



Royal United Services Institute of Nova Scotia

Dispatches

17 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.

COVID-19

When going viral can be lethal: The need for reliable information in the wake of Covid-19
<https://mailchi.mp/ict4peace/ict4peace-corona-pandemic-the-gateway-to-global-surveillance-2662592?e=9d69232cee>

For non-intrusive tracking of Covid-19, smartphones have to be smarter
<https://www.theguardian.com/commentisfree/2020/apr/11/for-non-intrusive-tracking-of-covid-19-smartphones-have-to-be-smarter>

Check out the map.

Social media fuels wave of coronavirus misinformation as users focus on popularity, not accuracy
<https://www.preventionweb.net/news/view/71211>

Coronavirus on the darknet Pt 2: The scams keep on coming
<https://www.darkowl.com/blog-content/more-covid-scams-on-the-darknet>

Associated Press Stylebook Coronavirus Topical Guide
https://www.apstylebook.com/topical_most_recent

Russia in Review: Kremlin Tests Authoritarian Societal Control Measures during COVID-19 Crisis
<http://www.understandingwar.org/backgrounder/russia-review-kremlin-tests-authoritarian-societal-control-measures-during-covid-19>

Modern Epidemics: Why they occur and why we should worry!

Dr. Lee A. Norman, the State Surgeon of Kansas, presented a lecture entitled “Modern Epidemics: Why they occur and why we should worry!” on Monday, April 23, 2018.

thesimonscenter.org/tbt-200409/

NATO’s Response to the COVID-19 Pandemic

https://www.nato.int/nato_static_fl2014/assets/pdf/2020/4/pdf/200401-factsheet-COVID-19_en.pdf

also: NATO and COVID-19

<https://www.nato.int/cps/en/natohq/174592.htm>

Inventions Birthed by Necessity

<https://www.domesticpreparedness.com/resilience/inventions-birtherd-by-necessity/>

How COVID-19 will reshape global politics

<https://ipolitics.ca/2020/04/14/how-covid-19-will-reshape-global-politics/>

Op LASER

<https://www.flickr.com/photos/cfcombatcamera/albums/72157713793395512>

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. RUSI(NS) events may be cancelled at short notice – email RUSI(NS) if there is a question of an event occurring.

Under consideration for postponement: 3 June, Wednesday - Distinguished Speaker Brigadier-General Roch Pelletier, Commander 5th Canadian Division, titled "Commander 5th Canadian Division – Army Reserve Update." 1130-1330 hours. Royal Artillery Park Officers' Mess.

Recent Publications:

RUSI(NS) Presentation "A World Class Shipyard in our Midst" by Tom Tulluch, 10 Apr 20

<https://rusi-ns.ca/world-class-shipyard/>

RUSI(NS) Comments "Cruise Ship Fights Maritime Patrol Ship (and Wins)", 5 April 2020

<https://rusi-ns.ca/cruise-ship-fights-maritime-patrol-ship/>

"What About the Camp Followers – and their Children?" by RUSI(NS) member Ian MacVicar, Journal for Deradicalization No 22 Spring 2020

<http://journals.sfu.ca/jd/index.php/jd/issue/view/27/showToc>

RUSI(NS) Information Note "Naval Camouflage and its Application on HMC Ships Regina and Moncton: A Brief History" by Timothy Choi, 24 March 2020

<https://rusi-ns.ca/naval-camouflage-and-its-application-on-hmc-ships-regina-and-moncton-a-brief-history/>

The United Services Institute of Nanaimo and North Island (USINNI) Newsletter Vol 28 No 4 April 2020 is available on request to RUSINovaScotia@gmail.com.

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.

