



Royal United Services Institute of Nova Scotia

Dispatches

12 June 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.

Note: Some members are now working at home rather than at an office, and their email addresses have changed. To ensure you continue to receive *Dispatches* and other emails from RUSI(NS), please notify RUSINovaScotia@gmail.com of your new address. It is recommended that members with government addresses also provide a civil address as with some government email systems it is not evident when you retire and are no longer reading emails sent to your government address. And anyone who changes their civil address for whatever reason, please inform RUSI(NS).

COVID-19

The Canadian Armed Forces and COVID-19 – June 5 update

Colleagues and partners in defence,

Last week brought significant, national attention to the work of the Canadian Armed Forces in long-term care facilities in Ontario and Quebec. Many Canadians know that this type of work is not typical for CAF personnel. However, the high standards to which they are operating *is* what CAF members are known for. Close to 1700 members of our military — Regular and Reserve Force personnel — have seamlessly stepped up, and taken on new roles in unfamiliar environments, working alongside civilian counterparts. They have made all Canadians proud.

Thanks to the joint efforts of health care professionals and long-term care facility staff and the additional support provided by CAF personnel, some long-term care facilities have seen decreased

infection rates, and have begun to stabilize. Other facilities are still overwhelmed and have requested an extension of CAF support. In these facilities, our members continue to work closely with civilian healthcare staff so that they can maintain efforts.

We will continue to remain responsive to new challenges that emerge as a result of the pandemic. And our personnel will all be properly trained and properly equipped. We are currently in the process of developing a testing strategy for personnel that are employed in LTCFs, which will ensure every CAF member is tested prior to commencing work. As a result of our work in long-term care facilities, to date, 45 CAF personnel have tested positive for the virus. Every infected CAF member has received the required medical attention, and has followed the proper protocols to further prevent the spread. We are pleased that 27 members have recovered from the virus, and to date there have been no hospitalizations.

This week, two recruitment centres in New Brunswick reopened with new precautions in place to minimize the risk of COVID transmission among members of the public and members of our team. We have launched a new [business resumption webpage](#) that provides all defence team employees with the latest information available with regards to returning to work. There is no “one-size” fits all in this situation. Our conditions-based approach to business resumption will be adapted to the specific considerations and factors across the country. It is in that spirit that we are finding new ways to continue our traditions. For example, the [Navy Bike Ride](#) and [Canada Army Run](#) will both take a virtual format this year.

In non-Op LASER activity, on Monday, the Royal Canadian Air Force released a report on the Snowbirds accident investigation. Please note that the report is *only* a brief summary of the circumstances, and highlights areas of focus for the investigation, which remains underway.

On Wednesday, senior CAF leaders held a technical briefing on the Cyclone accident and recovery operation, where they announced that the operation has concluded. Together with the United States Navy, our team successfully located the helicopter, recovered some remains of our fallen, and retrieved multiple pieces of the aircraft which will assist in the ongoing flight safety investigation. We hope that the conclusion of this operation provides some closure to the families, friends, and colleagues of our fallen.

Finally, I would like to acknowledge a number of significant events that the Defence Team is proud to recognize this month. This week is National AccessAbility Week in Canada, a great opportunity to recognize and celebrate the valuable contributions Canadians with disabilities make to the Defence Team. Saturday marks the 75th anniversary of D-Day, and on Sunday we thank all of our Veterans, currently serving members and their families for their service on CAF Appreciation Day. Additionally, June is Pride Month in Canada and around the world. We’re grateful for the contributions and voices of LGBTQ2 Defence Team members as we strive toward being a fully inclusive Force.

Thank you for your continued collaboration.

