



## Royal United Services Institute of Nova Scotia

### Dispatches

### 15 November 2019

*The Royal United Services Institute of Nova Scotia provides a forum for the study, promotion and debate of defence and security issues.*

*Dispatches* is a weekly collection of links and news of current interest, included those tweeted and posted by the Institute on social media. Links to articles are checked at the time they are put into *Dispatches* but may be unavailable at a later date or in some states other than Canada.

If you are not a routine recipient of *Dispatches* but wish to be so, email the Institute's Chief Information Officer (CIO) at [RUSINovaScotia@gmail.com](mailto:RUSINovaScotia@gmail.com). If you do not want to receive *Dispatches*, or wish to receive it at some different frequency, please inform the CIO. If you wish to receive *Dispatches* at a different address (i.e., not your work address), please inform the CIO. Past editions of *Dispatches* may be requested by contacting the CIO.

Everyone is encouraged to email to the CIO links and other content to be included in *Dispatches*.

Submissions and feedback are welcome anytime. Comments to articles can be from members or non-members of RUSI(NS). Any comment in *Dispatches* is the sole opinion of the author and does not necessarily represent the views of the Canadian Department of National Defence, the Canadian Armed Forces, the Royal Canadian Mounted Police or the Royal United Services Institute of Nova Scotia

RUSI(NS) also publishes a weekly *Defence & Security Newsletter*, aimed at opinion leaders and industry. If you are interested in receiving the newsletter, or want past editions, email [admin@duncom.ca](mailto:admin@duncom.ca).

#### Events:

To list an event in *Dispatches*, email the CIO by noon Thursday. RUSI(NS) events are by invitation only. If you are interested in attending and have not been invited, email [RUSINovaScotia@gmail.com](mailto:RUSINovaScotia@gmail.com). RUSI(NS) events may be cancelled at short notice – email RUSI(NS) if there is a question of an event occurring.

**16 November**, Saturday - book launch by author and RUSI(NS) member John Boileau "Amazing Atlantic Kids: Awesome stories of Bravery and Adventure." 2 pm. Halifax Central Library. "Amazing Atlantic Kids," a new children's non-fiction aimed at children ages 8 to 12., is a fascinating, full-colour, illustrated book featuring over 50 amazing and diverse young people who prove that greatness has no age limit. There will be an author reading, refreshments, and books for sale and signing. All ages are welcome!



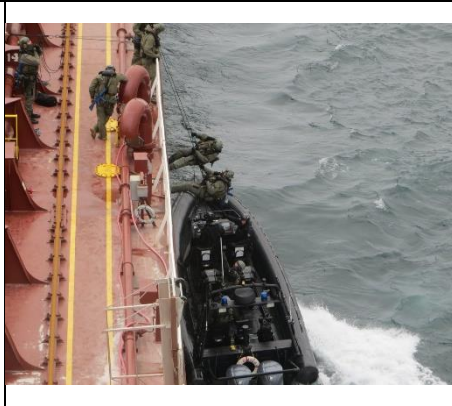

**16 November**, Saturday - Atlantic Commandery of the Order of Saint George third annual elegant black-tie fundraising dinner. Wardroom, CFB Halifax Wardroom. See invitation at end of *Dispatches* 1 November 2019.

**20 November**, Wednesday - Distinguished Speaker Craig Dalton, Veterans Ombudsman, about veterans affairs. 1130-1330. Royal Artillery Park Officers' Mess.

**4 December**, Wednesday – Seasonal Met & Greet. 1200-1400. Royal Artillery Park Officers' Mess.

**5 May 2020** - commemoration of the 75th Anniversary of the Liberation of the Netherlands. Contact Peter Stoffer or email [RUSINovaScotia@gmail.com](mailto:RUSINovaScotia@gmail.com) for information.

**Tweeted by @RUSI\_NS:** RUSI(NS) tweets may also be viewed by clicking on the icon at <https://RUSI-NS.ca>. To have something tweeted or retweeted, email the CIO at [RUSINovaScotia@gmail.com](mailto:RUSINovaScotia@gmail.com). Original article title in parentheses.