Employer support for @CanadianForces during this time of #COVID19 is greatly appreciated by #CAF & CAN🇨🇦
<https://www.todayville.com/business-not-as-usual/> "When you employ a reservist, you in turn, are serving your country."
(Business, not as usual)



David Pugliese @davidpugliese 9 Apr tweeted and RUSI(NS) retweeted: My latest article....Militaries around the world taking various roles in COVID-19 response
<https://ottawacitizen.com/news/national/defence-watch/militaries-around-the-world-taking-various-roles-in-covid-19-response/>



Presentation "A World Class Shipyard in our Midst" (#Halifax Shipyard & #Arctic&Offshore Patrol Ships) by Capt(N)(ret) Tom Tulloch to RUSI(NS)&guests 8Apr20 <https://rusi-ns.ca/world-class-shipyard/> Our first video-conference!



David Pugliese @davidpugliese 10 Apr tweeted: Mounties to enforce Quarantine Act, arrest offenders as a 'last resort' (<https://www.ctvnews.ca/health/coronavirus/mounties-to-enforce-quarantine-act-arrest-offenders-as-a-last-resort-1.4891548>)
RUSI(NS) retweeted: Quarantine Act <https://laws-lois.justice.gc.ca/eng/acts/q-1.1/page-6.html#docCont>



"#NATO helps expedite delivery of #COVID19 supplies between Allies" <https://shape.nato.int/news-archive/2020/nato-expedites-delivery-of-covid19-supplies-between-allies> CAN🇨🇦 hasn't called for aid from our allies but nice to know they'd be there for us. As we for them. Alliance is more than practicing combat operations together



Macdonald-Laurier Institute @MLInstitute Apr 9 tweeted and RUSI(NS) retweeted: Though the #COVID19 pandemic has justifiably captured the public's attention, we must remember that authoritarian regimes remain undeterred. Our newest paper warns that Canada should be particularly concerned about Russia's ambitions in the Arctic #cdnpoli (The Cold Reality Behind Russia's Charm Offensive: Why Canada needs a realistic Arctic Policy <https://www.macdonaldlaurier.ca/russias-arctic-strategy-requires-realistic-response-canada-new-mli-report-aurel-braun-stephen-j-blank/>)



"As supply concerns grow, Ottawa lays the groundwork for never-used Emergencies Act" <https://cbc.ca/news/SOMNIA-1.5526496>... Emergencies Act <https://laws-lois.justice.gc.ca/eng/acts/e-4.5/page-1.html>... Inquiry required within 60d of expiration/revocation of declaration - is now time to note observations for post-#COVID19 review



"24,000 troops on standby to help fight against COVID-19" <https://www.thestar.com/politics/federal/2020/04/11/24000-troops-on-standby-to-help-in-fight-against-covid-19.html> "For this crisis, expect the military assistance - if called on - to come largely in the form of logistics, planning and engineering." @CFOperations #CAF #OpLENTUS #OpLASER #COVID19



United Nations Office for the Coordination of Humanitarian Affairs @UNOCHA releases humanitarian icons to help #COVID19 response <https://www.unocha.org/story/ocha-releases-humanitarian-icons-help-covid-19-response> Could these be useful for info exchange between all levels CAN🇨🇦 gov't & non-gov't orgs for integrated response to pandemic?



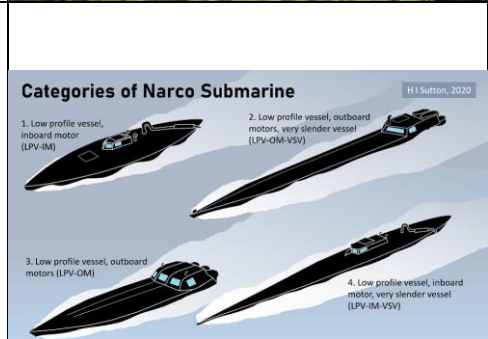
"Where military commanders are expecting to need large numbers of troops is to deal with spring floods & wildfires" <https://www.ctvnews.ca/health/coronavirus/this-is-a-war-military-fight-against-covid-19-will-be-anything-but-easy-1.4892130> @CanadianForces may be more help in #OpLENTUS assist to provincial responses to natural disasters than #OpLASER assist response to #COVID19 ('This is a war': Military fight against COVID-19 will be anything but easy)



"The Canadian Army Needs a Paradigm Shift"
<http://www.journal.forces.gc.ca/page19-eng.asp> CAN🇨🇦 "must re-assess what the @CanadianArmy structure ought to be, and, in particular, critically examine the role & organization of the Army's Primary Reserve."