Quinn Watson

Director, Outreach and Speechwriting

Assistant Deputy Minister (Public Affairs)

Department of National Defence | Government of Canada

Open-Source Intelligence in Pandemic Early Warning

<https://hillnotes.ca/2020/04/28/open-source-intelligence-in-pandemic-early-warning/>

Challenges Regarding Freedom of Expression and Access to Information During a Pandemic: International and Domestic Perspectives

<https://hillnotes.ca/2020/04/27/challenges-regarding-freedom-of-expression-and-access-to-information-during-a-pandemic-international-and-domestic-perspectives/>

Human Rights in Emergency Situations

Think right to demonstrate during a pandemic: <https://hillnotes.ca/2020/04/01/human-rights-in-emergency-situations/>

Responding to COVID-19 information pollution

<https://www.preventionweb.net/publications/view/72134>

Geopolitics, History, and the Post-COVID World

<https://www.geopoliticalmonitor.com/geopolitics-history-and-the-post-covid-world/>

Geopolitics, History, and the Post-COVID World

<https://www.geopoliticalmonitor.com/geopolitics-history-and-the-post-covid-world/>

Long-term funding shifts due to COVID

<https://defence.frontline.online/article/2020/1/14154-Long-term-funding-shifts-due-to-COVID>

Getting ahead of COVID defence curve

<https://defence.frontlin.online/article/2020/1/14095-Getting-ahead-of-the-COVID-19-defence-curve>

COVID-19: NATO in the Age of Pandemics

<https://css.ethz.ch/en/services/digital-library/publications/publication.html/f1dd1fa4-7b21-4b78-bef7-b756d7dde58d>

COVID-19 Pandemic Changing How NATO Thinks of Global Security

<https://news.usni.org/2020/06/09/covid-19-pandemic-changing-how-nato-thinks-of-global-security>

Tell Me How This Ends: The US Army in the Pandemic Era

https://ahec.armywarcollege.edu/documents/Tell_Me_How_This_Ends.pdf

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.



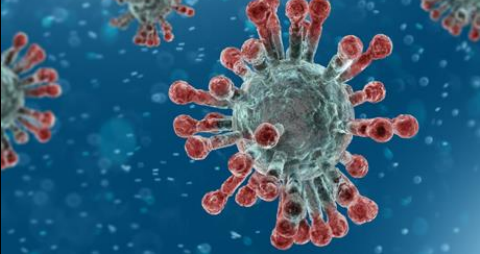
24 June, Wednesday – RUSI(NS) video-presentation by Brigadier-General Roch Pelletier, Commander 5th Canadian Division., titled "Commander 5th Canadian Division – Army Reserve Update." 1 pm **Halifax time**. To register, email RUSINovaScotia@gmail.com.

Recent Publications:

New: RUSI(NS) Paper "Investigating military aircraft crashes" by Tim Dunne, 2 June 2020
<https://rusi-ns.ca/military-aircraft-crashes/>

New: Naval Association of Canada Ottawa Branch presentation “The RCN’s Capital Equipment Priorities & Projects” by Commodore Chris Robinson, Director-General Naval Force Development, 1 June 2020
<https://nac-o.wildapricot.org/resources/OTTAWA%20BRANCH/Documents/Meetings/2020%2006%2001%20NAC%20Ottawa%20Speakers%20Series.pdf>

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>David Pugliese @davidpugliese 5 Jun tweeted: My latest article...COVID-19 fallout: Work begins again on navy's new Arctic ships but delivery date is uncertain (https://ottawacitizen.com/news/national/defence-watch/covid-19-fallout-work-begins-again-on-navys-new-arctic-ships-but-delivery-date-is-uncertain/) RUSI(NS) retweeted: Acceptance & commissioning ceremonies for future HMCS Harry DeWolf, 1st of the Harry DeWolf-class #Arctic&Offshore Patrol Vessels being built by @IrvingShipbuild for #RCNavy under Arctic&Offshore Patrol Ship project, may be quite close/same time, whenever that is</p>	
<p>Canadian Armed Forces @CanadianForces Jun 6 tweeted: Our Challenger aircraft have proven themselves time and again while supporting humanitarian missions and helping during #COVID19. We're replacing two old models with new ones so we can make sure the #RCAF remains able to help Canadians. https://canada.ca/en/department-national-defence/news/2020/06/canadian-armed-forces-replaces-two-30-year-old-challenger-aircraft.html RUSI(NS) retweeted: #RCAF #CC144 Challenger www.rcaf-arc.forces.gc.ca/en/aircraft-current/cc-144.page Utility flight service domestically & abroad: reconnaissance, liaison, special personnel/team deployment, medical evacuation (medevac), repatriation (repat), VIP transport</p>	
<p>Library of Parliament Research @LoPRResearch Jun 4 tweeted: Now available: Canadian and Global Military Responses to the #COVID19 Pandemic https://hillnotes.ca/2020/06/03/canadian-and-global-military-responses-to-the-covid-19-pandemic/ #COVID19SelectedInformation #ArmedForces RUSI(NS) retweeted: #OpLASER #CAF</p>	

