



Royal United Services Institute of Nova Scotia

Dispatches

14 February 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 Renewal. With early 2020 it is time for membership renewal. A notification email was sent to RUSI(NS) members and prospects. Whether you are paying dues or your dues are waived, please fill out the renewal form. Your information is important for the accuracy of our data base and therefore our operations. Please return your renewal form promptly. If you do not have the form, email RUSINovaScotia@gmail.com.

Survey. The beginning of 2020 is also time for the annual RUSI(NS) survey. Survey Monkey is being used to manage the survey. You received a survey email in early January asking you to fill in the survey. The survey is short. Your feedback is important and wanted – please take the time to complete the survey. For those who receive RUSI(NS) emails at an @forces address and therefore would have issues with a Survey Monkey link, a separate email was sent to you. If you do not have the survey (as Survey Monkey email or separate form), email RUSINovaScotia@gmail.com.

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.

19 February, Wednesday - Distinguished Speaker Dr Chris Harvey-Clark, Dalhousie University and Major (retired) John McCallum, Royal Military College. Their presentation is titled "The Explosive History of HMS *Raleigh*." 1130-1330. Royal Artillery Park Officers' Mess.

New: 3 March, Tuesday - Distinguished Speaker Colonel RT Strickland, Commandant Canadian Army Command and Staff College Kingston, on counter-insurgency. Evening (hours TBA, likely 1800). Location TBD, likely Royal Artillery Park Officers' Mess or Cambridge Military Library. This is a short-notice event to take advantage of the colonel's availability. More information will be promulgated when determined.

New: 4 March, Wednesday - RUSI(NS) **Annual General Meeting**. Noon start. Royal Artillery Park Officers' Mess. This event was re-scheduled from 19 February because of snow.

18 March, Wednesday - Distinguished Speaker Dr Jonathan Fowler, Saint Mary's University, titled "The Historical Archaeology of Halifax's Earliest Defences." 1100-1300 (**note** difference from our usual timings). Royal Artillery Park Officers' Mess.

5 April, Wednesday - (To be confirmed) Distinguished Speaker, senior officer from RCN. 1130-1330. Royal Artillery Park Officers' Mess.

28 April, Tuesday - Evening @ Government House presentation by Dr Marc Milner to mark the 75th Anniversary of the Battle of the Atlantic. Dr Milner will present on the longest continuous naval and air campaign during the Second World War in which the RCN and RCAF played a pivotal role. See: <https://lt.gov.ns.ca/news-events/evenings-government-house>.

28 April, Tuesday - presentation by RUSI(NS) member Tom Tulloch, "The Royal Naval Burying Ground." 7 pm. Maritime Museum of the Atlantic. See: <https://maritimemuseum.novascotia.ca/event/royal-naval-burying-ground-tom-tulloch>.

20 May, Wednesday - (To be confirmed) Distinguished Speaker Chief of Halifax Regional Police Dan Kinsella, about policing in HRM. 1130-1330. Royal Artillery Park Officers' Mess.





26 May, Tuesday - presentation by RUSI(NS) member Tom Tulloch, "The Halifax Graving Doc." 7 pm. Maritime Museum of the Atlantic. See: <https://maritimemuseum.novascotia.ca/event/halifax-graving-dock-history-tom-tulloch>.

Recent Publications:

RUSI(NS) Information Paper "Keel-Laying" <https://rusi-ns.ca/keel-laying-2/>, 1 February 2020

The United Services Institute of Nanaimo and North Island (USINNI) Newsletter VOL 28 NO 02 - FEBRUARY 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.