<p>"US-led coalition to protect ships on Middle East oil routes formally launches" <a href="https://www.stripes.com/news/middle-east/us-led-coalition-to-protect-ships-on-middle-east-oil-routes-formally-launches-1.606417">https://www.stripes.com/news/middle-east/us-led-coalition-to-protect-ships-on-middle-east-oil-routes-formally-launches-1.606417</a> Whether CAN joins or not, at least having globally-deployable #RCNavy frigates allows option of joining to be considered by gov't</p>	
<p>Irving Shipbuilding @IrvingShipbuild 8 Nov tweeted and RUSI(NS) retweeted: Today the second Arctic and Offshore Patrol Ship, the future HMCS Margaret Brooke, was successfully transition from land-level onto a submersible barge for the vessel's planned launch. (The future HMCS Margaret Brooke transitioned to barge for launch <a href="https://shipsforcanad.ca/our-stories/the-future-hmcs-margaret-brooke-transitioned-to-barge-for-launch">https://shipsforcanad.ca/our-stories/the-future-hmcs-margaret-brooke-transitioned-to-barge-for-launch</a>)</p>	
<p>Algoma Central @AlgomaCentral 7 Nov tweeted: The Algoma Sault had some visitors in Lake Ontario last week! The @rcmpgrcpolice boarded the vessel (which was moving at normal course and speed) for on-water marine security training. Thanks for stopping by! We are always happy to help support your training exercises! #Training (<a href="https://twitter.com/AlgomaCentral/status/1192516644490403841">https://twitter.com/AlgomaCentral/status/1192516644490403841</a>) RUSI(NS) retweeted: Practical exercise with a co-operative target, the best sort of live training. It's not just the #RCNavy that has a ship boarding capability. And, yes, @RoyalCanNavy and @RCMPGRCpolice train together</p>	
<p>Australia Defence Association @austdef 11 Nov tweeted and RUSI(NS) retweeted: Dr Peter Layton: "Australia's F-35s: lessons from a problematic purchase". Bringing senior RAAF experience, academic credibility, informed scepticism about the flawed white-paper process &amp; commonsense objectivity to bear. #ausdef #auspol (Australia's F-35s: Lessons from a problematic purchase <a href="https://www.lowyinstitute.org/the-interpretor/australia-s-f-35s-lessons-from-problematic-purchase">https://www.lowyinstitute.org/the-interpretor/australia-s-f-35s-lessons-from-problematic-purchase</a>)</p>	

Seaspan Shipyards @MoreThanShips 12 Nov tweeted and RUSI(NS) retweeted: Grand blocking for the first Joint Support Ship being constructed for the @RoyalCanNavy is underway and blocks are continuing to come together. There are now 32 blocks under construction at various stages throughout Seaspan Vancouver Shipyards here in #NorthVancouver (<https://twitter.com/MoreThanShips/status/1194372070181703680>)

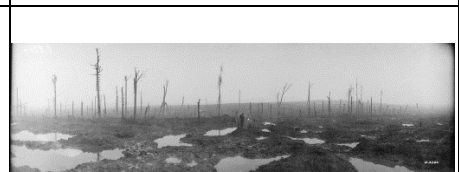
*"Grand blocking" is a term that needs clarification.*



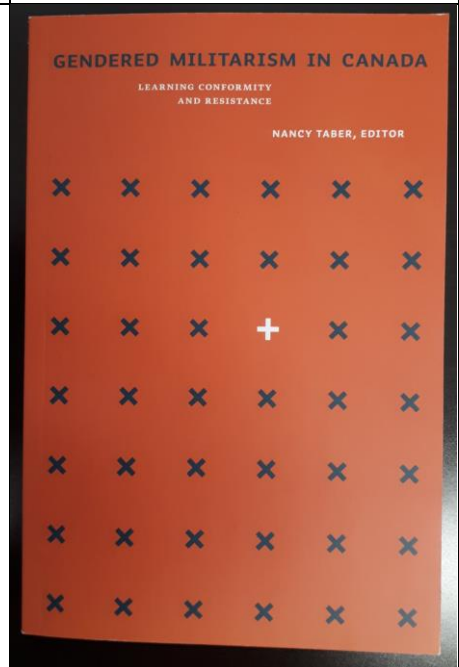
STRATCOMCOE @STRATCOMCOE 12 Nov tweeted and RUSI(NS) retweeted: Researchers at @RANDCorporation have created a database of tools you can use to combat truth decay - from whitelisting, to bot detection and educational resources. Check it out: (Fighting Disinformation Online - A Database of Web Tools <https://www.rand.org/research/projects/truth-decay/fighting-disinformation.html>)



"More Than a Name" <http://www.bac-lac.gc.ca/eng/about-us/publications/signatures/Pages/signatures-fall-winter-2019.aspx#art06> "To honour the men and women who died in battle, Canada created the Books of Remembrance." Additions, identified through research, can be added. #WeRemember HT @LibraryArchive



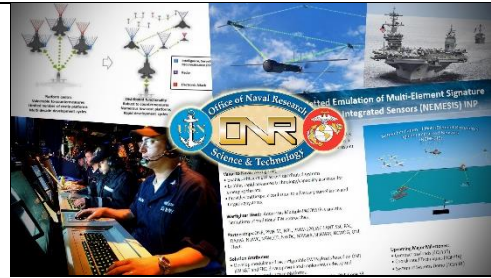
CDA Institute @CDAInstitute 14 Nov tweeted and RUSI(NS) retweeted: Today's featured text: a #BookReview of "Gendered Militarism in Canada" by @CharlotteDuLan <https://cdainstitute.ca/book-review-gendered-militarism-in-canada/> @UAlberta Press." (Book Review: Gendered Militarism in Canada <https://cdainstitute.ca/book-review-gendered-militarism-in-canada/>)



**Posted on Facebook Royal United Services Institute NS with comments:**

The Navy's Secretive And Revolutionary Program To Project False Fleets From Drone Swarms

<https://www.thedrive.com/the-war-zone/29505/the-navys-secretive-nemesis-electronic-warfare-capability-will-change-naval-combat-forever>



NEMESIS = Netted Emulation of Multi-Element Signature against Integrated Sensors

"...the Navy has been developing and integrating multiple types of unmanned vehicles, shipboard and submarine systems, countermeasures and electronic warfare payloads, and communication technologies to give it the ability to project what is, in essence, phantom fleets of aircraft, ships, and submarines."