#Submarines are nat'l strategic asset. Great deterrence in defence our coasts. Building capable sub service takes time, not easily replaced if let go
<https://www.timescolonist.com/opinion/op-ed/comment-it-s-time-for-us-to-start-thinking-about-new-subs-1.24147700>
 Replacement of #RCNavy Victoria-class (by crewed, drone or combo) should be discussed/planned starting now
 (Comment: It's time for us to start thinking about new subs)



Seaspan Shipyards @MoreThanShips 9 Jun tweeted and RUSI(NS) retweeted: Today we announced that we are teaming up with @HShipyards to build the Polar Icebreaker for the @CoastGuardCAN. This also brings #Ontario shipyards into the National Shipbuilding Strategy! Press release: <https://seaspan.com/seaspan-shipyards-heddle-shipyards-join-forces-bid-deliver-polar-icebreaker-canadian-coast-guard> #cdnpoli #cdnecon
 (Seaspan Shipyards and Heddle Shipyards join forces in bid to deliver the Polar Icebreaker to the Canadian Coast Guard)



Dave Mazur @WardenNAtlantic 9 Jun tweeted: Most people don't realize that our #cfbhalifax Glen Tugs also do coastal tows. Here is a nice picture that the Captain of Glenside, Josh Horner, sent us yesterday evening. You can just see #hmcskingston in the background which is being taken to Sydney Cape Breton for her DWP.
 RUSI(NS) retweeted: Glen-class tugs are capable harbour & coastal vessels, part of balanced #RCNavy
<https://www.canada.ca/en/public-services-procurement/news/2019/04/government-of-canada-awards-contract-for-acquisition-of-four-naval-large-tugs.html> To be replaced by 4 'Naval Large Tugs' designed by @RobertAllanLtd & built by Ocean Industries Inc



"Ottawa commits to helping Quebec care homes until September" <https://globalnews.ca/news/7052670/ottawa-commits-to-helping-quebec-care-homes-until-september/>
 @CanadianForces on #OpLASER to mid-Sep20. Lesson: need review strength of #CAF Health Services Group? Enough capability&Reserves to undertake civil missions home&abroad?



Posted on Facebook Royal United Services Institute NS with comments:

The UN and Peacekeeping in the UK's Integrated Review
<https://www.rusi.org/commentary/un-and-peacekeeping-uk>



Reflections for Canada as the country seeks a seat at the United Nations Security Council, and in view of the desirability of a Canadian integrated defence and security review post-pandemic (or, considering there may never be a true post-pandemic, sometime in the near future).

Navy Wants to Designate 'Safe Haven' Ports Where Ships Can Stop During Pandemic

<https://www.military.com/daily-news/2020/06/04/navy-wants-designate-safe-haven-ports-where-ships-can-stop-during-pandemic.html>



One can expect that Canadian Forces Bases Halifax and Esquimalt will not be amongst the US 'safe havens.' Too close to US domestic bases as it is.

Interesting to see the marine legal term safe haven being used in this context.

RCAF aircraft participate in East Coast intercept exercise

<https://www.skiesmag.com/news/rcf-aircraft-participate-east-coast-intercept-exercise/>



"...the exercise was designed to test U.S. homeland defence against a supersonic Rockwell B-1B Lancer heavy bomber representing an enemy intruder."

Interesting to read what appears to be integration of warships (fighter carrying and not) into the air defence.

Good old fashioned continental defence.

ASC looks to additive manufacturing for Collins repairs

<https://www.australiandefence.com.au/news/asc-looks-to-additive-manufacturing-for-collins-repairs>



"Cold spray is an additive manufacturing and repair method that uses a stream of supersonic gas to accelerate metal powder particles at a surface, building up a dense deposit."

