



Royal United Services Institute of Nova Scotia Dispatches 24 April 2020

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. 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.

Membership Data Base Review

A scrub of our membership data base is being undertaken by Bobby Corbin, RUSI(NS) Secretary. You may receive an email checking to confirm information about you in the data base (info therein is based on our application/renewal form) or checking about the currency of your membership. Please reply

promptly to Bobby, as we do not want to remove from the data base people who wish to continue to enjoy the benefits of membership. Thank you.

COVID-19

The Canadian Armed Forces and COVID-19 -- April 24 update

Colleagues and partners in defence,

We, along with all Canadians are grieving with Nova Scotians and anyone, anywhere, who has been affected by the senseless tragedy of last weekend. To any of you who have been directly or indirectly affected, please know that you are in our thoughts.

The events in Nova Scotia provided an unfortunate reminder that an ongoing international pandemic doesn't prevent other emergencies from happening. And while CAF members and equipment may be highly visible in the national response to COVID-19, they are just one part of a whole-of-nation collaborative approach.

As always, the CAF stands ready to support Canadians and our whole-of-nation partners in this time of need as they work together to respond to COVID-19 as part of Operation LASER. On the Op LASER front, I'd like to give you some updates on what the CAF has been doing since my last email.

Last weekend, CAF liaison and reconnaissance teams were dispatched to Quebec's long-term care facilities to gather information to assist the deployment of CAF medical personnel. By Tuesday, five CAF teams were deployed to help temporarily relieve pressure and to create space for regional and provincial organizations to reestablish stability at these facilities. Each team consists of two nurses, 12 medical technicians, and additional required support personnel. They are working alongside existing civilian health care staff in five long-term care facilities in and around Montreal.

The CAF has received additional Requests for Assistance to support Ontario and Quebec's long-term care facilities. We are working with the Government Operations Centre to assess the situation, and reconnaissance and planning work is underway.

As CAF medical personnel are deployed within an in-patient health care setting, they are authorized to wear hospital scrubs instead of their CAF uniform while on duty, to ensure compliance with long-term health care facilities' hygiene and uniform guidelines. This will allow CAF members to seamlessly transition into these facilities without causing confusion or additional stress to vulnerable patients. And they are all properly equipped with Personnel Protective Equipment (PPE) suited to the specific tasks they have been assigned.

I want to assure you that the CAF is sufficiently equipped to ensure our frontline CAF members have the PPE needed to meet their health and safety needs when called to support civilian authorities.

There has been some recent discussion in the media and on social media about CAF medical capabilities, so I would like to take this opportunity to provide you with some context. The Canadian Forces Health Services Group provides medical and dental services to roughly 68,000 Regular Force members, as well as reservists on operations or on full-time service in excess of 180 days. The CAF currently employs about 2,600 Regular Force medical professionals, including approximately 460 doctors and nurses, across a wide spectrum of nearly 50 specialties and occupations. While this type of work is not typical for CAF personnel and our medical teams, they are up to the task. They will do

whatever they can to assist the front line health care providers who have been working tirelessly to maintain the well-being and safety of vulnerable Canadians.

As some of these CAF members are deployed to long-term care facilities in Quebec and Ontario, other CAF members continue to respond to various requests for assistance (RFAs) across the country:

- In Ontario, CAF Health Services personnel are supporting the Public Health Agency of Canada (PHAC) with contact tracing.
- In multiple regions across Canada, CAF personnel are also assisting PHAC with the warehouse management of PPE.
- Canadian Rangers remain deployed supporting various communities in Northern and Eastern Quebec. Since my last message, the 2nd Canadian Ranger Patrol Group received a mandate to support the Nutashkuan and Ekuanitshit (Mingan) First Nations communities, in addition to the assistance they are providing to the Basse-Côte-Nord and Nunavik regions.
- The 4th Canadian Ranger Patrol Group has activated three northern Saskatchewan Ranger Patrols located in Wollaston Lake, Île-à-la-Crosse and Fond-du-Lac.
- The Rangers are providing logistical support to local health authorities, and are assisting vulnerable or confined people in the community, as well as helping with local COVID-19 awareness programs.