<p>.@CoastGuardCAN offshore fisheries science vessel CAPTAIN JACQUES CARTIER departs west coast 31 Jan for new homeport #Halifax NS. Sister ship #CCG OFV SIR JOHN FRANKLIN in background. 2 builds by Seaspan Shipyards @MoreThanShips as part of CAN 🇨🇦 National Shipbuilding Strategy #NSS</p>	
<p>ASPI @ASPI_org 10 Feb tweeted: '... if the role of Defence in disaster mitigation and response is thought of from first principle... more will need to change than would have been likely even a year ago' writes @michael_ASPI (Defence minister's strategic reassessment must take fires and floods into account https://www.aspistrategist.org.au/defence-ministers-strategic-reassessment-must-take-fires-and-floods-into-account/) RUSI(NS) retweeted: Thoughts for @NationalDefence authorities & @CanadianForces domestic operations planners</p>	
<p>STRATCOMCOE @STRATCOMCOE 10 Feb tweeted: New poll from @pewresearch shows that NATO is viewed favourable across member states, with the strongest support in Poland (82%) followed by Lithuania (77%) and the Netherlands (72%) (NATO Seen Favorably Across Member States https://www.pewresearch.org/global/2020/02/09/nato-seen-favorably-across-member-states/) RUSI(NS) retweeted: .@pewresearch poll shows 66% favourable support in CAN 🇨🇦 for #NATO</p>	
<p>VAdm/Vam Art McDonald @Comd_RCN 10 Feb tweeted and RUSI(NS) retweeted: Having seen so many of you share our @RoyalCanNavy excitement upon launch of our #DigitalNavy Strategy & Action Plan on Friday, I wanted to draw your attention to this @financialpost article from the weekend updating everyone on one of our lines of effort! (Canada's navy is developing an AI voice assistant for warships, but don't worry: It won't control the weapons https://business.financialpost.com/technology/canadas-navy-is-developing-an-ai-voice-assistant-for-warships-but-dont-worry-it-wont-control-the-weapons) RUSI(NS) retweeted: "Digital Navy - A Strategy to Enable Canada's Naval Team for the Digital Age" http://www.navy-</p>	

marine.forces.gc.ca/assets/NAVY_Internet/docs/en/innovation/rcn_digital_navy_initiative.pdf #RCNavy

#Cyber threats were designated as a mission task under initiative called Strengthening the Army Reserve (StAR), @CanadianArmy's response to 2016 @CDS_Canada_CEMD directive to operationalize Reserve Forces

<https://canadianarmytoday.com/cyber-warriors-army-reserve-units-take-up-mission-task-of-cyber-operators/>

(Cyber Warriors: Army Reserve units take up mission task of cyber operators

<https://canadianarmytoday.com/cyber-warriors-army-reserve-units-take-up-mission-task-of-cyber-operators/>)



NationalDefence @NationalDefence 12 Feb tweeted and RUSI(NS) retweeted: On the Day Against the Use of Child Soldiers, we're sharing some of the significant progress

@NationalDefence and partners have made to help protect #ChildrenNotSoldiers. There's still much work we can do:

[https://international.gc.ca/world-monde/issues_developpement-enjeux_developpement/human_rights-](https://international.gc.ca/world-monde/issues_developpement-enjeux_developpement/human_rights-droits_homme/principles-vancouver-principes.aspx?lang=eng)

[droits_homme/principles-vancouver-principes.aspx?lang=eng](https://international.gc.ca/world-monde/issues_developpement-enjeux_developpement/human_rights-droits_homme/principles-vancouver-principes.aspx?lang=eng)

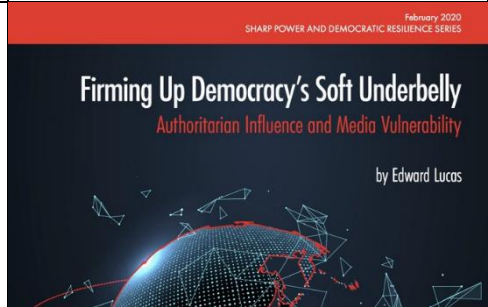
#VancouverPrinciples #RedHandDay



STRATCOMCOE @STRATCOMCOE 12 Feb tweeted and RUSI(NS) retweeted: "This report explores how authoritarian regimes...have exploited democratic norms and transformed the market for information into a dangerous tool to exert antidemocratic sharp power."

(Sharp Power and Democratic Resilience Series

<https://www.ned.org/sharp-power-and-democratic-resilience-series/>)



LGen Wayne Eyre @Army_Comd 12 Feb tweeted and RUSI(NS) retweeted: Christie Blatchford, award-winning Canadian war correspondent, spent time with the Forces in Afghanistan writing "incredibly vivid and accurate reports". She said those stories were some of the most profound of her life. She and her gift will be missed.

(Dead at 68: Christie Blatchford was a tenacious voice for victims, a thorn to the smug

<https://nationalpost.com/news/canada/rip-christie-blatchford>)



Posted on Facebook Royal United Services Institute NS with comments:

Marine clean-up requires coast-wide co-operation: report

<https://biv.com/article/2020/02/marine-clean-requires-coast-wide-co-operation-report>



"Cleaning up B.C.'s abandoned vessels and marine debris will take coast-wide co-operation to be effective..."