Fleet Maintenance Facility Cape Scott, Canadian Forces Base Halifax, has an additive manufacturing capability that has been used successfully to repair parts (e.g., resurfacing the shaft of a capstan) of Canadian warships. Additive manufacturing is especially useful for repairing and making parts that are no longer made by the original manufacturer, or would take too long or cost too much, The standards

for submarine equipment is high, but noting that pieces and repair parts have already been built for aircraft, making submarine parts by additive manufacturing is a worthwhile endeavour.

When procuring equipment, is Canada routinely ensuring that information that would later allow additive manufacturing is being obtained from the manufacturer?

Warships mass in the Baltic Sea for a coronavirus-conscious battle drill

<https://www.defensenews.com/global/europe/2020/06/04/warships-mass-in-the-baltic-sea-for-a-coronavirus-conscious-battle-drill/>



"...BALTOPS 2020 will demonstrate our continuous commitment to regional security and reinforce the inherent flexibility of our combined naval force to operate together under any circumstances." Canada remains engaged with its NATO in a traditional area of operations to deter Russia.

COVID-19 What if China Wins?

<https://wavellroom.com/2020/06/04/covid-19-what-if-china-wins/>



"The (United Kingdom) Integrated Review is an opportunity to generate a Pacific strategy for the United Kingdom that endures well beyond COVID-19."

A Canadian integrated defence and security policy review, post-pandemic (to whatever extent there is a post), would be an opportunity and is necessary now to reconsider our grand strategy in the Pacific (and other regions).

Ghost Fleet Overlord Test Vessels Continue to Accelerate U.S. Navy's USV programs

<https://www.navalnews.com/naval-news/2020/06/ghost-fleet-overlord-test-vessels-continue-to-accelerate-u-s-navys-usv-programs/>

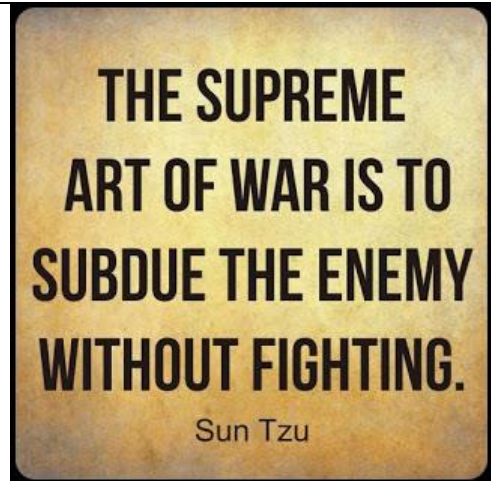


"Two existing commercial fast supply vessels were converted into USVs for Overlord testing."

Interesting approach. Of course, not at all new to convert commercial ships into warships. That, after all, is how navies were first formed (at least, in North West European experience) many centuries ago. So, it looks to be a viable approach for test and evaluation. Might it also be an approach to convert commercial vessels (COOP - craft of opportunity) into, at least, sensor-carrying vessels for naval purposes? Imagine a fleet of converted vessels, drones and crewed, carrying add-on (containerized?) acoustic devices, and networked and searching a wide area of ocean in search of submarines.

China's War with the Modern Free World

<http://www.eaglespeak.us/2020/05/chinas-war-with-modern-free-world.html>



"But Chinese communists believe that the greatest threat to the security of their party, the stability of their country, and China's return to its rightful place at the center of human civilization, is ideological. They are not fond of the military machines United States Pacific Command has arrayed against them, but what spooks them more than American weapons and soldiers are ideas — hostile ideas they believe America has embedded in the discourse and institutions of the existing global order."

No submarines on the horizon

<http://shipfax.blogspot.com/2020/06/no-submarines-on-horizon.html>



"Policy decisions are needed now on new subs in order to maintain consistent work flow for our naval shipbuilding industries."