Keel Authenticated for First Flight III Arleigh Burke Class Destroyer

<https://www.navsea.navy.mil/Media/News/SavedNewsModule/Article/2011689/keel-authenticated-for-first-flight-iii-arleigh-burke-class-destroyer/>



"Ruby Lucas and Catherine B. Reynolds, ship sponsors, authenticated the keel by etching their initials into the keel plate. Although the official start of fabrication began in May 2018, authenticating the ship's keel symbolically recognizes the joining of modular components and represents the ceremonial beginning of the ship."

There are differences in tradition and ceremony between navies, even those that have common links in history. The US Navy authenticates keels of ships. For a Royal Canadian Navy ship, the keel is 'laid,' usually with a coin placed or welded to the keel (or block representing the keel).

The 2% Target: Spending Increases and the Russian Threat

<https://rusi.org/publication/rusi-newsbrief/2-target-spending-increases-and-russian-threat>



"While all NATO countries have increased defence spending since 2014, the Alliance's new members have done the most."

"...NATO's member states – especially its European members – have been able to shift significant new resources into defence in response to a shared appreciation of an increased external threat. Moreover, in

contrast to the last NATO spending ‘surge’ in the early 1980s, it has been European states – and most of all the smaller member states – who have stepped up to the plate most impressively.”

Hmm, Canada isn't getting recognition for its efforts. Not good enough?

Military changing how soldiers leave service

<https://torontosun.com/news/national/military-changing-how-soldiers-leave-service>



It looks good, but they still don't talk about medical care being in place before release.

Russia’s ability to hold and capture territory in Europe threatens US and NATO forces

<https://www.militarytimes.com/flashpoints/2019/11/06/russias-ability-to-hold-and-capture-territory-in-europe-threatens-us-and-nato-forces/>



"Russian investments since 2000 into ground, missile, artillery and electronic warfare capabilities has modernized the Russian military into highly mobile force capable of capturing and holding territory in Europe, according to a RAND report."

Report “Trends in Russia’s Armed Forces” at:

[https://www.rand.org/pubs/research\\_reports/RR2573.html](https://www.rand.org/pubs/research_reports/RR2573.html)

NATO’s Defense Guarantee Is Potent Because It’s Vague

<https://news.yahoo.com/nato-defense-guarantee-potent-because-050002028.html>



"...the International Court of Justice has ruled since then that providing weapons and logistical support to rebels doesn’t constitute an armed attack, so all an adversary state fomenting a revolution or a secession needs to do is avoid directly controlling the insurgent forces."

One can be certain that scenarios have been discussed, gamed and exercised. More public discussion could be worthwhile. Diplomatic and military responses are better done with public support. Support is better obtained when there has been information published and the public has had the time and opportunity to comprehend and discuss armed attacks, cyber attacks, etc., including alliance responses.

War has always been messy. The hybrid warfare in use these days needs to be part of our understanding.

What war memorials forget

<https://www.macleans.ca/opinion/what-war-memorials-forget/>



"It would serve us well, however, not to let the commemoration of past wars and its soldiers obscure the past and present realities of Canada and Canada's wars. By being more thoughtful about acts of commemoration, including by pondering who is and who is not represented, we stand a better chance of righting some wrongs and, I hope, of preventing future wars

Will Drone Swarms Render the Submarine Obsolete?

<https://nationalinterest.org/blog/buzz/will-drone-swarms-render-submarine-obsolete-95276>



To answer the (obvious) question, yes, swarms of air, surface and underwater drones, networked together and with fixed sensors, will definitely change anti-submarine warfare. Whether submarines become obsolete, or find a new place in the spectrum of naval operations as so many 'made obsolete' military capabilities have in the past, is to be determined. History points to the latter.

An ARE (acronym rich environment)!:

- Distributed Underwater Wireless Sensor Networks (DUWSN)
- LOCUST (Low-Cost UAV Swarming Technology) drones
- Submarine Hold-At-Risk, (SHARK), part of Distributed Agile Submarine Hunting (DASH)
- Netted Emulation of Multi-Element Signature against Integrated Sensors (NEMESIS) which employs distributed systems including decoys, jammers, acoustic countermeasures, and multiple-input/output radios (MIMO) to create dozens of fake sensor returns.

New US-led coalition launches Operation Sentinel to protect Persian Gulf shipping

<https://thedefensepost.com/2019/11/07/us-operation-sentinel-launches-persian-gulf-shipping/>



"Combined Task Force 152 is designed to enhance naval cooperation in the region, conducting maritime security operations and coordinating security cooperation with regional partners. CTF 152 consists of ships, aircraft and personnel from states including Saudi Arabia, Bahrain, Jordan, Qatar, Kuwait, UAE, the U.K. and the United States. France, Australia and Italy have also participated in the task force."