Good times for ship breakers? Ship breaking continues to be a topic of interest to RUSI(NS) (see: "Breaking Up Former Canadian Warships" <https://rusi-ns.ca/breaking-up-former-canadian-warships/> and "Breaking Up Iroquois – Good for Nova Scotia Economy" <https://rusi-ns.ca/breaking-iroquois-good-nova-scotia-economy/>).

report: What We Heard on Marine Debris in B.C.

https://www2.gov.bc.ca/assets/gov/environment/waste-management/zero-waste/marine-debris-protection/marine_debris_what_we_heard_report_final_web.pdf

Strong Secure Engaged

<https://www.youtube.com/watch?v=rCXHD39phbs&feature=youtu.be>



The video outlines the major sections of the Defence Paper published in June, 2017.

First Royal Air Force P-8A Poseidon anti-submarine aircraft arrives in UK

<http://www.navyrecognition.com/index.php/news/defence-news/2020/february/8017-first-royal-air-force-p-8a-poseidon-anti-submarine-aircraft-arrives-in-uk.html>



Interesting that the Royal Air Force named their first P8 maritime patrol aircraft the 'Pride of Moray.' Not abnormal for individual aircraft to be named (actually, quite routine historically), but does the Royal Canadian Air Force (RCAF) now follow/allow such a practice.

A senior RCAF office described the arrival event as an 'acceptance ceremony.' What's involved in such a ceremony? Will the RCAF do similar for new aircraft, e.g., the CC295 fixed wing search and rescue aircraft (for which a type name has not yet been homologated and announced)?

Armor units outperform airborne, Air Force and Navy in deterring aggression overseas, report says

<https://www.stripes.com/news/europe/armor-units-outperform-airborne-air-force-and-navy-in-deterring-aggression-overseas-report-says-1.617766>



This article should be of interest to those in and studying Canadian ground forces, what with the debate from time-to-time as to what constitutes a balanced Army, that is, what light forces and what heavy forces (armour, heavy artillery, major air defence systems).

"The clearest evidence for achieving deterrence was connected to 'heavy ground forces'..." RAND appears to conclude 'go early' and 'go heavy.'

"The analysis also showed 'little, if any, evidence for the deterrent impact of air and naval forces'..." And RAND appears to conclude that 'boots on the ground' is the best deterrence.

So, what should it mean for the Canadian Armed Forces? How should the Forces be balanced between ground, air and sea forces, and within the ground forces? Of course, major factors to answering such questions are what the Canadian public expects out of its military, and what the Canadian government wants to fund and demand of the Forces.

Shunkō large patrol vessel handed over to Japan Coast Guard

<https://www.navalnews.com/naval-news/2020/02/shunko-large-patrol-vessel-handed-over-to-japan-coast-guard/>



It would be interesting to know what is involved in a Japanese delivery/handover ceremony (acceptance ceremony). Canada is about to experience such an event, with the delivery/acceptance of the future HMCS HARRY DEWOLF, first of the Arctic and Offshore Patrol Vessels (AOPV) being built by the Arctic and Offshore Patrol Ship project. There will be marine and naval traditions as part of the ceremony, some of which may be reflected in what Japan does. There is a certain commonality amongst those who sail.

At 6,000 tons displacement, the SHUNKō is comparable with Canada's AOPV. Ocean patrol vessels are getting larger. There is more capability and more endurance in size. The SHUNKō can operate two helicopters and is armed with a 40mm and two 20mm guns does not reflect poorly on the AOPV - the ships are designed for different roles and different operating environment.

PLH is not a designation to be found in NATO's APP-20 Standard Ship Designator System. What does it mean? Patrol Vessel, Large, Helicopter-carrying?

Will U.S. Navy Submarines Be Armed With Laser Weapons?

<https://nationalinterest.org/blog/buzz/will-us-navy-submarines-be-armed-laser-weapons-115261>



Will the next generation of Canadian submarines have sufficient power generation capability to power lasers? Lasers would be quite the addition to what already is a significant combat vessel.

Navy Cuts Super Hornet Production to Develop Next-Generation Fighter

<https://news.usni.org/2020/02/10/navy-cuts-super-hornet-production-to-develop-next-generation-fighter>



Is it getting too late for the F/A-18E/F Super Hornet to be considered as a contender for the Royal Canadian Air Force Future Fighter Capability project?