Naval War College Naval & Maritime News @NavalNews 12 Apr tweeted: The 4 Types of #NarcoSubmarines Facing the Military. Forbes, April 12, 2020
<https://forbes.com/sites/hisutton/2020/04/12/the-4-types-of-narco-submarine-trying-to-escape-detection/#4610100a70c1>
 RUSI(NS) retweeted: Not true #submarines but semi-submersibles. True subs when employed will be challenging targets. #RCNavy & CAN🇨🇦 Coast Guard likely to face practicing theatre anti-submarine operations together. Need ensure that capability remains strong whether for defence or security purposes








Canadian Army @CanadianArmy 9 Apr tweeted and RUSI(NS) retweeted: Stay up to date with the latest information and resources for military and civilian members of the Canadian Army on our COVID-19 webpage. CANFORGENs, on-going measures, and latest info all available here. <http://army.gc.ca/en/exercises-operations/covid19.page> (COVID-19 Emergency Information)



#RCNavy was & needs remain a capable theatre anti-#submarine force
<https://www.defensenews.com/opinion/commentary/2020/04/13/us-navy-should-turn-to-unmanned-systems-to-track-and-destroy-submarines/> That now means major investments in air, surface & sub-surface #drones, integrated with manned subs, ships, fixed sensors & #RCAF aircraft. National Shipbuilding



<p>Strategy 2.0! (US Navy should turn to unmanned systems to track and destroy submarines)</p>	
<p>.@CanadianArmy Headquarters Shelter System https://canadianarmytoday.com/the-tents-situation/ Capable, flexible, scalable. Can serve as Role 2E hospital. Load in #RCAF #CC177. Smart systems like HQSS truly add to #CAF ops. Expect see in many domestic&expeditionary missions (The Tents Situation)</p>	
<p>Good idea to mobilize people to augment critical occupations during major emergency such as pandemic https://nationalpost.com/news/politics/canada-looking-to-prepare-surge-force-use-cellphone-data-to-contain-covid-19... Maybe a lesson of #COVID19 is utility of a reserve such as @CanadianForces have. Review of #CAF Reserve should be part of post-pandemic review (Canada looking to prepare 'surge' force, use cellphone data to contain COVID-19)</p>	
<p>Not all paid-off #RCNavy vessels are disposed & go to shipbreaker. Former auxiliary minesweeper ANTICOSTI was sold & refitted for civil use www.shipshots.blogspot.com/2020/04/so-long-anticosti.html ANT was offshore drill-rig supply vessel before commissioned into @RoyalCanNavy service (Ship Movements at St. John's and other ports in Newfoundland)</p>	
<p>#RCAF to procure aeromedical bio-containment evacuation system ABES to transport highly infectious disease patients on #CC130 & #CC177 a/c https://ottawacitizen.com/news/national/defence-watch/covid-19-prompts-purchase-of-new-medical-transportation-system-for-rcaf-aircraft/ Meanwhile @RCAF_ARC has interim capabilities to tpt patient w highly infectious disease in specialized isolation unit (COVID-19 prompts purchase of new medical transportation system for RCAF aircraft)</p>	
<p>Royal Canadian Navy @RoyalCanNavy 15 Apr tweeted: #WWII commemorative paint schemes provide a wonderful opportunity to honour the sailors of our past, embrace the sailors of the present and look ahead to our bright future. #BOA75 #WWII #RazzleDazzle @HMCS_NCSMRegina @MARPAF_FMARF (video:</p>	

<https://twitter.com/RoyalCanNavy/status/1250450395551465472>)

