile location, and was performing a 180-degree pivot, our distinguished visitant achieved - with utmost celerity and via a downward leap - entry by way of the smoke passage. He was clad entirely in animal pelts soiled by the ebony residue from oxidations of carboniferous fuels which had accumulated on the walls thereof. His resemblance to a street vendor I attributed largely to the plethora of assorted playthings which he bore dorsally in a commodious cloth receptacle.

His orbs were scintillant with reflected luminosity, while his submaxillary dermal indentations gave every evidence of engaging amiability. The capillaries of his malar regions and nasal appurtenance were engorged with blood which suffused the subcutaneous layers, the former approximating the coloration of Albion's floral emblem, the latter that of the *Prunus avium*, or sweet cherry. His amusing sub- and supralabials resembled nothing so much as a common loop knot, and their ambient hirsute facial adornment appeared like small, tabular and columnar crystals of frozen water.

Clenched firmly between his incisors was a smoking piece whose grey fumes, forming a tenuous ellipse about his occiput, were suggestive of a decorative seasonal circlet of holly. His visage was wider than it was high, and when he waxed audibly mirthful, his corpulent abdominal region undulated in the manner of impectinated fruit syrup in a hemispherical container. He was, in short, neither more nor less than an obese, jocund, multigenarian gnome, the optical perception of whom rendered me visibly frolicsome despite every effort to refrain from so being. By rapidly lowering and then elevating one eyelid and rotating his head slightly to one side, he indicated that trepidation on my part was groundless.

Without utterance and with dispatch, he commenced filling the aforementioned appended hosiery with various of the aforementioned articles of merchandise extracted from his aforementioned previously dorsally transported cloth receptacle. Upon completion of this task, he executed an abrupt about-face, placed a single manual digit in lateral juxtaposition to his olfactory organ, inclined his cranium forward in a gesture of leave-taking, and forthwith effected his egress by renegotiating (in reverse) the smoke passage. He then propelled himself in a short vector onto his conveyance, directed a musical expulsion of air through his contracted oral sphincter to the antlered quadrupeds of burden, and proceeded to soar aloft in a movement hitherto observable chiefly among the seed-bearing portions of a common weed. But I overheard his parting exclamation, audible immediately prior to his vehiculation beyond the limits of visibility: "Ecstatic Yuletide to the planetary constituency, and to that self same assemblage, my sincerest wishes for a salubriously beneficial and gratifyingly pleasurable period between sunset and dawn."

Now for all of you, who like I, cannot remember all of the traditional version:

'Twas the Night Before Christmas

or Account of a Visit from St. Nicholas

by Major Henry Livingston Jr. (1748-1828) (previously believed to be by Clement Clarke Moore)

'Twas the night before Christmas,
when all through the house
Not a creature was stirring, not even a mouse;
The stockings were hung by the chimney with care,
In hopes that St. Nicholas soon would be there;

The children were nestled all snug in their beds,
While visions of sugar-plums danced in their heads;
And mamma in her 'kerchief, and I in my cap,
Had just settled down for a long winter's nap,
When out on the lawn there arose such a clatter,
I sprang from the bed to see what was the matter.
Away to the window I flew like a flash,
Tore open the shutters and threw up the sash.
The moon on the breast of the new-fallen snow
Gave the lustre of mid-day to objects below,
When, what to my wondering eyes should appear,
But a miniature sleigh, and eight tiny reindeer,

With a little old driver, so lively and quick,
I knew in a moment it must be St. Nick.
More rapid than eagles his coursers they came,
And he whistled, and shouted, and called them by name;

"Now, DASHER! now, DANCER!
now, PRANCER and VIXEN!
On, COMET! on CUPID! on, DONDER and BLITZEN!
To the top of the porch! to the top of the wall!
Now dash away! dash away! dash away all!"

As dry leaves that before the wild hurricane fly,
When they meet with an obstacle, mount to the sky,
So up to the house-top the coursers they flew,
With the sleigh full of toys, and St. Nicholas too

And then, in a twinkling, I heard on the roof
The prancing and pawing of each little hoof.
As I drew in my hand, and was turning around,
Down the chimney St. Nicholas came with a bound.

He was dressed all in fur, from his head to his foot,
And his clothes were all tarnished with ashes and soot;
A bundle of toys he had flung on his back,
And he looked like a peddler just opening his pack.

His eyes -- how they twinkled! his dimples how merry!
His cheeks were like roses, his nose like a cherry!
His droll little mouth was drawn up like a bow,
And the beard of his chin was as white as the snow;

The stump of a pipe he held tight in his teeth,
And the smoke it encircled his head like a wreath;
He had a broad face and a little round belly,
That shook, when he laughed like a bowlful of jelly.

He was chubby and plump, a right jolly old elf,
And I laughed when I saw him, in spite of myself;
A wink of his eye and a twist of his head,
Soon gave me to know I had nothing to dread;

He spoke not a word, but went straight to his work,
And filled all the stockings; then turned with a jerk,
And laying his finger aside of his nose,
And giving a nod, up the chimney he rose;

He sprang to his sleigh, to his team gave a whistle,
And away they all flew like the down of a thistle.
But I heard him exclaim, ere he drove out of sight,
"HAPPY CHRISTMAS TO ALL,
AND TO ALL A GOOD-NIGHT!"