Operation SENTINEL will be a nickname to watch. Canada has been part of, indeed, led Combined

Task Force (CTF) 150 (counter-terrorism - see: <https://rusi-ns.ca/combined-task-force-150/>) but not CTF 151 (counter-piracy) or CTF 152 (Persian Gulf security). The nickname for the Canadian operation is ARTEMIS (<https://www.canada.ca/en/department-national-defence/services/operations/military-operations/current-operations/operation-artemis.html>).

Internet of military things: Leading technology trends revealed

<https://www.army-technology.com/comment/internet-of-military-things-leading-technology-trends-revealed/>



"The Internet of Things (IoT) in the defence industry, also known as the Internet of Military Things (IoMT) or Internet of Battlefield Things (IoBT), is in its early stages."

Why do federal employees have such difficulty figuring out what Canadian soldiers look like?

<https://ottawacitizen.com/news/national/defence-watch/why-do-federal-employees-have-such-difficulty-figuring-out-what-canadian-soldiers-look-like>



The complexities of the military, now and in history, the people, equipment and practices, are so complex that not even those in the military presume they know all about it. You have to be living, sometimes for quite a while, a part of the military to know comfortable just that part (it's part of why 'joint operations' - navy, army, air force together - aren't as simple as some think they should be). Fans and historians can help; their knowledge/advice should be sought and treasured.

And it's not just 'federal employees' who can be challenged. Global National News 8 November ran a trailer with Prussians in pickelhaube (distinctive national spiked helmets) attacking out of their trenches as a lead-in to an article about Canadian veterans.

Halifax Shipyard Produces Canada's Second Arctic and Offshore Function Patrol Ship

<https://www.thecloudtribune.com/2019/11/11/halifax-shipyard-produces-canadas-second-arctic-and-offshore-function-patrol-ship/>



Okay, what's a "function patrol ship?"

Let's not get into talking about roles and missions...

Defence firm Leonardo investing in solar-powered drone with heavy payload

<https://ukdefencejournal.org.uk/defence-firm-leonardo-investing-in-solar-powered-drone-with-heavy-payload/>



"...the world's first fully electric unmanned aircraft capable of carrying large payloads with unlimited range and ultra-persistent endurance."

Almost a low-orbit satellite. Now this is going to be a great force multiplier.

US Marine Corps seeks unmanned breaching vehicle

<https://www.naval-technology.com/news/us-marine-corps-seeks-unmanned-breaching-vehicle/>



"The new unmanned system, known as the Crawling Remotely Operated Amphibious Breacher (CRAB), will be a submersible platform with a mine flail, tiller and rake designed to pave the way for amphibious forces."

Some drones are getting more and more like something out of a science fiction movie. Innovative.

Report slams Norwegian Navy for training, safety shortfalls in the run-up to frigate sinking

[https://www.defensenews.com/naval/2019/11/12/safety-report-slams-the-norwegian-navy-for-training-safety-shortfalls-in-the-runup-to-frigate-sinking/?utm\\_source=Sailthru&utm\\_medium=email&utm\\_campaign=EBB%2011.12.19&utm\\_term=Editorial%20-%20Early%20Bird%20Brief](https://www.defensenews.com/naval/2019/11/12/safety-report-slams-the-norwegian-navy-for-training-safety-shortfalls-in-the-runup-to-frigate-sinking/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2011.12.19&utm_term=Editorial%20-%20Early%20Bird%20Brief)



The Accident Investigation Board of Norway (AIBN) has released "Part 1" of its report on the collision of Norwegian frigate HELGE INGSTAD with oil tanker SOLA TS on 8 November 2018. Although blame was found with multiple parties, considerable emphasis was placed on the inexperience of naval bridge watchkeepers, their failure to appreciate the unfolding situation, and their subsequent decision-making. AIBN's composite video of the incident, constructed with animation graphics and embedded actual audio/video recordings, suggests a much more serious event was only narrowly avoided.

AIBN report: <https://www.aibn.no/Marine/Published-reports/2019-08-eng>

Video link: <https://youtu.be/HVGe6ltIxQs>



AIBN issued 15 safety recommendations, including:

- a. changes to navy watchkeeper training,
- b. mandated warship use of AIS in VTS-controlled areas, and
- c. mandatory warship use of voyage data recorders.

No mention is made of the alleged ship design flaws that the Norwegian previously stated had contributed to the damage sustained by the frigate, and which was strenuously denied by the builder. Several comments in the report echo similar findings in US Navy investigations of their recent incidents in the Pacific: junior officer inexperience, inadequate training, confirmation bias, poor decision-making.

Fortunately, only minor injuries were reported, despite mass evacuation [<https://vimeo.com/299606100>] of HELGE INGSTAD. The frigate was refloated [<https://youtu.be/9oGwA2vmA-I>] after divers removed its missile canisters [<https://youtu.be/bQSe6X7GIkw>] and torpedoes [<https://youtu.be/rqVR2AK9DW4>] but Norway decided to scrap the frigate after determining repair costs would exceed the \$1.2 billion replacement price.

The AIBN investigation continues.

Delivery of the navy's first Arctic and offshore patrol ship delayed until 2020

<https://www.msn.com/en-ca/news/politics/delivery-of-the-navys-first-arctic-and-offshore-patrol-ship-delayed-until-2020/ar-BBWEysv>



Irving Shipbuilding has stated that “we want to get this right before we turn the ship over to the Navy.”