Navy demonstrates how unmanned system can keep Naval Station Norfolk safe

<https://www.wtkr.com/news/military/navy-demonstrates-how-unmanned-system-can-keep-naval-station-norfolk-safe>



Hmm, will someday we see unmanned surface systems protecting HMC Dockyards Halifax and Esquimalt? And maybe Arctic facilities?

Vancouver eyes four-year project to restore almost 7,400 military graves






<https://www.msn.com/en-ca/news/canada/vancouver-eyes-four-year-project-to-restore-almost-7400-military-graves/ar-BBZRzue?ocid=se2>



Bravo City of Vancouver and Veterans Affairs Canada. Hmm, what is the VAC program that will fund this initiative? How many other military graves are there in Canada that could benefit from restoration?

The RCMP has a Graves Inspection Program whereby graves of RCMP members are inspected annually, usually by RCMP veterans. The RCMP funds headstones or markers for qualified members. Some veterans participate in a Graves Recovery Project to find graves of members who did not get a RCMP headstone or marker.

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>This Week</p> <p>https://mailchi.mp/rusi.org/thisweek-7-february?e=a539211a30</p>	
<p>Germany, France plot new steps for trinational fighter jet — but what about Spain?</p> <p>https://www.defensenews.com/global/europe/2020/02/06/germany-france-plot-new-steps-for-trinational-fighter-jet-but-what-about-spain/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2002.06.20&utm_term=Editorial%20-%20Early%20Bird%20Brief</p>	
<p>'A threat to our allies': Russia stalking US satellites, NATO general warns</p> <p>https://www.washingtonexaminer.com/policy/defense-national-security/a-threat-to-our-allies-russia-is-stalking-us-satellites-nato-general-warns?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2002.06.20&utm_term=Editorial%20-%20Early%20Bird%20Brief</p>	
<p>Irving to receive \$58 million for 'minimal' changes to new Coast Guard ships</p> <p>https://ottawacitizen.com/news/national/defence-watch/irving-to-receive-58-million-for-minimal-changes-to-new-coast-guard-ships</p>	

Canada's front-line frigates have suffered 10 fire and smoke incidents since 2018

<https://www.cbc.ca/news/SOMNIA-1.5453216>



Military police costly, redundant in this day and age

https://www.thechronicleherald.ca/opinion/local-perspectives/tim-dunne-military-police-costly-redundant-in-this-day-and-age-403817/?fbclid=IwAR0jwaKVloQNe_mAcJXp7Y4J_-5va4RyArTweDxfJeB1fCj_vdG4od8crHs



Canada's military wants Trudeau to ban Huawei from 5G networks: report

<https://ottawacitizen.com/technology/military-wants-huawei-banned-from-5g-in-canada-report/wcm/17d33cb5-9829-4888-8ff8-cfac21f8df91>



Military: Shorter skirts, disaster relief and highlighting medals as 'bling' might bring more women in

<https://ottawacitizen.com/news/national/defence-watch/shorter-skirts-disaster-relief-and-highlighting-medals-as-bling-might-bring-more-women-into-the-military>



Macron seeks leading role in post-Brexit EU nuclear strategy

https://www.defensenews.com/smr/nuclear-arsenal/2020/02/07/macron-seeks-leading-role-in-post-brexit-eu-nuclear-strategy/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2002.10.20&utm_term=Editorial%20-%20Early%20Bird%20Brief



Marni Soupcoff: Canadian military off-target in its strategies to recruit more women

<https://www.msn.com/en-ca/news/canada/marni-soupcoff-canadian-military-off-target-in-its-strategies-to-recruit-more-women/ar-BBZTitb?ocid=se2>



Canada's submarine fleet spent 'zero days' at sea last year: government documents

<https://www.cbc.ca/news/SOMNIA-1.5458632>



NATO official warns Chinese missiles 'can reach US and Europe'

https://www.washingtonexaminer.com/policy/defense-national-security/nato-official-warns-chinese-missiles-can-reach-us-and-europe?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%202021.11.20&utm_term=Editorial%20-%20Early%20Bird%20Brief



100 US Soldiers to Transfer into Space Force in 2021

https://www.defenseone.com/politics/2020/02/100-us-soldiers-transfer-space-force-2021/163043/?oref=defense_one_breaking_nl