RUSI(NS) retweeted: RUSI(NS) Info Note "Naval Camouflage and its Application on HMC Ships REGINA and MONCTON: A Brief History" <https://rusi-ns.ca/naval-camouflage-and-its-application-on-hmc-ships-regina-and-moncton-a-brief-history/>

David Pugliese @davidpugliese 15 Apr tweeted: My latest article...Reservists to make up a quarter of the military's overall COVID-19 response

<https://ottawacitizen.com/news/national/defence-watch/reservists-to-make-up-a-quarter-of-the-militarys-overall-covid-19-response/>

RUSI(NS) retweeted: List of requests for assistance RFA from civil authorities to @NationalDefence for @CanadianForces help with response to #COVID19 pandemic at:

<https://www.canada.ca/en/department-national-defence/services/operations/military-operations/current-operations/lase.html> #OpLASER



Nadine Dorries @NadineDorries 15 Apr tweeted: Journalists should stop asking about an 'exit strategy.' There is only one way we can 'exit' full lockdown and that is when we have a vaccine. Until then, we need to find ways we can adapt society and strike a balance between the health of the nation and our economy . #COVID19

RUSI(NS) retweeted: There is no 'exit strategy' & there is no 'end state,' two military concepts which would be highly questionable to use for a pandemic. 'Post-pandemic normal' won't be like 'pre-pandemic normal', won't itself be constant & what it will look like is unknown #COVID19

Nadine Dorries is UK MP and Health Minister for Patient Safety, Suicide Prevention & MH.



Is @RCAF_ARC participating now that #NATO Rapid Air Mobility capability has been activated?

<https://aviationweek.com/defense-space/budget-policy-operations/airlift-initiative-propels-nato-covid-19-efforts>

Innovative "looking into whether it could be extended to other governmental or governmental-chartered aircraft." Apply to CAN gov't & civil a/c?

(Airlift Initiative Propels NATO COVID-19 Efforts)



Canadian Armed Forces Operations @CFOperations 15 Apr tweeted: The 2nd Canadian Ranger Patrol Group received a mandate today to assist with community support in the Basse-Côte-Nord region in Quebec. The Canadian Rangers are active members of their communities and they are proud to help as part of #OpLASER during #COVID19.

RUSI(NS) retweeted: Operation LASER #OpLASER: @CanadianForces response to worldwide pandemic situation <https://www.canada.ca/en/department-national-defence/services/operations/military-operations/current-operations/lase.html>



[operations/laser.html](#) Good article "Nothing like I've ever done before': COVID-19 poses new challenge for Canadian Rangers" <https://www.cbc.ca/news/SOMNIA-1.5531538> #CanadianRangers #CAF #COVID19

Posted on Facebook Royal United Services Institute NS with comments:

The US Army Wants Your Ventilator Ideas

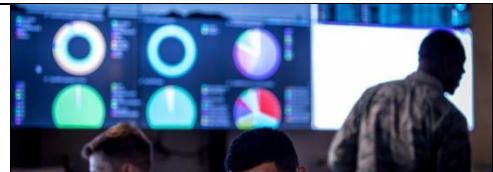
<https://www.defenseone.com/technology/2020/04/us-army-wants-your-ventilator-ideas/164503/>



Crowd sourcing innovation. Good approach. Services always say people are their best asset. This is a way to demonstrate that. And to make so many feel they can contribute to the fight.

Integrating Information Manoeuvre

<https://rusi.org/publication/conference-reports/integrating-information-manoevre>



The aim of the conference of which this is a summary report was to "discuss how the British Army is seeking to manage and exploit information on the future battlefield." The themes and points discussed, however, can be considered as more generally applicable, and so the report merits a broad read.

On Short Notice, NAVWAR Engineers Boosted Comm Links, Data Speed for Hospital Ships in COVID-19

<https://news.usni.org/2020/04/09/on-short-notice-navwar-engineers-boosted-comm-links-data-speed-for-hospital-ships-in-covid-19>



A pandemic lesson: the special communications requirements of hospital ships (any vessel permanently or impromptly taken into service to provide medical services) include an enterprise-supported system whereby electronic health records, patient transfers, blood and medical supply inventories are received, shared, tracked and transmitted quickly via robust connections and current software; and whereby coordination is improved among the ships' medical personnel and local civilian health providers.