As we move forward, I want to ensure that these messages provide you with valuable context and information. Please let me know if you have any feedback, including if you would like to continue receiving weekly messages, or if you would prefer to receive information every two weeks. We will continue to publish new information online at the following links:

[Op LASER page & Image Gallery](#)
[DND/CAF COVID-19 Page](#)
[CDS Letter](#)
[Comd RCN Message](#)

Finally, as Mental Health Week approaches, I think it's an important reminder for all of us to look after ourselves and each other. And remember that mental health isn't a conversation to be relegated to one week of the year. We should be talking about it all year long, and **especially** right now. At a time when we are preoccupied with a global physical health risk, compounded by a national tragedy, we want to remind all defence team members as well as our friends, families and defence partners that looking after our mental health is equally important to taking care of our physical health.

As always, please feel free to reach out directly if you have any questions. Stay safe, and we'll talk again soon.

Quinn Watson

Director, Outreach and Speechwriting
Assistant Deputy Minister (Public Affairs)
Department of National Defence | Government of Canada

How SAR operators are carrying out hoist missions during the Covid-19 pandemic
<https://www.verticalmag.com/news/search-and-rescue-operators-hoist-missions-covid-pandemic/>



Events:

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

Our events by video-conference are proving quite successful. If you have an idea for a topic or speaker, please email RUSINovaScotia@gmail.com.

20 May, Wednesday - Distinguished Speaker Jim Hanlon, Chief Executive Officer, Centre for Ocean Ventures & Entrepreneurship, titled "Canadian Ocean Science and the Role of AOPS." 1300-1500. By Zoom. **Registration required.** To register, email RUSINovaScotia@gmail.com. If you have a guest you wish to invite, ask them to email RUSINovaScotia@gmail.com and provide their name, organization, and from whom they got the invitation.

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. Original article title in parentheses.

<p>"Inside Canada's frayed pandemic early warning system and its COVID-19 response" https://www.cbc.ca/news/SOMNIA-1.5537925 State of our early warning systems should be part of a national security review undertaken when #COVID19 conditions (dare one write 'post-pandemic') allow</p>	
<p>Steph Théorêt @TankerSteph 22 Apr tweeted: Watching a helicopter passing by, then noticing a crew being lowered, holding a Nova Scotia flag. <i>Well done, 12 Wing!</i></p>	

"Coronavirus response: NATO mobilises its scientific network"
https://www.nato.int/cps/en/natohq/news_175293.htm #NATO Chief Scientist Challenge - call for solutions in virus detection, improved situational awareness, decontamination, resilience & post-#COVID19 future



Canadian Army @CanadianArmy Apr 23 tweeted: The Canadian Army stands ready!
RUSI(NS) retweeted: .@CanadianForces can & does provide range of support to Canadians🇨🇦 in response to domestic emergencies as #COVID19. Providing firewood great example of #CAF logistics capability (more importantly, our people in uniform) in action



Canadian Armed Forces Operations @CFOperations 26 Apr tweeted and RUSI(NS) retweeted: 1/2 The #CAF assists Public Health Ontario by conducting #COVID19 related contact tracing phone calls. 1 Dental Unit personnel are making calls to identified contacts of confirmed cases to provide them with the support they need, and improve their understanding of COVID-19.



"Military assistance requested as flooding hits downtown Fort McMurray"
<https://www.cbc.ca/news/SOMNIA-1.5546029> Presuming province's request for assistance (RFA) is agreed (likely), @CanadianForces response will be a #OpLENTUS
<https://www.canada.ca/en/department-national-defence/services/operations/military-operations/current-operations/operation-lentus.html> Poss several such ops 2020



RUSI @RUSI_org 28 Apr tweeted and RUSI(NS) retweeted: 'Increased public attention on the digital infrastructure underpinning healthcare systems during this pandemic is an excellent reason to boost its security'. New commentary from @SnehaDawda and @Lucas_RebeccaP.
<https://rusi.org/commentary/addressing-cyber-resilience-healthcare-systems-during-coronavirus-pandemic>
(Addressing the Cyber Resilience of Healthcare Systems During the Coronavirus Pandemic)



Posted on Facebook Royal United Services Institute NS with comments:

Piracy on the Rise Offshore from Mexico

<https://maritime-executive.com/article/piracy-on-the-rise-offshore-from-mexico>



These pirate attacks are probably not in the areas where Royal Canadian Navy warships conduct Op CARIBBE patrols (<https://www.canada.ca/en/departement-national-defence/services/operations/military-operations/current-operations/operation-caribbe.html>). But it does point out that there are more threats in the seas off the east coast of Central America region than the "illicit trafficking by transnational organized crime" which is the mission of Op CARIBBE patrols. Counter-piracy is a standing task of warships; one can be certain that Canadian warships are ready to respond, even more so now that there are reports of more attacks.