Dear Santa,

This year for Christmas
I would like

- a comfortable face mask
- more toilet paper
- hand sanitizer
- antibacterial soap
- end of quarantine
- a vaccine !!!!!

Thank you,

Thomas



Upcoming Events:

1. **Association of Old Crows, Susquehanna Chapter Virtual LnL** 02 Dec 2020 - RF industry guidance for maintenance & considerations of fiber optic interfaces - Speaker - Mr. Jarod Guertin – contact: Maryann Apostle @ maryann_apostle@keysight.com
2. **Cyber Electromagnetic Activity (CEMA) 2021** - May 25 - 27, 2021 | Aberdeen Proving Ground, Maryland | Online Registration will open on March 1, 2021 | More information at: <https://www.crows.org/page/CEMA2021>
3. **Other events of likely interest:**
 - 1 DEC: AFC Project Convergence Industry Round Table
 - 1 DEC: PEO EIS Global Combat Support System – Army Disconnected Operations Solution (DISCOPS)
 - 1-3 DEC: DISA AFCEA TechNet Cyber Virtual Event
 - 2 DEC: Annual presentation by Deputy to the Commanding General Communications Electronics Command: Mr. Larry Muzzello, SES
 - 3 DEC: DISA Forecast to Industry
 - 9 DEC: Quarterly briefing by Army Contracting Command ACC – APG S3 COE – Topic: CMMC
 - 10 DEC: PEO-C3T Support Contract Update virtual meeting
 - 27 JAN '21: Aberdeen AFCEA Annual New Year Kick-Off with a presentation from The Deputy to the Commanding General, (CDCC). Mr. John Willison
 - 10 FEB '21: Noon Report Dr. Jette ASAALT

For all you History Buffs out there:

1. **WWII Vet Still Breaking the Mold at 102** dtd: 09 November 2020; by: Katie Lange; published on: [Defense.gov](https://www.defense.gov/Explore/Features/Story/Article/2409714/wwii-vet-still-breaking-the-mold-at-102) on-line <https://www.defense.gov/Explore/Features/Story/Article/2409714/wwii-vet-still-breaking-the-mold-at-102>
2. **The story behind Netflix's WWII series 'The Liberator' — 500 days of combat from Sicily to Dachau** dtd: 13 November 2020; by: Todd South; published on: [MilitaryTimes](https://www.militarytimes.com/news/your-army/2020/11/13/the-story-behind-netflixs-wwii-series-the-liberator-500-days-of-combat-from-sicily-to-dachau) on-line <https://www.militarytimes.com/news/your-army/2020/11/13/the-story-behind-netflixs-wwii-series-the-liberator-500-days-of-combat-from-sicily-to-dachau>
3. **5 lesser-known details about 'Black Hawk Down'** dtd: 18 November 2020; by: Kyle Rempfe; published on: [DefenseNews](https://www.armytimes.com/news/your-army/2020/11/18/5-lesser-known-details-about-black-hawk-down/) on-line <https://www.armytimes.com/news/your-army/2020/11/18/5-lesser-known-details-about-black-hawk-down/>
4. **'I Marched With Patton' Review: From a Soldier's Point of View** dtd: 18 November 2020; by: Mark Yost; published on: [WallStreetJournal](https://www.wsj.com/articles/i-marched-with-patton-review-from-a-soldiers-point-of-view-11605740626) on-line <https://www.wsj.com/articles/i-marched-with-patton-review-from-a-soldiers-point-of-view-11605740626>
5. **Arlington National Cemetery announces revised plans for Wreaths Across America** dtd: 25 November 2020; by: Nikki Wentling; published on: [Stars&Stripes](https://www.stripes.com/news/us/arlington-national-cemetery-announces-revised-plans-for-wreaths-across-america-1.653326) on-line <https://www.stripes.com/news/us/arlington-national-cemetery-announces-revised-plans-for-wreaths-across-america-1.653326>
6. **Ever wanted to drive a WWII-era tank? Here's your chance** dtd: 25 November 2020; by: Todd South; published on: [MilitaryTimes](https://www.militarytimes.com/off-duty/military-culture/2020/11/25/ever-wanted-to-drive-a-wwii-era-tank-heres-your-chance/) on-line <https://www.militarytimes.com/off-duty/military-culture/2020/11/25/ever-wanted-to-drive-a-wwii-era-tank-heres-your-chance/>

“This is my wish for you: peace of mind, prosperity through the year, happiness that multiplies, health for you and yours, fun around every corner, energy to chase your dreams, joy to fill your holidays!” - D.M. Dellinger

THANK YOU

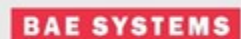
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BECOME AN AOC SUSQUEHANNA SPONSOR

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:

- 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://aoc-apg.org/sponsorships/>

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