



Royal United Services Institute of Nova Scotia

Dispatches

29 November 2019

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

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

If you are not a routine recipient of *Dispatches* but wish to be so, email the Institute's Chief Information Officer (CIO) at RUSINovaScotia@gmail.com. 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.

Events:

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

5 May 2020 - commemoration of the 75th Anniversary of the Liberation of the Netherlands. Contact Peter Stoffer or email RUSINovaScotia@gmail.com for information

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.

Recent Publications:

The Military Institute of Windsor, Vol XXXVII, number 11, December 2019 is available on request by contacting RUSINovaScotia@gmail.com.

Defense One eBooks and Special Reports

<https://link.defenseone.com/view/56c715c86e4adc434d8b5279b54pf.6km/ca847bc5>

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.

.@CanadianForces @RCAF_ARC likely facing delay in delivery of new search&rescue #SAR airplane #CC295
<https://nationalpost.com/pmnn/news-pmnn/canada-news-pmnn/military-facing-likely-delay-in-delivery-of-new-search-and-rescue-plane>
<https://nationalpost.com/pmnn/news-pmnn/canada-news-pmnn/military-facing-likely-delay-in-delivery-of-new-search-and-rescue-plane> Dispute over manuals content. Not surprising when delivery of major defence project. Hopefully minimal delay
(Military facing likely delay in delivery of new search-and-rescue plane)



STRATCOMCOE @STRATCOMCOE 25 Nov tweeted and RUSI(NS) retweeted: How are #deepfakes created, used, and detected? Read about it here: (Deep Fakes And National Security – Analysis
<https://www.eurasiareview.com/25112019-deep-fakes-and-national-security-analysis/>
and <https://fas.org/sgp/crs/natsec/IF11333.pdf>)

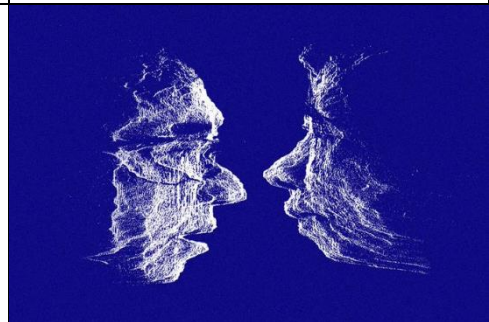


Vice-Admiral Haydn Edmundson @Comd_MPC 25 Nov tweeted: Did you know: the Government of #Ontario has announced three new initiatives this month to support #CAF members: a hotline for relocating members, free access to provincial parks, and support for those looking to transition to civilian life.
(https://twitter.com/Comd_MPC/status/1198999403060715521)



RUSI(NS) retweeted: Good initiatives by #Ontario. What will other provinces & territories do similar? Transition particularly important matter. Transition not just job training but medical support

ASPI @ASPI_org 25 Nov tweeted and RUSI(NS) retweeted: 'Our best hope in fighting against deepfakes may be Facebook, Twitter and Google. They have the power to detect and stop deepfakes across huge networks' says @ASPI_ICPC's @elisethoma5 | Read her full @WiredUK piece on fighting back against 'deepfakes'
(In the battle against deepfakes, AI is being pitted against AI
<https://www.wired.co.uk/article/deepfakes-ai>)



Posted on Facebook Royal United Services Institute NS with comments:

Fighting piracy in the Gulf of Guinea needs a radical rethink

<https://www.theafricareport.com/20336/fighting-piracy-in-the-gulf-of-guinea-needs-a-radical-rethink/>

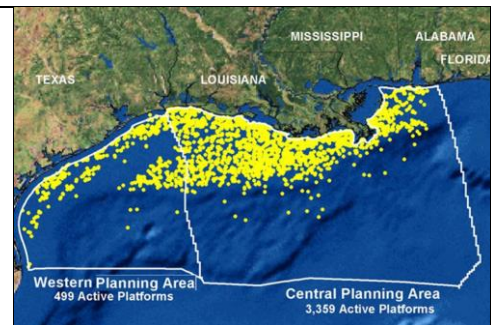


"...international actors...often put a strong emphasis on combating piracy and provide financial or technical assistance to partners in West and Central Africa. But they rarely focus on illegal fishing, fuel smuggling or illegal migration. All these activities have been linked to attacks against merchant ships or fishing vessels."