The UK's Integrated Review: The Centrality of Resilience Concepts

<https://rusi.org/commentary/uks-integrated-review-centrality-resilience-concepts>



National resilience. Training of youth to form a reserve. Hmm, might these be thoughts for Canada to consider post-pandemic? First, this country needs to collect observations of the emergency (collect

now, not later when so many will be forgotten) and staff them into lessons. Maybe a royal commission needs be held. Then a Canadian integrated security review should be conducted. One where national resilience can be looked at carefully.

How much stuff is enough?

<https://logisticsinwar.com/2020/04/10/how-much-stuff-is-enough/>



"The obvious need to routinely exercise the logistics system in parallel with the exercising of deployable military capabilities is paramount in order to effectively influence (and inform) tactical, operational and strategic logistics outcomes to an extent where (future) operational commanders have a full appreciation of the extent of logistics issues."

Considering the extent to which logistics (manufacture and distribution) has been dominating the Canadian and foreign responses to the pandemic, yes, logistics should be routinely exercised. And planned. And equipped. At all levels but especially at the operational/provincial and strategic/national levels. There should be an integrated approach. The military is particularly good at logistics (though responsibility for logistics was moved from the Forces to the Public Safety Canada Operations Directorate as an Emergency Support Function in the Federal Emergency Response Plan; see: <https://www.publicsafety.gc.ca/cnt/rsrscs/pblctns/mrgnc-rspns-pln/index-en.aspx#a52>). And the military is excellent at planning exercises (much due to they have many more staff focused on it).

Logistics needs to be a lesson included in the post-pandemic review. Though observations should be captured now whilst the emergency is ongoing and observations are fresh in our minds. Logistics is and should be a major focus of any Royal commission or other review, a review which should, considering that the pandemic will gradually ease, be initiated soon before it is too late.

NATO Should Always Work From Home

<https://www.defenseone.com/ideas/2020/04/nato-should-always-work-home/164528/>



An "Enhanced Crisis Decision Making Initiative" to expedite decisions. A good lesson to be retained post-pandemic, not just by NATO but by any group (defence, security or safety) that needs to collaborate quickly whether continually or episodically.

Decades ago when some of us were engaged in this field we called it 'distributive collaborative planning (DCP).'

Pentagon May Relocate One of its 2 Navy Hospital Ships

<https://www.military.com/daily-news/2020/04/10/pentagon-may-relocate-one-of-its-2-navy-hospital-ships.html>



A utility of hospital ships - a ship can be re-located quickly (albeit within the constraints of availability of berthing and its proximity to where the ship is needed).

Army's Seattle Field Hospital Closes After 3 Days, Without Treating a Single Patient

<https://www.military.com/daily-news/2020/04/10/armys-seattle-field-hospital-closes-after-3-days-without-treating-single-patient.html>



There are going to be some interesting lessons coming out of the US military building hospitals as part of the pandemic response. Hopefully the lessons will be shared with allies like Canada. Whilst Canadian Forces health services and engineers don't seem to have been (at least, publicly and to date) engaged in planning for and establishing major medical facilities, that doesn't mean there may not be a future occasion so necessitating.

Elbit Systems Integrated Active Towed Array Sonar onboard its Seagull USV

<https://elbitsystems.com/pr-new/elbit-systems-integrated-active-towed-array-sonar-onboard-its-seagull-usv/>



Successful integration of a towed reelable active passive sonar with an unmanned surface vessel. The nature of fleets and fleet operations is undergoing huge change. Will Canada retain its position as a leader in anti-submarine warfare?