Russia reinforces Arctic naval group

<https://www.navyrecognition.com/index.php/focus-analysis/naval-technology/7634-russia-reinforces-arctic-naval-group.html>



It is striking that this article's graphic looks much like a graphic for the Canadian Navy's Harry DeWolf-class Arctic and Offshore Patrol Vessels. On reading the piece there are some other striking points: the size of the ship, a patrol vessel, at 8500 tons, and the explanation of her roles as "...designed for constant monitoring of the environment in a complicated ice situation and for escorting and towing detained vessels to seaports, accompanying and supporting supply vessels, participating in rescue operations, transporting special cargoes." Particularly the emphasis on "...escorting and towing detained vessels to seaports..."

In many respects the article isn't about a ship float-up but is another announcement (threat?) of Russian intentions on the Northern Sea Route. Interesting mix of messaging.

China Naval Modernization: Implications for U.S. Navy Capabilities—Background and Issues for Congress (RL33153)

<https://crsreports.congress.gov/product/details?prodcode=RL33153>



China Naval Modernization: Implications for U.S. Navy Capabilities—Background and Issues for Congress

Ronald O'Rourke
Specialist in Naval Affairs
Updated April 24, 2020

Congressional Research Service
7-...
www.crs.gov
RL33153

CRS REPORT
Prepared for Members and
Committees of Congress

This report could be (should be) read by anyone interested in international naval affairs, not just by those interested in the US and Chinese navies. Appendix A is titled "Comparing U.S. and Chinese Naval Capabilities." You could readily substitute names of any states for US and Chinese in the title, and garner worth from the appendix's discussion of ship counting and other ways of assessing relative naval capabilities.

The appendix concludes with a thought-provoking comment: "As mentioned earlier, while comparisons of the total numbers of ships in the PLAN and the U.S. Navy are highly problematic as a means of assessing relative U.S. and Chinese naval capabilities and how those capabilities compare to the missions assigned to those navies, an examination of the trends over time in the relative numbers of ships can shed some light on how the relative balance of U.S. and Chinese naval capabilities might be changing over time.

Remembering the Montgomery Ward Seizure: FDR and War Production Powers

<https://www.lawfareblog.com/remembering-montgomery-ward-seizure-fdr-and-war-production-powers>



While at first look this article appears to be one about an incident in US history from which only lessons of US law can be drawn, it actually can be thought provoking during this current pandemic. Industries have been mobilized to produce essential goods to 'fight the war' against the disease. So far, at least in Canada, that mobilization seems to have been voluntary (with maybe a little bit of market force applicable), but one wonders whether Canadian law would allow our government to seize industries to serve the purposes of the fight.

A search of the Canadian Emergencies Act (<https://laws-lois.justice.gc.ca/eng/acts/e-4.5/page-1.html>) for 'industry' results in no hits. There is, however, an interesting line at section 8(1)(e) which reads that "the Governor in Council may make such orders or regulations with respect to"... "the regulation of the distribution and availability of essential goods, services and resources..." That (and other parts of the section) appears to give great powers to the government to seize or otherwise regulate industry. So any

consideration of implementing the Emergencies Act should be made with appreciation, by the various private sectors and general public and not just by the government, of the ramifications.

For now, good ol' Canadian compassion and willingness to help is ensuring our government does not need to assume so great powers

From Non-Interference to Wolf Warrior: Chinese Foreign Internal Defense

<https://warontherocks.com/2020/04/from-non-interference-to-wolf-warrior-chinese-foreign-internal-defense/>



Intervention by Chinese military, or other Chinese forces with military capabilities and under state control (including "little green men"), into a state purportedly to protect Chinese nationals and interests, is not something that Western democracies should easily allow. The best way to counter this (and by the way, the West has a lot of history itself intervening) may be to bear in mind Sun Tzu's maxim (admonition?) "what is of supreme importance in war is to attack the enemy's strategy" (taking precedence over attacking an enemy's alliances, army, and cities, in that order). So, first, the West should be vigilant in looking out for such situations, opportunities for the Chinese, before they arise, and wary that such situations are not manufactured by the Chinese or by Western mis-action or failure to act. And second, as distasteful as it may seem, the West must be ready to intervene, if only with non-military capabilities, to suppress any excuses the Chinese may have (have created).