Security at sea is multi-faceted. Response (e.g., training assistance deployments from out-of-region states such as Canada) cannot focus on just one such as anti-terrorism or anti-drug. Naval commanders and staffs have to look at, and take into account when planning, many linked activities.

Jones Act Oil Rig Legislation Is Latest Controversy For Struggling Commercial Shipbuilders

<https://www.forbes.com/sites/lorenthompson/2019/11/22/jones-act-oil-rig-legislation-is-latest-controversy-for-struggling-commercial-shipbuilders/#23d609a64aa8>



The reason for the Jones Act is "to prevent a future shortage of domestic shipping from impeding U.S. mobilization efforts..." If the US has problems deploying its forces overseas in a major conflict, so too certainly will Canada. One kinda wonders how shipping availability is factored into Canadian mobilization and deployment plans. Hopefully planners are watching what happens in the US with the Jones Act.

Marines At Sea Leaning on 3D Print-to-Order Parts to Stay in the Fight

<https://news.usni.org/2019/11/25/marines-at-sea-leaning-on-3d-print-to-order-parts-to-stay-in-the-fight>



(Acronym alert!) TACFAB = Tactical Fabrication 3D printing kit to build replacement or repair components, to enhance logistics self-sufficiency.

Hmm, gotta ensure deploy with print files for as many components as possible. Now there's a big task for defence procurement and logistics staffs.

NORTHCOM commander says US needs Arctic early warning system

<https://www.militarytimes.com/flashpoints/2019/11/26/northcom-commander-says-us-needs-arctic-early-warning-system/>



Good points made by the commander with Canadian consequences.

From RUSI(NS) colleagues:
Polar Over-the-Horizon Radar

<https://buyandselect.gc.ca/procurement-data/tender-notice/PW-18-00822129>

A Canadian effort in the Arctic. "The contract work supports the All Domain Situational Awareness (ADSA) Science & Technology (S&T) Program of DRDC in its study of the feasibility of using sky-wave over-the-horizon radar technology in the polar cap region of the Canadian Arctic for detecting air targets, referred to as polar over-the-horizon radar."

An Array of Blunders - The Northern Watch Technology Demonstration Project

<http://northernmaritime.ca/wp-content/uploads/2018/05/An-Array-of-Blunders.pdf>

"This paper uses de-classified material to piece together the history of this secretive and important project, which has largely faded from the national consciousness."

In gesture to Trump, US allies close to deal to pay more for NATO running costs

<https://www.reuters.com/article/us-nato-summit-defence-budget/in-gesture-to-trump-us-allies-close-to-deal-to-pay-more-for-nato-running-costs-idUSKBN1Y01WY>



"Canada has said its support for the funding agreement should not set a precedent for other international organizations, the diplomats said." Hmm, whilst a not unreasonable caveat, for Canada to emphasize this leaves an unfavorable impression that we were reluctant to pay out in the first place.

And will there be an attempt by the Canadian government to tout this relatively minor contribution as a counter to our failure otherwise to meet the 2% target?

RCMP issue statement addressing human trafficking concerns in Kings County

<https://www.halifaxtoday.ca/police-beat/rcmp-issue-statement-addressing-human-trafficking-concerns-in-kings-county-1885312>



RCMP briefed RUSI(NS) and guests this spring on human trafficking. Quite an eye opener. It is an issue for Nova Scotia and the Maritimes region.

GAO Report: Navy Risks Under-Estimating Time, Cost Of Shipyard Upgrades Plan

<https://news.usni.org/2019/11/26/gao-report-navy-risks-under-estimating-time-coast-of-shipyard-upgrades-plan>



Shipyards are an important aspect of an industrially-developed state. Naval shipyards (dockyards) even more so. Her Majesty's Canadian Dockyards Halifax and Esquimalt empower the Royal Canadian Navy to ensure high readiness, thus providing more options to the Government and people of Canada for the defence and security of this country. The Dockyards need to be considered and preserved as national strategic assets. The civil shipbuilding industry needs to be nurtured and be a focus of government attention. Canada's National Shipbuilding Strategy (NSS) is a good start. Is it time to widen deliberations about the future of the yards and the role of the NSS in supporting them?