Philly Shipyard Awarded Contract for Two National Security Multi-Mission Vessels (NSMV)

<https://defpost.com/philly-shipyard-awarded-contract-for-two-national-security-multi-mission-vessels-nsmv/>



"The NSMV (National Security Multi-Mission Vessels) series is a new class of purpose-built ships to provide for the replacement of the current training ships at the State Maritime Academies (SMA). SMA ships are primarily used to provide cadets with required at-sea training on operational vessels..." "The vessels will also serve critical national security interests and other important roles, including missions in support of humanitarian assistance and disaster relief (HADR) throughout the world. To meet this requirement, the vessels will also have roll/on-roll/off and container storage capacity, as well as a helicopter landing pad."

Canada could do with one or more vessels like this. Indeed, Irving Shipbuilding has pitched such a vessel (see: "Why Canada Needs a Humanitarian Assistance and Disaster Relief Ship" https://www.navalreview.ca/wp-content/uploads/CNR_pdf_full/cnr_vol13_1.pdf).

Three Cheers for Paper Hearings

<https://www.lawfareblog.com/three-cheers-paper-hearings?fbclid=IwAR22e20FmMNDU39BkN8gyuwO7MnC hKIDDnHBC6fxt511EncYTKVgThfhqNg>



There are an increasing number of articles and other writings coming out about what it will be like in a post-pandemic world. Certainly not the normal that we knew when it started. One article, "Three Cheers for Paper Hearings" (<https://www.lawfareblog.com/three-cheers-paper-hearings>) was brought to the attention of one of our RUSI(NS) contacts knowledgeable of Parliamentary procedure with the questions: does Canada's Parliament have a similar procedure to the US Senate's 'paper hearings'? Would that be Hansard? That person advised that 'paper hearings' could also be referred to as a written hearings' in which a hearing would purely be based on document exchange/review (whether on paper or electronically) as opposed to a traditional oral (in-person) hearing. Further, Hansard is the name of the transcripts of live parliamentary debates in Canada and many commonwealth countries.

Cooperative Deployments: An Indispensable Tool for Preparing for the High-End Fight

<http://cimsec.org/cooperative-deployments-an-indispensable-tool-for-preparing-for-the-high-end-fight/43077>



The RCN has practiced this with the USN for a long time, even to the extent of integrating one of our frigates into a US carrier group for a deployment.

NATO defence ministers take stock of pandemic's economic toll on national budgets

<https://www.cbc.ca/news/politics/covid19-defence-budgets-1.5533587>



"...major defence equipment spending will be a tough sell with politicians and voters if Canada is still dealing with the pandemic's economic aftermath."

New York's Dunkirk moment

https://world.wng.org/2020/04/new_york_s_dunkirk_moment



Two thoughts arise from reading this article. One (a point that has been made by RUSI(NS) a number of times, and a lesson from naval submarine search and rescue exercises): stocks of oxygen and their replenishment by producers of oxygen need to be assured in a pandemic. Two (new to this commentator): the distribution system for oxygen in facilities needs to be assured (stress tested?), particularly when the infrastructure is old.

And good thing the aero-medical evacuation helicopters had the equipment to evacuate such patients.

Airlift Initiative Propels NATO COVID-19 Efforts






<https://aviationweek.com/defense-space/budget-policy-operations/airlift-initiative-propels-nato-covid-19-efforts>



"...looking into whether it could be extended to other governmental or governmental-chartered aircraft."

Reading this article led me to wonder whether Canadian civil aircraft could/would be employed by government to move patients and health supplies around Canada, especially to/from the North. Might give work to people and equipment otherwise grounded.