Gulf Island Shipyards Lays Keel for U.S. Navy's Future USNS Navajo (T-ATS 6)

<https://defpost.com/gulf-island-shipyards-lays-keel-for-u-s-navys-future-usns-navajo-t-ats-6/>



"A keel-laying is the ceremonial recognition of the start of a ship's construction and the joining of the ship's modular components. The keel serves as the symbolic backbone of the ship and is said to be 'truly and fairly laid' with the etching of an honoree's initials into the keel plate."

Keel laying for a Canadian warship is similar, though Canada does not etch or weld the initials of the honoree or sponsor to the keel and the traditional words may be 'well and truly laid.'

The article does not indicate what if any indigenous ceremonial might have been included in the keel-laying. It is usual to have some sort of blessing at this and other significant events in a warship's life. For the naming ceremony of the future HMCS Harry DeWolf, a smudging ceremony was conducted.

Quite the name to have on a naval sailor's ballcap: USNS Saginaw Ojibwe Anishinabek (T-ATS 8). Will future Canadian warships, as have past, carry indigenous names?

Declaring victory too soon: Lessons from Europe's different responses to coronavirus

<https://thebulletin.org/2020/04/declaring-victory-too-soon-lessons-from-europes-different-responses-to-coronavirus/>



"Obviously, the goal of 'titrating control measures to keep the demand for hospital beds below a maximum capacity'...hasn't quite worked out according to plan for the Netherlands and Sweden."

Hmm, titration. "Titration is the process of determining the medication dose that reduces your symptoms to the greatest possible degree while avoiding as many side effects as possible."

Our vocabularies are evolving as this pandemic continues. Certainly our appreciation of public health as part of our national security has developed. That appreciation should be institutionalized through a whole-of-nation lessons review at some point (soon). All sectors should be collecting observations now.

Lessons From A Crisis

<https://www.nationalacademies.org/news/2020/04/lessons-from-a-crisis>



"On the 10th anniversary of the Deepwater Horizon explosion, NAS President Marcia McNutt reflects on how science helped solve the crisis, and its lessons for the COVID-19 pandemic."

What the UK Reserves can Learn from a German Synagogue Architect

<https://rusi.org/commentary/what-uk-reserves-can-learn-german-synagogue-architect>



Hmm, the author makes a good point. Are our Canadian armouries aiding or not our attractions, recruitment and retention efforts?

Six ways the US can maximize its strategic benefit from defense spending

<https://www.defensenews.com/opinion/commentary/2020/04/24/six-ways-the-us-can-maximize-its-strategic-benefit-from-defense-spending/>



"Below are a half-dozen guidelines to help (the original article had 'the United States' - to what other countries, such as Canada, could these guidelines apply?) get the maximum strategic benefit from defense spending in this challenging time:"

1. Keep production lines going.
2. Stock up.
3. Be selective in divesting.
4. Get the most out of what we have.
5. Keep promoting innovation.
6. Share costs.

World War COVID-19: Who Bleeds, Who Pays?

<https://www.lawfareblog.com/world-war-covid-19-who-bleeds-who-pays>



"The country urgently needs a compassionate and candid national conversation about who bleeds and who pays in the war against COVID-19. The United States must confront the discomfiting truth that the trade-offs between the medical and economic fronts compel trade-offs between generations."

Ditto other countries (am thinking home Canada).

Emerging Threats and Opportunities

<https://researchcentre.army.gov.au/library/land-power-forum/emerging-threats-and-opportunities-6>



ETO 27 April 2020 - links to articles on: Lessons, The Information/Cyber Domain, Irregular Warfare and Terrorism, Major Power Competition and Defence innovation.

Royal Navy trials Teledyne Slocum gliders for ASW-assist Role

<https://www.navalnews.com/naval-news/2020/04/royal-navy-trials-teledyne-slocum-glidern-for-asw-assist-role/>



A Slocum glider underwater drone on a five-month mission is sending near real-time information on temperature, depth, salinity, currents, oxygen levels, turbulence, etc., information in real time TAC HM (tactical hydrography, meteorology and oceanography - Royal navy term) trained officers who then advise submarine hunting commanders.

Imagine flooding a prospective operating area with such sensor platforms.

The US Navy selects Fincantieri design for next-generation frigate

<https://www.defensenews.com/breaking-news/2020/04/30/the-us-navy-selects-fincantieri-design-for-next-generation-frigate/>



This will make some interesting comparisons with the Canadian Surface Combatant project.

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.