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/thisweek-22-november-167145?e=a539211a30>



NORAD's struggle for relevance on its 60th birthday

<https://theconversation.com/norads-struggle-for-relevance-on-its-60th-birthday-94070>



Departmental review finds no 'credible' link between Saudi arms exports and human rights abuse

<https://www.cbc.ca/news/politics/powerandpolitics/canadian-review-arms-exports-saudi-arabia-1.5368333>



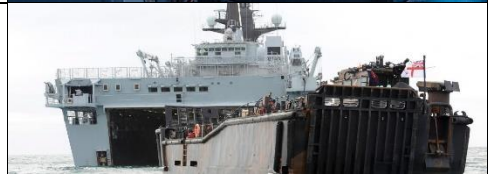
The US Navy sent this officer to sail the Arctic with the Canadians — here's what he learned about this unforgiving environment

<https://www.businessinsider.com/us-navy-is-learning-about-arctic-operations-from-the-canadians-2019-11>



Requirements for the UK's Amphibious Forces in the Future Operating Environment

<https://rusi.org/publication/occasional-papers/requirements-uks-amphibious-forces-future-operating-environment>



South Korea pulls intelligence deal with Japan back from the brink

https://www.reuters.com/article/us-southkorea-japan/south-korea-suspends-move-to-end-intelligence-pact-with-japan-idUSKBN1XW087?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2011.22.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



Putin hands awards to widows of men killed in mysterious military test

https://www.reuters.com/article/us-russia-blast-putin/putin-hands-awards-to-widows-of-men-killed-in-mysterious-military-test-idUSKBN1XW15Y?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2011.22.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



Xi Jinping Knows Who His Enemies Are

https://foreignpolicy.com/2019/11/21/xi-jinping-china-communist-party-francois-bougon/?utm_source=PostUp&utm_medium=email&utm_campaign=18240&utm_term=Flashpoints%20OC



In Future Wars, the U.S. Military Will Have Nowhere to Hide

https://foreignpolicy.com/2019/11/20/russia-china-increasingly-able-attack-united-states-bases-networks-war/?utm_source=PostUp&utm_medium=email&utm_campaign=18240&utm_term=Flashpoints%20OC



Experts dispute Canada's claim of no link between Saudi arms sales and human rights abuses

<https://globalnews.ca/news/6206110/canada-saudi-arms-sales-human-rights-abuses/>



Major defence procurements and Phoenix pay fiasco will keep rookie MP busy

<https://ottawacitizen.com/news/national/defence-watch/major-defence-procurements-and-phoenix-pay-fiasco-will-keep-rookie-mp-busy>



Canada warned of fallout on Five Eyes relationship if Huawei allowed on 5G

<https://www.cbc.ca/news/somni-1.5370992>



Canada facing renewed pressure from U.S. to meet NATO defence spending benchmark

<https://www.cbc.ca/news/SOMNIA-1.5371352>



Don't Demand Protection Money from Japan. Do Ask Tokyo to Rethink Its Defenses

https://www.defenseone.com/ideas/2019/11/dont-demand-protection-money-japan-do-ask-tokyo-rethink-its-defenses/161497/?oref=defenseone_today_nl



America-Japan security alliance 'a problem' in talks over Kurils, says Russian foreign minister

https://www.militarytimes.com/flashpoints/2019/11/24/america-japan-security-alliance-a-problem-in-talks-over-kurils-says-russian-foreign-minister/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2011.25.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



French minister criticizes US for 'unanswered' Iran attacks

https://www.navytimes.com/news/your-navy/2019/11/24/french-minister-criticizes-us-for-unanswered-iran-attacks/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2011.25.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