It is ‘normal’ that the first ship of a class, especially a new class, is late. This is because shipyards do not build prototypes (often multiple versions) the way that aircraft manufacturers do. The first Halifax-class frigate was very late as well. ‘Success’ is measured by the arrival date of the last ship in the class and the overall cost of the program. HMCS ST. LAURENT was such a terrible ship that she spent inordinately long periods in everything from short work periods to major refits and was never a reliable ship despite the cost and effort by the navy. The admirals were quite glad to pay her off and be done with her.

Irving want to avoid that happening and is prepared to face the additional costs and criticisms in the media in order to take the corrective actions now rather than later.

Canada needs to start seeing Russia and China as 'adversaries,' says ex-CSIS chief

<https://www.cbc.ca/news/politics/canada-russia-china-fadden-trump-1.5357109>



'Canada should "recognize our adversaries for what they are, recognize we have to deal with them, but draw clear limits to what we will accept," (Fadden) said.'

'...the old post-Cold War world order "with comprehensive U.S. leadership is gone, and is not coming back in the form we knew.

#### Another Way to Buy Frigates

[https://www.cgai.ca/another\\_way\\_to\\_buy\\_frigates](https://www.cgai.ca/another_way_to_buy_frigates)



Despite sharing numerous common legacy and security factors (with some obvious geopolitical differences), Australia and Canada employed markedly different requirement definition and procurement processes for their frigate replacement projects. Although Canada incurred significant delay and cost, the same selection was ultimately made: BAE Type 26 (with some notable CANAVMOD - Canadian Naval Modifications).






Ian Mack, who claims intimate involvement with the Canadian project from 2007 to 2017, offers a comparison of the processes that is not flattering to Canada with his analysis "Another Way to Buy Frigates" ([https://www.cgai.ca/another\\_way\\_to\\_buy\\_frigates](https://www.cgai.ca/another_way_to_buy_frigates)).

“In Canada, significant effort was expended on regular reporting to layers of senior governance throughout the RfP [Request for Proposal] development phase, predominantly on project status and changes. Despite the onerous reporting demands, only a few key decisions were rendered and rarely in a timely manner. The opposite was the case in Australia.”

“Also in the mandatory category in CSC [Canadian Surface Combatant] were such things as intellectual property, liabilities and insurance requirements – such terms being debated at great length before finalization (in the case of intellectual property with final decisions only in the last hours before RfP release). Australia employed the more pragmatic approach of defining desires without mandatory minimums”

“And while litigation was always a possibility for both projects, there was more of a preoccupation in Canada around the pursuit of zero risk by achieving fairness and certainty as absolutes. Australia’s RfT [Request for Tender] appeared to be based on the recognition that, in selected existing military off-the-shelf ship designs, which rendered the competition to be more about assessing apples, oranges and bananas, a more pragmatic RfT approach was needed.”

**Posted on Facebook Royal United Services Institute NS:** RUSI(NS) postings may be viewed by clicking on the icon at <https://RUSI-NS.ca>. To have something posted or commented, email the CIO by noon Thursday.

 <p><b>RUSI</b> www.rusi.org</p> <h1>This Week</h1> <p><a href="https://mailchi.mp/rusi.org/thisweek-8-november-167045?e=a539211a30">https://mailchi.mp/rusi.org/thisweek-8-november-167045?e=a539211a30</a></p>	
<p>Boeing confirms it is taking part in Canada's future fighter jet competition</p> <p><a href="https://www.theguardian.pe.ca/news/canada/boeing-confirms-it-is-taking-part-in-canadas-future-fighter-jet-competition-373395/">https://www.theguardian.pe.ca/news/canada/boeing-confirms-it-is-taking-part-in-canadas-future-fighter-jet-competition-373395/</a></p>	
<p>Justin Trudeau says NATO continues to play important role</p> <p><a href="https://globalnews.ca/news/6142676/trudeau-macron-nato-brain-death/">https://globalnews.ca/news/6142676/trudeau-macron-nato-brain-death/</a></p>	
<p>More money, more missions: German defense minister unveils her plan for the Bundeswehr</p> <p><a href="https://www.defensenews.com/global/europe/2019/11/07/more-money-more-missions-german-defense-minister-unveils-her-plan-for-the-bundeswehr/?utm_source=Sailthru&amp;utm_medium=email&amp;utm_campaign=EBB%2011.08.19&amp;utm_term=Editorial%20-%20Early%20Bird%20Brief">https://www.defensenews.com/global/europe/2019/11/07/more-money-more-missions-german-defense-minister-unveils-her-plan-for-the-bundeswehr/?utm_source=Sailthru&amp;utm_medium=email&amp;utm_campaign=EBB%2011.08.19&amp;utm_term=Editorial%20-%20Early%20Bird%20Brief</a></p>	

At Long Last, the F-35 and F-22 Might Talk to Each Other

[https://www.defenseone.com/technology/2019/11/air-force-will-try-make-f-35-and-f-22-talk-each-other/161185/?oref=defense\\_one\\_breaking\\_nl](https://www.defenseone.com/technology/2019/11/air-force-will-try-make-f-35-and-f-22-talk-each-other/161185/?oref=defense_one_breaking_nl)