This Week

<https://mailchi.mp/rusi.org/24-april-this-week-168162?e=a539211a30>



Iran's Revolutionary Guard says it has launched a military satellite

https://www.c4isrnet.com/battlefield-tech/space/2020/04/22/irans-revolutionary-guard-says-it-has-launched-a-military-satellite/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2004.23.20&utm_term=Editorial%20-%20Early%20Bird%20Brief



UK defense plans could take major hit from coronavirus fallout

https://www.defensenews.com/global/europe/2020/04/23/uk-defense-plans-could-take-major-hit-from-coronavirus-fallout/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2004.24.20&utm_term=Editorial%20-%20Early%20Bird%20Brief



US announces new funding for Greenland in push for stronger Arctic presence

https://thehill.com/policy/international/494329-us-announces-new-funding-for-greenland-in-push-for-stronger-arctic?utm_source=&utm_medium=email&utm_campaign=29285&utm_term=Editorial%20-%20Early%20Bird%20Brief



A Deep-Diving Sub. A Deadly Fire. And Russia's Secret Undersea Agenda.

<https://www.nytimes.com/2020/04/20/world/europe/russian-submarine-fire-loscharik.html>



What If Kim Jong Un Dies?

https://www.defenseone.com/ideas/2020/04/what-if-kim-dies/164910/?oref=defense_one_breaking_nl



Navy's top brass reportedly want fired Theodore Roosevelt CO restored to command

https://www.navytimes.com/news/your-navy/2020/04/24/navys-top-brass-want-fired-theodore-roosevelt-co-restored-to-command/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2004.27.20&utm_term=Editorial%20-%20Early%20Bird%20Brief



Train likely belonging to Kim Jong Un spotted in satellite imagery amid health rumors

https://www.militarytimes.com/flashpoints/2020/04/26/train-likely-belonging-to-kim-jong-un-spotted-in-satellite-imagery-amid-health-rumors/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2004.27.20&utm_term=Editorial%20-%20Early%20Bird%20Brief



The Pentagon will have to live with limits on F-35's supersonic flights

<https://www.defensenews.com/air/2020/04/24/the-pentagon-will-have-to-live-with-limits-on-f-35s-supersonic-flights/>



Back hard-hit businesses? Experts press EU to instead boost defense spending

<https://www.defensenews.com/global/europe/2020/04/27/back-hard-hit-businesses-experts-press-eu-to-instead-boost-defense-spending/>



With Kim Jong Un Mysteriously Gone, China Is Likely to Make a Power Move

<https://foreignpolicy.com/2020/04/28/kim-jong-un-china-north-korea/>



Global Defense Spending Decline Expected As Nations Deal with Coronavirus

https://www.defenseone.com/politics/2020/04/global-defense-spending-decline-expected-nations-deal-coronavirus/164997/?oref=defenseone_today_nl



Five Ways the U.S. Military Will Change After the Pandemic

<https://warontherocks.com/2020/04/five-ways-the-u-s-military-will-change-after-the-pandemic/>



NATO checks its Cold War playbook in bid to fight pandemic

https://www.defensenews.com/global/europe/2020/04/28/nato-checks-its-cold-war-playbook-in-bid-to-fight-pandemic/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2004.29.20&utm_term=Editorial%20-%20Early%20Bird%20Brief



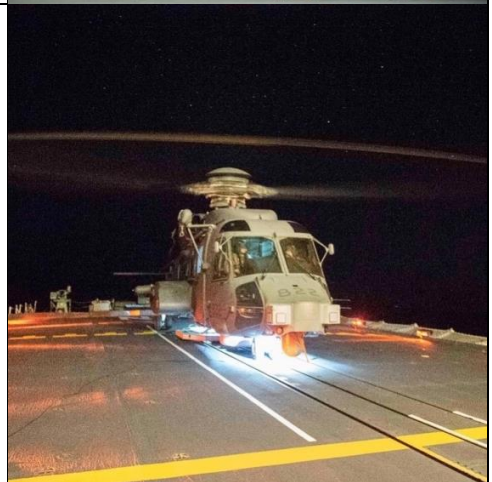
Forget Washington and Beijing. These Days Global Leadership Comes From Berlin.

https://foreignpolicy.com/2020/04/28/global-leadership-coronavirus-pandemic-germany-united-states-china/?utm_source=PostUp&utm_medium=email&utm_campaign=21200&utm_term=Flashpoints%20OC&?tpcc=21200



RCAF Cyclone helicopter missing, believed to have crashed into the sea off Greek coast