Turkey to test Russian S-400 systems despite U.S. pressure: media

https://www.reuters.com/article/us-turkey-security-usa/turkey-to-test-russian-s-400-systems-despite-u-s-pressure-media-idUSKBN1XZ0U1?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2011.25.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



Fowler: Judicial review brought by the Director of Military Prosecutions could have been avoided

<https://ottawacitizen.com/news/national/defence-watch/fowler-judicial-review-brought-by-the-director-of-military-prosecutions-could-have-been-avoided>



Arctic survival kit for Air Force F-35 pilots surprises developers during way-below-zero trial

https://www.stripes.com/news/us/arctic-survival-kit-for-air-force-f-35-pilots-surprises-developers-during-way-below-zero-trial-1.607944?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2011.21.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



Urban Blind Spots: Gaps in Joint Force Combat Readiness

<https://www.belfercenter.org/publication/urban-blind-spots-gaps-joint-force-combat-readiness>



Russia's AI Quest is State-Driven — Even More than China's. Can It Work?

https://www.defenseone.com/ideas/2019/11/russias-ai-quest-state-driven-even-more-chinas-can-it-work/161519/?oref=defenseone_today_nl



Russia hopes to agree new S-400 missile deal with Turkey next year

https://www.reuters.com/article/us-russia-turkey-missiles/russia-hopes-to-agree-new-s-400-missile-deal-with-turkey-next-year-idUSKBN1Y00GH?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2011.26.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



The US Navy Needs Offensive Undersea Drones

https://www.defenseone.com/ideas/2019/11/us-navy-needs-offensive-undersea-drones/161548/?oref=defense_one_breaking_nl



Russia's Military Is Writing an Armed-Robot Playbook

https://www.defenseone.com/ideas/2019/11/russias-military-writing-armed-robot-playbook/161549/?oref=defense_one_breaking_nl



Canadian Forces Snowbirds aircraft to return to Canada - planes were grounded in the U.S. after crash

<https://ottawacitizen.com/news/national/defence-watch/canadian-forces-snowbirds-aircraft-to-return-to-canada-planes-were-grounded-in-the-u-s-after-crash>



China's Largest Telecom May Sue You For Criticizing It

https://www.defenseone.com/politics/2019/11/chinas-largest-telecom-may-sue-you-criticizing-it/161564/?oref=defenseone_today_nl



South Korea fires warning shots toward North Korean merchant vessel

https://www.reuters.com/article/us-northkorea-southkorea/south-korea-fires-warning-shots-toward-north-korean-merchant-vessel-idUSKBN1Y10PM?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2011.27.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



Brain-dead at 70? NATO set to ask 'wise persons' for help

https://www.reuters.com/article/us-nato-summit/brain-dead-at-70-nato-set-to-ask-wise-persons-for-help-idUSKBN1Y10HK?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2011.27.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



Hong Kongers Break Beijing's Delusions of Victory

https://foreignpolicy.com/2019/11/25/hong-kong-election-beijing-media-delusions-victory/?utm_source=PostUp&utm_medium=email&utm_campaign=18494&utm_term=Flashpoints%20OC



Poland's State of the Media

https://foreignpolicy.com/2019/11/25/poland-public-television-law-and-justice-pis-mouthpiece/?utm_source=PostUp&utm_medium=email&utm_campaign=18494&utm_term=Flashpoints%20OC



Boeing, NATO to announce \$1B contract for AWACS upgrades

https://www.upi.com/Defense-News/2019/11/26/Boeing-NATO-to-announce-1B-contract-for-AWACS-upgrades/9951574791255/?sl=4&utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2011.27.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



US wants Denmark to buy more fighter jets

http://cphpost.dk/news/us-wants-denmark-to-buy-more-fighter-jets.html?utm_source=Morning+Brief&utm_campaign=923368b439-EMAIL_CAMPAIGN_2016_12_02_COPY_711&utm_medium=email&utm_term=0_a43c5d924a-923368b439-206954637



Exclusive: Turkey holds up NATO military plans over Syria dispute – sources

<https://uk.reuters.com/article/uk-nato-summit-turkey-exclusive/exclusive-turkey-holds-up-nato-military-plans-over-syria-dispute-sources-idUKKBN1Y01WC>