The Child Soldier Crisis: 'Kids Are Cheap'

[https://foreignpolicy.com/2019/11/08/child-soldier-crisis-kids-are-cheap-yemen-isis-my-star-sky/?utm\\_source=PostUp&utm\\_medium=email&utm\\_campaign=18002&utm\\_term=Editor#39;s%20Picks%20OC](https://foreignpolicy.com/2019/11/08/child-soldier-crisis-kids-are-cheap-yemen-isis-my-star-sky/?utm_source=PostUp&utm_medium=email&utm_campaign=18002&utm_term=Editor#39;s%20Picks%20OC)



Cracks emerging in European defence as NATO faces 'brain death', Macron warns

<https://www.theglobeandmail.com/politics/article-trudeau-says-nato-is-still-important-despite-macrons-warning-of/>



The Cold War Ended 30 Years Ago. Why Are Things With Russia So Bad?

[https://www.defenseone.com/ideas/2019/11/cold-war-ended-30-years-ago-so-why-are-things-russia-so-bad/161200/?oref=defense\\_one\\_breaking\\_nl](https://www.defenseone.com/ideas/2019/11/cold-war-ended-30-years-ago-so-why-are-things-russia-so-bad/161200/?oref=defense_one_breaking_nl)



Russia Says It Used Autonomous Armed Strike Drones in a Wargame

[https://www.defenseone.com/technology/2019/11/russia-were-testing-autonomous-armed-strike-drones-wargames/161187/?oref=defenseone\\_today\\_nl](https://www.defenseone.com/technology/2019/11/russia-were-testing-autonomous-armed-strike-drones-wargames/161187/?oref=defenseone_today_nl)



Five European navies rally around Cold War-era 'Channel Committee'

[https://www.defensenews.com/global/europe/2019/11/08/five-european-navies-rally-around-cold-war-era-channel-committee/?utm\\_source=Sailthru&utm\\_medium=email&utm\\_campaign=EBB%2011.12.19&utm\\_term=Editorial%20-%20Early%20Bird%20Brief](https://www.defensenews.com/global/europe/2019/11/08/five-european-navies-rally-around-cold-war-era-channel-committee/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2011.12.19&utm_term=Editorial%20-%20Early%20Bird%20Brief)



Turkey's S-400 buy may have spoiled Gulf nations' chances of flying the F-35

[https://www.defensenews.com/digital-show-dailies/dubai-air-show/2019/11/12/turkeys-s-400-buy-may-have-spoiled-gulf-nations-chances-of-flying-the-f-35/?utm\\_source=Sailthru&utm\\_medium=email&utm\\_campaign=EBB%2011.12.19&utm\\_term=Editorial%20-%20Early%20Bird%20Brief](https://www.defensenews.com/digital-show-dailies/dubai-air-show/2019/11/12/turkeys-s-400-buy-may-have-spoiled-gulf-nations-chances-of-flying-the-f-35/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2011.12.19&utm_term=Editorial%20-%20Early%20Bird%20Brief)



Can a new Franco-German export agreement clear the air for Europe's future fighter?

[https://www.defensenews.com/air/2019/11/11/can-a-new-franco-german-export-agreement-clear-the-air-for-europes-future-fighter/?utm\\_source=Sailthru&utm\\_medium=email&utm\\_campaign=EBB%2011.12.19&utm\\_term=Editorial%20-%20Early%20Bird%20Brief](https://www.defensenews.com/air/2019/11/11/can-a-new-franco-german-export-agreement-clear-the-air-for-europes-future-fighter/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2011.12.19&utm_term=Editorial%20-%20Early%20Bird%20Brief)



A new future in global arms sales?

[https://www.defensenews.com/global/mideast-africa/2019/11/11/a-new-future-in-global-arms-sales/?utm\\_source=Sailthru&utm\\_medium=email&utm\\_campaign=EBB%2011.12.19&utm\\_term=Editorial%20-%20Early%20Bird%20Brief](https://www.defensenews.com/global/mideast-africa/2019/11/11/a-new-future-in-global-arms-sales/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2011.12.19&utm_term=Editorial%20-%20Early%20Bird%20Brief)



Revisiting the Vietnam War at Home — And What It Means for Today

[https://warontherocks.com/2019/11/revisiting-the-vietnam-war-at-home-and-what-it-means-for-today/?utm\\_source=WOTR+Newsletter&utm\\_campaign=47e43c9851-EMAIL\\_CAMPAIGN\\_10\\_30\\_2018\\_11\\_23\\_COPY\\_01&utm\\_medium=email&utm\\_term=0\\_8375be81e9-47e43c9851-82904617](https://warontherocks.com/2019/11/revisiting-the-vietnam-war-at-home-and-what-it-means-for-today/?utm_source=WOTR+Newsletter&utm_campaign=47e43c9851-EMAIL_CAMPAIGN_10_30_2018_11_23_COPY_01&utm_medium=email&utm_term=0_8375be81e9-47e43c9851-82904617)



Canadian intelligence agencies at odds over whether to ban Huawei from 5G networks: official