Agreed, decisions are needed now, but most importantly in order to ensure there is no gap in the Royal Canadian Navy's submarine force. Rebuilding a submarine capability that has been let go would be much more expensive than otherwise. Submarines are too useful a combat and deterrent capability for a state, and certainly for a maritime state like Canada, not to have them. Not sure if 'consistent work flow for our shipbuilding industries' is the best main rationale for making decisions now on the submarine force future. Whilst there is (probably a lot of) work for Canadian industries in the maintenance of our subs, it is uncertain whether any Canadian yard can build submarines (though it is understood our yards have built pieces of hulls of modern US submarines).

It's Not the Plane, it's the Payload: A 21st-Century Solution for Armed Overwatch

<https://thestrategybridge.org/the-bridge/2020/6/8/its-not-the-plane-its-the-payload-a-21st-century-solution-for-armed-overwatch>



"Rather than attempting to acquire one or two new types of airframes, an alternative solution involves retrofitting strike capability to aircraft already in service through the development and acquisition of a

common launch system for air-launched loitering munitions that can easily be installed in several different types of aircraft for the armed overwatch role."

It's a bird, it's a plane, it's a...truck!

Small robotic mule, other unmanned ground systems on the horizon

[https://www.army.mil/article/236204/small_robotic_mule_oth
er_unmanned_ground_systems_on_the_horizon](https://www.army.mil/article/236204/small_robotic_mule_other_unmanned_ground_systems_on_the_horizon)

"The S-MET program is also leveraging modular mission payload capabilities, or MMPs, to expand its functions using a common chassis..."

"Requests for information have already been sent out to industry for two MMP capabilities: counter-unmanned aerial system and another for enhanced autonomy."

Containerization (of all sizes). Bolt-on, add-on, plug-in - modular packaging, whether for vehicles, ships or aircraft, is making for interesting developments in military equipment. More and more, vehicles, ships and aircraft are being looked at as 'trucks.' Drones can be, too.



Analysis: DND's spin on new VIP Challenger aircraft downplays VIP use

[https://ottawacitizen.com/news/national/defence-
watch/analysis-dnds-spin-on-new-vip-challenger-aircraft-
downplays-vip-use/wcm/96234cea-cf24-41ff-9252-
1395fb0ba6e6/](https://ottawacitizen.com/news/national/defence-watch/analysis-dnds-spin-on-new-vip-challenger-aircraft-downplays-vip-use/wcm/96234cea-cf24-41ff-9252-1395fb0ba6e6/)



From: "412 Transport Squadron" (www.rcaf-arc.forces.gc.ca/en/squadron/412-squadron.page):

"Though primarily known for VIP transport, the CC-144 Challenger is also capable of command-and-liaison and emergency medical evacuation roles in support of CAF operations."

Wrong Turn or Right Lane? Defending Forward against Cybercriminals Abroad

[https://isnblog.ethz.ch/cyber/wrong-turn-or-right-lane-
defending-forward-against-cybercriminals-abroad](https://isnblog.ethz.ch/cyber/wrong-turn-or-right-lane-defending-forward-against-cybercriminals-abroad)



Hmm, the use of a signals directorate's "offensive cyber capabilities to disrupt foreign cybercriminal infrastructure responsible for malicious cyber activities exploiting the COVID-19 pandemic."

"...only a handful (of EU states) maintain offensive cyber capabilities, and so far, all of them have shied away from even having the appearance of a political discussion on using offensive capabilities against cybercriminal infrastructure abroad."

Where does Canada stand on this?

Stop Training Police Like They're Joining the Military

<https://www.defenseone.com/ideas/2020/06/stop-training-police-theyre-joining-military/166071/>



Start with changing culture. Start changing culture with recruitment and initial training/socialization.

Coronavirus could be killed in aircraft interiors using heat, early results show

<https://www.flightglobal.com/fixed-wing/coronavirus-could-be-killed-in-aircraft-interiors-by-heating-them-preliminary-results-show/138780.article>



"The US Air Force Research Laboratory (AFRL) has shown that common ground heaters could be used to raise the temperature of aircraft interiors to levels sufficient to kill the coronavirus and other biological contaminants."

Cool! Now there'll be a run on space heaters...

Happy anniversary China: Philippines plans US\$26 million of military infrastructure on disputed South China Sea island Pag-Asa

<https://www.scmp.com/week-asia/politics/article/3088275/happy-anniversary-china-philippines-plans-us26-million-military>



The global 'Settlers of Catan game' continues. Or world (and serious) game of Go, if you will. "I see your reef and raise you two islands..." Construction wars (lawfare and economic warfare combined).