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>https://mailchi.mp/rusi.org/9-april-this-week-168018?e=a539211a30</p>	
<p>Russia Is Losing the Oil War—and the Middle East</p> <p>https://foreignpolicy.com/2020/04/09/russia-saudi-arabia-oil-price-war-middle-east/?utm_source=PostUp&utm_medium=email&utm_campaign=20796&utm_term=Flashpoints%20OC&tpcc=20796</p>	
<p>Liberals announce new 'improved' arms deal with Saudi Arabia, but say rights concerns remain</p> <p>https://nationalpost.com/news/saudi-arabian-canadian-arms-deal-improved-more-transparent-federal-government</p>	
<p>F-22s intercept Russian maritime recon aircraft near Alaska</p> <p>https://www.militarytimes.com/flashpoints/2020/04/09/f-22s-intercept-russian-maritime-recon-aircraft-near-alaska/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2004.10.20&utm_term=Editorial%20-%20Early%20Bird%20Brief</p>	

COVID-19: Most Canadian military personnel in Iraq mission being pulled out, coming home

<https://ottawacitizen.com/news/national/defence-watch/covid-19-most-canadian-military-personnel-in-iraq-mission-being-pulled-out-coming-home/wcm/05509d00-da35-4b84-8b46-8c6acc47ee86/>



Trump's Navy secretary debacle is about more than Modly's mistakes or Crozier's composure

<https://www.nbcnews.com/think/opinion/trump-s-navy-secretary-debacle-about-more-modly-s-mistakes-ncna1180806>



'This is a war': Military fight against COVID-19 will be anything but easy

<https://www.ctvnews.ca/health/coronavirus/this-is-a-war-military-fight-against-covid-19-will-be-anything-but-easy-1.4892130>



US State Dept. clears sales of Dutch weapons, South Korean F-35 support

https://www.defensenews.com/global/europe/2020/04/10/state-clears-sales-of-dutch-weapons-south-korean-f-35-support/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2004.13.20&utm_term=Editorial%20-%20Early%20Bird%20Brief



US Mobile Hospitals Help Fight Coronavirus in Africa

https://www.voanews.com/science-health/coronavirus-outbreak/us-mobile-hospitals-help-fight-coronavirus-africa?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2004.14.20&utm_term=Editorial%20-%20Early%20Bird%20Brief



The risk that Iraq might fall apart

https://www.economist.com/middle-east-and-africa/2020/04/11/the-risk-that-iraq-might-fall-apart?utm_campaign=the-economist-today&utm_medium=newsletter&utm_source=salesforce-marketing-cloud&utm_term=2020-04-13&utm_content=article-link-5



Canada, U.S. in talks to extend border closures amid pandemic, sources say

<https://www.theglobeandmail.com/politics/article-canada-us-in-talks-to-reopen-border-amid-pandemic-sources-say/>



Experts say Chinese government COVID-19 cover-up is a Chernobyl Moment

https://www.macdonaldlaurier.ca/experts-say-chinese-government-covid-19-cover-chernobyl-moment/?mc_cid=69ccccfacf&mc_eid=a8426c0175



Did the Coronavirus Escape from a Chinese Lab? Here's What the Pentagon Says

https://www.defenseone.com/threats/2020/04/coronavirus-escaped-chinese-bioweapon-heres-what-pentagon-says/164612/?oref=defenseone_today_nl



NATO defense ministers to weigh coronavirus fallout

https://www.defensenews.com/global/europe/2020/04/14/nato-defense-ministers-to-weigh-coronavirus-fallout/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2004.15.20&utm_term=Editorial%20-%20Early%20Bird%20Brief



Russian jet buzzes Navy P-8 Poseidon within 25 feet, intercept lasts 42 minutes

https://www.navytimes.com/2020/04/15/russian-jet-buzzes-navy-p-8-poseidon-within-25-feet-intercept-lasts-42-minutes/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2004.16.20&utm_term=Editorial%20-%20Early%20Bird%20Brief



China's global logistics chain makes strides, but projecting military power still a struggle

https://www.defensenews.com/global/asia-pacific/2020/04/15/chinas-global-logistics-chain-making-strides-but-projecting-military-power-still-a-struggle/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2004.16.20&utm_term=Editorial%20-%20Early%20Bird%20Brief



U.S. Accuses North Korea of Cyberattacks, a Sign That Deterrence Is Failing

https://www.nytimes.com/2020/04/15/world/asia/north-korea-cyber.html?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2004.16.20&utm_term=Editorial%20-%20Early%20Bird%20Brief