<https://www.theglobeandmail.com/politics/article-canadian-intelligence-agencies-disagree-on-whether-to-ban-huawei-from/>



Delivery of Canada's first Arctic and offshore patrol vessel delayed until 2020

<https://globalnews.ca/news/6157968/delivery-of-canadas-first-arctic-and-offshore-patrol-vessel-delayed-until-2020/>



'That's When I Became A Sniper': Ukraine's Women Vets Describe Their War

[https://www.defenseone.com/politics/2019/11/s-when-i-became-sniper-ukraines-woman-vets-describe-their-war/161247/?oref=defenseone\\_today\\_nl](https://www.defenseone.com/politics/2019/11/s-when-i-became-sniper-ukraines-woman-vets-describe-their-war/161247/?oref=defenseone_today_nl)



China Says It's Developing 6G. What Does That Mean?

[https://www.defenseone.com/technology/2019/11/china-said-its-developing-6g-what-does-mean/161240/?oref=defenseone\\_today\\_nl](https://www.defenseone.com/technology/2019/11/china-said-its-developing-6g-what-does-mean/161240/?oref=defenseone_today_nl)



Japan, US say 3-way ties with South Korea are key to security

[https://www.militarytimes.com/news/pentagon-congress/2019/11/13/japan-us-say-3-way-ties-with-south-korea-are-key-to-security/?utm\\_source=Sailthru&utm\\_medium=email&utm\\_campaign=EBB%2011.12.19&utm\\_term=Editorial%20-%20Early%20Bird%20Brief](https://www.militarytimes.com/news/pentagon-congress/2019/11/13/japan-us-say-3-way-ties-with-south-korea-are-key-to-security/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2011.12.19&utm_term=Editorial%20-%20Early%20Bird%20Brief)



EU unveils new cooperation projects in training, cyber operations, naval warfare

[https://www.defensenews.com/global/europe/2019/11/12/eu-unveils-new-cooperation-projects-in-training-cyber-operations-naval-warfare/?utm\\_source=Sailthru&utm\\_medium=email&utm\\_campaign=EBB%2011.12.19&utm\\_term=Editorial%20-%20Early%20Bird%20Brief](https://www.defensenews.com/global/europe/2019/11/12/eu-unveils-new-cooperation-projects-in-training-cyber-operations-naval-warfare/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2011.12.19&utm_term=Editorial%20-%20Early%20Bird%20Brief)



### Chinese Firms Can't Avoid Being Party Tools

[https://foreignpolicy.com/2019/11/12/china-communist-party-british-steel-brex-it-chinese-firms-cant-help-be-party-tools/?utm\\_source=PostUp&utm\\_medium=email&utm\\_campaign=18103&utm\\_term=Flashpoints%20OC](https://foreignpolicy.com/2019/11/12/china-communist-party-british-steel-brex-it-chinese-firms-cant-help-be-party-tools/?utm_source=PostUp&utm_medium=email&utm_campaign=18103&utm_term=Flashpoints%20OC)



### The United States' Nuclear and Non-Nuclear Weapons Are Dangerously Entangled

[https://foreignpolicy.com/2019/11/12/the-united-states-nuclear-and-non-nuclear-weapons-are-dangerously-entangled/?utm\\_source=PostUp&utm\\_medium=email&utm\\_campaign=18103&utm\\_term=Flashpoints%20OC](https://foreignpolicy.com/2019/11/12/the-united-states-nuclear-and-non-nuclear-weapons-are-dangerously-entangled/?utm_source=PostUp&utm_medium=email&utm_campaign=18103&utm_term=Flashpoints%20OC)



### Air Force to link F-35, F-22 in 'connect-a-thon' experiment

<https://www.c4isrnet.com/air/2019/11/12/us-air-force-to-link-f-35-with-f-22-in-connect-a-thon-experiment/>



### The Air Force Wants to Connect Stealth Fighters to Secret X-37 Space Plane

<https://www.military.com/daily-news/2019/11/08/air-force-wants-connect-stealth-fighters-secret-x-37-space-plane.html>



### The real obstacle for reforming military spending isn't in the defence ministry. It's the Treasury Board

<https://www.theglobeandmail.com/opinion/article-the-real-obstacle-for-reforming-military-spending-isnt-in-the-defence/>



Stealthy Lockheed F-35 Breaks Down Too Often, Pentagon Says

[https://www.bloomberg.com/news/articles/2019-11-13/lockheed-s-stealthy-f-35-breaks-down-too-often-pentagon-says?utm\\_source=Sailthru&utm\\_medium=email&utm\\_campaign=EBB%2011.14.19&utm\\_term=Editorial%20-%20Early%20Bird%20Brief](https://www.bloomberg.com/news/articles/2019-11-13/lockheed-s-stealthy-f-35-breaks-down-too-often-pentagon-says?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2011.14.19&utm_term=Editorial%20-%20Early%20Bird%20Brief)