The Navy's New Battlefield Needs Small Nuclear-Powered Warships

<https://www.forbes.com/sites/craighooper/2020/06/09/the-next-new-battlefield-needs-small-nuclear-powered-warships/#a52e51b7516b>



Are small nuclear-powered ships that practical? For what size states? Would Canadian R&D into nuclear power/energy allow Canada to look at this?

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/5-june-this-week-168686?e=a539211a30>



Incels Are Radicalized and Dangerous. But Are They Terrorists?

<https://foreignpolicy.com/2020/06/02/incels-toronto-attack-terrorism-ideological-violence/>



Cancelled testimony by David Mulroney raises alarm over government's China policy

<https://www.macdonaldlaurier.ca/cancelled-testimony-david-mulroney-raises-alarm-governments-china-policy/>



Feds sign \$105-million deal with Bombardier for two new Challenger jets

<https://www.burnabynow.com/feds-sign-105-million-deal-with-bombardier-for-two-new-challenger-jets-1.24147914>



COVID-19 fallout: Work begins again on navy's new Arctic ships but delivery date is uncertain

<https://ottawacitizen.com/news/national/defence-watch/covid-19-fallout-work-begins-again-on-navys-new-arctic-ships-but-delivery-date-is-uncertain/wcm/476ea4d1-d384-4ffe-a72e-f61ab45ed28f/>



Ottawa's lifeline to Saudi LAV maker raises questions

<https://www.theglobeandmail.com/canada/article-ottawas-lifeline-to-saudi-lav-maker-raises-questions/>



Canada will pay the price for neglecting our foreign policy

<https://www.theglobeandmail.com/opinion/article-canada-will-pay-the-price-for-neglecting-our-foreign-policy/>



Cyclone chopper crash investigation focuses on 'aircraft system and human factors'

<https://www.cbc.ca/news/SOMNIA-1.5603172>



Canadian military exports to Saudi Arabia hit record high in 2019

<https://www.theglobeandmail.com/canada/article-canadian-military-exports-to-saudi-arabia-hit-record-high-in-2019/>



RCMP adding incels to terrorism awareness guide

<https://globalnews.ca/news/7021882/rcmp-incel-terrorism-guide/>



NATO chief seeks to forge deeper ties in China's neighborhood

<https://www.defensenews.com/global/europe/2020/06/08/nato-chief-seeks-to-forge-deeper-ties-in-chinas-neighborhood/>



US rejects China maritime claims in South China Sea

<https://www.militarytimes.com/news/your-military/2020/06/08/us-rejects-china-maritime-claims-in-south-china-sea/>



Taiwanese Fighters Drive Off Chinese Jets After Navy Transport Plane Flies Over The Island

<https://www.thedrive.com/the-war-zone/33964/taiwanese-fighters-drive-off-chinese-jets-after-navy-transport-plane-flies-over-the-island>



NORAD: F-22s intercept Russian bombers near Alaska

<https://www.airforcetimes.com/news/your-air-force/2020/06/10/norad-f-22s-intercept-russian-bombers-near-alaska/>



Germany wants to beef up its defense firms with pandemic relief funds

<https://www.defensenews.com/global/europe/2020/06/10/germany-wants-to-beef-up-its-defense-firms-with-pandemic-relief-funds/>



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

#Arctic

Developing Security in a White Water World: Preparing for the Arctic

cimsec.org/developing-security-in-a-white-water-world-preparing-for-the-arctic/44183

#Canadian Army Saving the Canadian Army Reserve

<https://c2cjournal.ca/2020/01/saving-the-canadian-army-reserve/>

#clandestine immigration

TT Club Warns Of Persistent ‘Stowaway’ Risk

<https://www.marineinsight.com/shipping-news/tt-club-warns-of-persistent-stowaway-risk/>

#cyber operations

Spare Me Your Cyber-Age Technobabble

<https://rusi.org/publication/rusi-defence-systems/spare-me-your-cyber-age-technobabble>

#drones

The future of autonomous shipping

<https://techaeris.com/2020/06/06/the-future-of-autonomous-shipping/>

#futurecasting (or #presentcasting?)