At the global security gathering in Halifax: Up the down escalator

https://www.macleans.ca/politics/ottawa/at-the-global-security-gathering-in-halifax-up-the-down-escalator/?utm_source=Morning+Brief&utm_campaign=ca2f971212-EMAIL_CAMPAIGN_2016_12_02_COPY_710&utm_medium=email&utm_term=0_a43c5d924a-ca2f971212-206954637



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

#artificial intelligence

Report to Congress on Artificial Intelligence and National Security

<https://news.usni.org/2019/11/22/report-to-congress-on-artificial-intelligence-and-national-security>

#leadership

12 Principles of modern military leadership: Part 1

<https://www.armyupress.army.mil/Journals/NCO-Journal/Archives/2018/May/12-Principles-Part1/>

#NATO

What Macron Got Right About NATO, Europe, and the Transatlantic Relationship

<https://www.lawfareblog.com/what-macron-got-right-about-nato-europe-and-transatlantic-relationship>

#Second World War #Canadian Army

Project '44 The Road to Liberation

<https://www.project44.ca/>

"From our web map, you can explore all the units of the First Canadian Army and read their war diaries across the 87 days of the Battle of Normandy."

Has been updated to include more units.

#urban warfare

Multinational partners find New York ideal to test urban warfare technologies

https://www.army.mil/article/230259/multinational_partners_find_new_york_ideal_to_test_urban_warfare_technologies

#Veterans

The notification of the certification of the Class Action lawsuit against the Government over pension wait-times

<https://kmlaw.ca/wp-content/uploads/2019/11/ReasonsofOReillyJ.reCertificationdatedNovember42019T97217.pdf?sfn=mo>

Other:

Ontario support to CAF members

Linked from CMP's tweet above, retweeted by RUSI(NS), are:

Ontario Supporting Military Heroes and Their Families

<https://news.ontario.ca/mgs/en/2019/11/ontario-supporting-military-heroes-and-their-families.html>

and

Ontario Providing Veterans and Active Members of the Canadian Armed Forces Free Access to Ontario Parks

<https://news.ontario.ca/ene/en/2019/11/ontario-providing-veterans-and-active-members-of-the-canadian-armed-forces-free-access-to-ontario-pa.html>

and

Ontario Helping Veterans and their Families Start New Careers

<https://news.ontario.ca/mol/en/2019/11/ontario-helping-veterans-and-their-families-start-new-careers.html>

And for Seamless Canada:

National Defence advances the Seamless Canada initiative with provinces and territories

<https://www.canada.ca/en/department-national-defence/news/2018/12/national-defence-advances-the-seamless-canada-initiative-with-provinces-and-territories.html>

Here are a few similar items for awareness. These are provincial initiatives, not CAF/DND.

The Province of Ontario is:

- a. offering fishing licenses and entry to Ontario Parks for current and former Canadian Armed Forces members, at no cost;
- b. maintaining a dedicated website with information to help military families settle in the province; and
- c. consulting with military families, stakeholders, and other jurisdictions to better understand the resources needed and to identify the problems faced when moving to Ontario. These consultations will help set up a hotline to provide resources and information military families are looking for.

The Province of New Brunswick provided additional funding for child care spaces in the province.

The Province of Alberta has formally appointed a military special envoy for the province and has set up a website with centralized information pertinent to military families.

The Province of Manitoba has made it easier for military families to find supports and services through an updated military portal on the Manitoba government's website. Manitoba has also appointed a special envoy for military affairs.

China Defence Universities Tracker

Interesting site.

Charlie Lyons Jones @cnlyonsjones 25 Nov tweeted: Last night @ASPI_org launched the China

Defence Universities Tracker. Led by @alexjoske, the Tracker was produced by a team of analysts including Audrey Fritz, @EBKania, and @He_Shumei as well as fact-checked by @emily_sw1 and others. (Thread) <https://unitracker.aspi.org.au/>
(<https://twitter.com/cnlyonsjones/status/1199088405642002434>)