<https://ottawacitizen.com/news/national/defence-watch/rcaf-cyclone-helicopter-reported-missing-believed-to-have-crashed-into-the-sea-off-greek-coast/>



One person reportedly dead after Canadian military helicopter crashed

<https://nationalpost.com/news/canadian-military-helicopter-reported-missing-while-operating-in-mediterranean>



Russia slams US arguments for low-yield nukes

https://www.defensenews.com/smr/nuclear-arsenal/2020/04/29/russia-slams-us-arguments-for-low-yield-nukes/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2004.30.20&utm_term=Editorial%20-%20Early%20Bird%20Brief



Chinese navy puts two new nuclear submarines into service

https://www.scmp.com/news/china/military/article/3082195/chinese-navy-puts-two-new-nuclear-submarines-service?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2004.30.20&utm_term=Editorial%20-%20Early%20Bird%20Brief



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

#Arctic

America's Arctic Moment: Great Power Competition in the Arctic to 2050

<https://www.csis.org/analysis/americas-arctic-moment-great-power-competition-arctic-2050>

#artificial intelligence

Empowering U.. National Security with Artificial Intelligence Capabilities

thesimonscenter.org/featured-article-empowering-us-national-security-ai-capabilities/

#China

How China Sees the World

<https://www.defenseone.com/ideas/2020/04/how-china-sees-world/164870/>

Report to Congress on Chinese Naval Modernization

<https://news.usni.org/2020/04/28/report-to-congress-on-chinese-naval-modernization-2>

#environmental security

Scoping NATO's environmental security agenda

www.ndc.nato.int/news/news.php?icode=1426

#future war

Humanitarian Assistance and Future War

<https://www.ausa.org/publications/humanitarian-assistance-and-future-war>

#information operations

The Deepfake iPhone Apps Are Here

<https://www.lawfareblog.com/deepfake-iphone-apps-are-here>

#information technology

Zoom or Not? NSA Offers Guidance for Choosing a Videochat App

<https://www.defenseone.com/technology/2020/04/zoom-or-not-nsa-offers-guidance-choosing-videochat-app/164985/>

"National Security Agency guide to help federal workers choose commercial telework tools for 'safely using collaboration services' as necessitated by the coronavirus pandemic."

Guide itself at: Selecting and Safely Using Collaboration Services for Telework

<https://media.defense.gov/2020/Apr/24/2002288652/-1/-1/0/CSI-SELECTING-AND-USING-COLLABORATION-SERVICES-SECURELY-LONG-FINAL.PDF>

#leadership

Fighting Conventional Wisdom

<https://www.armyupress.army.mil/Journals/NCO-Journal/Archives/2019/March/conventional-wisdom/>

#logistics

Europe Was Just Getting Better at Moving Militaries

<https://www.defenseone.com/ideas/2020/04/europe-was-just-getting-better-moving-militaries/164827/>

The NATO Pipeline System: a forgotten defence asset

www.ndc.nato.int/news/news.php?icode=1433

#maritime operations

Sea Piracy in 2025: Piracy 2.0?

<https://www.maritime-executive.com/blog/sea-piracy-in-2025-piracy-2-0>

#media operations

Transparency of Information is Great. So is Transparency of Operations

<https://thecrisiscommunicator.com/2020/04/25/transparency-of-information-is-great-so-is-transparency-of-operations/>

#multi-domain operations

Commentary on “The US Army in Multi-Domain Operations 2028”

<https://publications.armywarcollege.edu/publication-detail.cfm?publicationID=3726>

#naval weapons

The Navy’s \$500 million effort to develop a futuristic railgun is going nowhere fast

<https://taskandpurpose.com/military-tech/navy-electromagnetic-railgun-funding>

#reading

The Sergeant Major of the Army Shares His Reading List

<https://fromthegreennotebook.com/2020/04/25/the-sergeant-major-of-the-army-shares-his-reading-list/>

#sea mines

Best counter-measures to sea mines

<https://navalinstitute.com.au/13353-2/>

#space

Space Threat Assessment 2020

<https://www.csis.org/analysis/space-threat-assessment-2020>

Other:

Canadian Military History Volume 29, Issue 1 (2020)

<https://scholars.wlu.ca/cmh/>

contents:

First Steps: Intelligence Analysis in Canada during the Second World War

The CIA on Canadian Defence Policy

Review of "From the Klondike to Berlin: The Yukon in World War I"

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