Commercial pilots laid off amid COVID-19 could get new jobs with Canadian military

<https://www.msn.com/en-ca/news/canada/commercial-pilots-laid-off-amid-covid-19-could-get-new-jobs-with-canadian-military/ar-BB12GDk2?ocid=se2>



'Nothing like I've ever done before': COVID-19 poses new challenge for Canadian Rangers

<https://www.cbc.ca/news/SOMNIA-1.5531538>



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

#A2R

Great Power Rivalry Is Also a War For Talent

<https://www.defenseone.com/ideas/2019/05/great-power-rivalry-also-war-talent/157103/>

Text YES to 1775 to Enlist ARMY

<https://thestrategybridge.org/the-bridge/2015/11/22/text-yes-to-1775-to-enlist-army>

#artificial intelligence

Waze for War: How the Army Can Integrate Artificial Intelligence

<https://warontherocks.com/2016/09/waze-for-war-how-the-army-can-integrate-artificial-intelligence/>

#China

The known unknowns of China's defence budget

<https://www.aspistrategist.org.au/the-known-unknowns-of-chinas-defence-budget/>

#China #climate change

The Slow-Motion Crisis: Climate Change and its Effect on U.S.-China Competition

<https://thestrategybridge.org/the-bridge/2020/4/14/the-slow-motion-crisis-climate-change-and-its-effect-on-us-china-competition>

#cyber ops

Study on the use of reserve forces in military cybersecurity

<https://css.ethz.ch/content/dam/ethz/special-interest/gess/cis/center-for-securities-studies/pdfs/Cyber-Reports-2020-03-military-cybersecurity.pdf>

#defence procurement

The Challenge of Change: Acquiring Technologies for Defence in the UK

<https://rusi.org/publication/occasional-papers/challenge-change-acquiring-technologies-defence-uk>

UK but there are considerations/lessons for Canada. Note the link to the report:

https://rusi.org/sites/default/files/op_202003_the_challenge_of_change_web.pdf

#defence financing

War and Public Finance, or How (Not) to Reform an Army

<https://chacr.org.uk/2020/04/07/war-and-public-finance-or-how-not-to-reform-an-army/>

#information operations

The Missing Domain of War: Achieving Cognitive Overmatch on Tomorrow's Battlefield

<https://mwi.usma.edu/missing-domain-war-achieving-cognitive-overmatch-tomorrows-battlefield/>

#learning

The Military Learning Gateway

<https://teachusmc.blogspot.com/>

"...blogs devoted to the promotion of the training, education, and, most of all, self-directed learning of people interested in the military arts and sciences."

#power competition

Forging the Tools of 21st Century Great Power Competition

https://css.ethz.ch/content/dam/ethz/special-interest/gess/cis/center-for-securities-studies/resources/docs/CSBA-GPC_Final_Report_Web-1.pdf

Note the chapter on political warfare.

#reading

Clausewitzian Deep Tracks: #Reviewing "Guide to Tactics, or the Theory of the Combat"

<https://thestrategybridge.org/the-bridge/2020/3/23/clausewitzian-deep-tracks-reviewing-guide-to-tactics-or-a-theory-of-combat>

Reading at: <https://oll.libertyfund.org/titles/clausewitz-on-war-vol-3>

Australian Army Reading List

<https://researchcentre.army.gov.au/library/army-reading-list>

#strategy

American Discontent: Unhappy Military Outcomes of the Post-Second World War Era

<https://thestrategybridge.org/the-bridge/2017/5/23/american-discontent-unhappy-military-outcomes-of-the-post-second-world-war-era>

Defining Defeat

<https://thestrategybridge.org/the-bridge/2020/4/13/defining-defeat>

#technology

The Utility of Voice Recognition within Defence

<https://wavellroom.com/2019/11/12/the-utility-of-voice-recognition-within-defence/>