North Korea rebuffs U.S. offer of December talks, urges halt in military drills

[https://www.reuters.com/article/us-southkorea-usa/u-s-ready-to-use-full-range-capabilities-to-defend-south-korea-idUSKBN1XO0JM?utm\\_source=Sailthru&utm\\_medium=email&utm\\_campaign=EBB%2011.14.19&utm\\_term=Editorial%20-%20Early%20Bird%20Brief](https://www.reuters.com/article/us-southkorea-usa/u-s-ready-to-use-full-range-capabilities-to-defend-south-korea-idUSKBN1XO0JM?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2011.14.19&utm_term=Editorial%20-%20Early%20Bird%20Brief)



South Korea Should Consider Sticking with Intelligence-Sharing Pact with Japan

[https://www.rand.org/blog/2019/11/south-korea-should-consider-sticking-with-intelligence.html?utm\\_source=WhatCountsEmail&utm\\_medium=RAND%20Policy%20Currents+AEM:%20%20Email%20Address%20NOT%20LIKE%20DOTMIL&utm\\_campaign=AEM:631600804](https://www.rand.org/blog/2019/11/south-korea-should-consider-sticking-with-intelligence.html?utm_source=WhatCountsEmail&utm_medium=RAND%20Policy%20Currents+AEM:%20%20Email%20Address%20NOT%20LIKE%20DOTMIL&utm_campaign=AEM:631600804)



**Other Sources:** Recommendations for ‘themes’ (e.g., #drones) to list in this section are welcome.

**#artificial intelligence**

GCHQ embraces AI, but not as a black box

<https://aboutintel.eu/gchq-embraces-ai/>

**#defence procurement**

The real obstacle for reforming military spending isn’t in the defence ministry. It’s the Treasury Board

<https://www.theglobeandmail.com/opinion/article-the-real-obstacle-for-reforming-military-spending-isnt-in-the-defence/>

**#drones**

Navy and Marines eye two new unmanned maritime vessels for additional demonstrations, technology upgrades

<https://www.militaryaerospace.com/unmanned/article/14071468/unmanned-maritime>

Lockheed Martin Athena laser weapon has shot down multiple fixed-wing and rotary drones

<https://armyrecognition.com/november-2019-global-defense-security-army-news-industry/lockheed-martin-athena-laser-weapon-has-shot-down-multiple-fixed-wing-and-rotary-drones.html>



Sky's the limit for former paratrooper leading the charge on drone technology  
<https://edmontonjournal.com/news/local-news/nick-lees-skys-the-limit-for-former-paratrooper-leading-the-charge-on-drone-technology>

### **#information operations**

To Stop Fake News, Online Journalism Needs a Global Watchdog

<https://foreignpolicy.com/2019/11/06/to-stop-fake-news-online-journalism-needs-a-global-watchdog/>

Behind firewall. PDF available on request to [RUSINovaScotia@gmail.com](mailto:RUSINovaScotia@gmail.com).

### **#land power**

Land Power: More than Simply the Element of Decision

[https://www.infinityjournal.com/article/160/Land\\_Power\\_More\\_than\\_Simply\\_the\\_Element\\_of\\_Decision/](https://www.infinityjournal.com/article/160/Land_Power_More_than_Simply_the_Element_of_Decision/)

Requires login, but that simple to obtain

### **#logistics**

How did we get here? Building the Defence logistician

<https://logisticsinwar.com/2019/11/10/how-did-we-get-here-building-the-defence-logistician-part-one-2/>

### **#NATO**

The Paradox at the Heart of NATO's Return to Article 5

<https://rusi.org/publication/rusi-newsbrief/paradox-heart-natos-return-article-5>

### **#personnel**

Military changing how soldiers leave service

<https://torontosun.com/news/national/military-changing-how-soldiers-leave-service>

Hopefully applies to sailors and air people, too.

### **#terrorism**

Domestic Terrorism – Defining a Real Threat

<https://www.domesticpreparedness.com/resilience/domestic-terrorism-defining-a-real-threat/>

Okay, US article, but we share so much.

### **#United States**

Report to Congress on U.S. Role in the World

<https://news.usni.org/2019/11/11/report-to-congress-on-u-s-role-in-the-world>

### **#veterans**

"Thank You For Your Service": Veterans Day and the Civil-Military Divide

<https://mwi.usma.edu/thank-service-veterans-day-civil-military-divide/>

### **#weapons**

Defense Primer: U.S. Precision-Guided Munitions

<https://news.usni.org/2019/11/08/defense-primer-u-s-precision-guided-munitions>

**Other:**

Definitely quotable despite the age:

"Nervos belli, pecuniam infinitam."

*Endless money forms the sinews of war*

Cicero

An engaging use of words from the Disinformation Review 14 November 2019 (<https://euvsdisinfo.eu/>):

"Cartomancy is the concept of fortune-telling, using a deck of cards. The similarity with traditional pro-Kremlin disinformation is strong: the disinformation operative uses unfounded and vague claims, suggesting connections where there are none; creating contexts from chance... just as a fortune-teller. The Kremlin cartomancers tell pleasant lies, using well-worn tropes of half-truths, 'reliable' narratives, clichés and prejudices."

The RCMP Gave Canada and the World Big Band Music

<http://www.bac-lac.gc.ca/eng/about-us/publications/signatures/Pages/signatures-fall-winter-2019.aspx#art08>



Hmm, maybe we should ask our RCMP rep to be the musical accompaniment at our next Dinner...