Facing the Age of Chaos

<https://medium.com/@cascio/facing-the-age-of-chaos-b00687b1f51d>

#information operations

Does Tomorrow Ever Truly Die?

<https://cimsec.org/does-tomorrow-ever-truly-die/44223>

#ISR

Report to Congress on Intelligence, Surveillance and Reconnaissance for Great Power Competition

<https://news.usni.org/2020/06/07/report-to-congress-on-intelligence-surveillance-and-reconnaissance-for-great-power-competition>

#ITSEC

Securing Future 5G-Networks

https://css.ethz.ch/content/dam/ethz/special-interest/gess/cis/center-for-securities-studies/pdfs/PP8-4_2020-EN.pdf

Lessons from COVID-19 for 5G and Internet Security
https://www.cgai.ca/lessons_from_covid19_for_5g_and_internet_security

#leadership

So You Need a Leader Professional Development Program?

<https://fromthegreennotebook.com/2020/06/11/so-you-need-a-leader-professional-development-program/>

#logistics

Strategic risks and the vulnerability of the munitions supply-chain

<https://logisticsinwar.com/2020/06/10/strategic-risks-and-the-vulnerability-of-the-munitions-supply-chain/>

#naval warfare

Sink 'Em All: Envisioning Marine Corps Maritime Interdiction
cimsec.org/sink-em-all-envisioning-marine-corps-maritime-interdiction/44130

Seeing the World Through Points
<http://cimsec.org/seeing-the-world-through-points/44114>

Beyond “Conventional Wisdom”: Evaluating the PLA’s South China Sea Bases in Operational Context
<https://warontherocks.com/2020/03/beyond-conventional-wisdom-evaluating-the-plas-south-china-sea-bases-in-operational-context/>

#peace operations

Trends in Multilateral Peace Operations, 2019

<https://css.ethz.ch/content/specialinterest/gess/cis/center-for-securities-studies/en/services/digital-library/publications/publication.html/59f7735b-cc7c-4091-a936-2a13adca95d9>

#professional military education

On the Path to Intellectual Overmatch

<https://warontherocks.com/2020/06/on-the-path-to-intellectual-overmatch/>

#policing

George Floyd death draws scrutiny on police use of force. What’s Canada’s protocol?
<https://globalnews.ca/news/7020523/george-floyd-police-use-force-canada/>

The protocol is described in this article.

Library of Parliament Research "The Right to Be Left Alone and Police Powers in Canada: Is an Update Needed?"

<https://hillnotes.ca/2020/05/07/the-right-to-be-left-alone-and-police-powers-in-canada-is-an-update-needed/>

#RCMP #CBSA

Legislative Summary of Bill C-3: An Act to amend the Royal Canadian Mounted Police Act and the Canada Border Services Agency Act

Strengthening Civilian Review of Royal Canadian Mounted Police and Canada Border Services Agency Activities:

https://lop.parl.ca/sites/PublicWebsite/default/en_CA/ResearchPublications/LegislativeSummaries/431C3E

#space

Shaping Britain's Space Programme: A Renewed Focus

<https://ukdefencejournal.org.uk/shaping-britains-space-programme-a-renewed-focus/>

Other:

Your Navy Today - May 2020

<http://www.navy-marine.forces.gc.ca/en/news-ynt/2020/05-your-navy-today.page>

Government of Canada Department of National Defence "**Status report on transformational and major Crown projects**" (information accurate and reliable as of 19 November 2019)

<https://www.canada.ca/en/department-national-defence/corporate/reports-publications/departmental-plans/departmental-plan-2020-21-index/supplementary-information-index/report-crown-projects.html>

Book review: **Relentless Struggle**: Saving the Army Reserve 1995-2019

www.journal.forces.gc.ca/page74-eng.asp

Strategic Trends 2020 - Key Developments in Global Affairs

"Strategic Trends is an annual publication of the Center for Security Studies at ETH Zurich. It offers concise analyses of major developments in world affairs, with a focus on international security."

This edition is very China-focused.