Backlog of applications for veterans' benefits grows by the thousands

<https://www.cbc.ca/news/SOMNIA-1.5458596>



'The intelligence coup of the century'

https://www.washingtonpost.com/graphics/2020/world/national-security/cia-crypto-encryption-machines-espionage/?itid=hp_hp-top-table-main_crypto-730am%3Ahomepage%2Fstory-ans



Hospitals threatened to not see troops after military cut reimbursement rates

<https://www.msn.com/en-ca/news/canada/hospitals-threatened-to-not-see-troops-after-military-cut-reimbursement-rates/ar-BBZTsrh?ocid=se2>



War on Autopilot? It Will Be Harder Than the Pentagon Thinks

https://www.defenseone.com/technology/2020/02/war-autopilot-it-will-be-harder-pentagon-thinks/163064/?oref=defense_one_breaking_nl



NATO eyes boosting Iraq army training, still needs Iraq's OK

https://www.militarytimes.com/news/your-military/2020/02/13/nato-eyes-boosting-iraq-army-training-still-needs-iraqs-ok/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%20202.13.20&utm_term=Editorial%20-%20Early%20Bird%20Brief



Iran's Reserve of Last Resort

<https://www.criticalthreats.org/wp-content/uploads/2020/01/20200121-Report-Iran%e2%80%99s-Reserve-of-Last-Resort.pdf>



Norad commander says Canada, U.S. have lost Arctic military advantage over Russia

<https://globalnews.ca/news/6548127/norad-commander-us-canada-russia-arctic/>



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

#Arctic

China's Increasing Role in the Arctic

<https://www.heritage.org/global-politics/report/chinas-increasing-role-the-arctic>

#artificial intelligence

Day Zero Ethics for Military AI

<https://warontherocks.com/2020/01/day-zero-ethics-for-military-ai/>

#land systems

US Army Wants to See Through Walls—and ID People on the Other Side

<https://www.defenseone.com/technology/2020/02/us-army-wants-see-through-wallsand-id-people-other-side/162957/>

#information operations

The coronavirus is the first true social-media “infodemic”

Lessons: <https://www.technologyreview.com/s/615184/the-coronavirus-is-the-first-true-social-media-infodemic/>

#leadership

Krulak Revisited: The Three-Block War, Strategic Corporals, and the Future Battlefield

<https://mwi.usma.edu/krulak-revisited-three-block-war-strategic-corporals-future-battlefield/>

#logistics

Making ‘Self-Reliance’ Meaningful – Preparing the Military to Operate Alone

<https://logisticsinwar.com/2020/02/09/making-self-reliance-meaningful-preparing-the-military-to-operate-alone/>

#planning

A round peg for a round hole: a new approach to non-operational decision making

<https://cove.army.gov.au/article/round-peg-round-hole-new-approach-non-operational-decision-making>

#reading #futurecasting

Tech Trends and the Navy-Marine Corps Team


<http://cimsec.org/tech-trends-and-the-navy-marine-corps-team/42799>

#United States

Report on U.S. Role in the World: Background and Issues for Congress

<https://news.usni.org/2020/02/06/report-on-u-s-role-in-the-world>

Other:



Defense One eBooks and Special Reports

<https://link.defenseone.com/view/56c715c86e4adc434d8b5279bk4n7.87c/629bb440>

RCN Infographic

Even the simplest of deployments can benefit from a good infographic.

MARLANT @RCN_MARLANT 12 Feb tweeted: #HMCSVilledeQuébec returned to Halifax, after conducting operations with the @USNavy Strike Group 10, off the Eastern seaboard of the United States. #BravoZulu. Strengthening interoperability and increasing combat readiness with partner navies. #ReadyAyeReady CA⚓

HMCS VILLE DE QUÉBEC – FFH 332

HMCS VILLE DE QUÉBEC returns home after conducting operations with the United States Navy Carrier Strike Group 10 as part of a Command and Control Exercise off the Eastern seaboard of the USA. This important mission contributes to the combat readiness of the RCN, and enables the interoperability required to conduct operations globally.



- ≈ **9,250** nautical miles sailed
- ≈ **1.1 Million** liters of fuel replenished at sea
- ≈ **102 hours** of CH-148 flight time
- ≈ **140,000** people reached through our Bell #letstalk campaign

*Port Visits in Norfolk, VA
& Fort Lauderdale, FL*



MARINE  **ROYAL CANADIAN NAVY**
ROYALE CANADIENNE