



Royal United Services Institute of Nova Scotia Dispatches 31 January 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.

12 February, Wednesday - RUSI(NS) *Annual General Meeting*. Noon start. Royal Artillery Park Officers' Mess.

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.

17 March, Tuesday - Evening at Government House presentation by Stephen Kimber about the VE Day Riots at the end of the Second World War. See poster at end of *Dispatches* for this and further Evenings at Government House events.

18 March, Wednesday - Distinguished Speaker Dr Jonathan Fowler, Saint Mary's University, speaking about archeological surveys of Halifax. 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.


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.

Recent Publications:

RUSI(NS) Presentation "Office of the Veterans Ombudsman" <https://rusi-ns.ca/veterans-ombudsman-presentation/>, by Craig Dalton, 20 November 2019

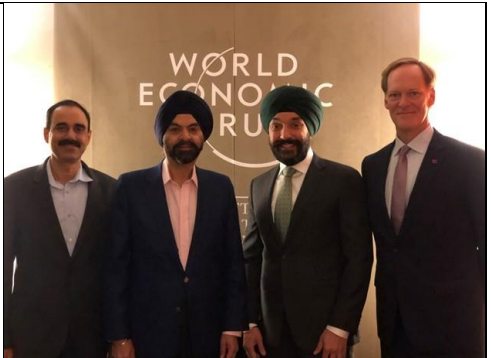
Tweeted by @RUSI_NS: RUSI(NS) tweets may also be viewed by clicking on the icon at <https://RUSI-NS.ca>. To have something tweeted or retweeted, email the CIO at RUSINovaScotia@gmail.com. Original article title in parentheses.

<p>MARLANT @RCN_MARLANT 25 Jan tweeted: Today, two maritime coastal defence vessels #HMCSShawinigan and #HMCSGlaceBay deployed for #OpPROJECTION West Africa, to work with African nations to build partner capacity, promote maritime security, and foster relationships in the region. Fair winds and following seas. RUSI(NS) retweeted: Operation PROJECTION https://www.canada.ca/en/department-national-defence/services/operations/military-operations/current-operations/operation-projection.html @CanadianForces conducts training, exercises & engagements w foreign navies & other international security partners. #CAF supports #NATO & other allied ops #OpPROJECTION</p>	
<p>Canadian Forces @CanadianForces 25 Jan tweeted: We will transport fire retardant from the US to Australia, provide airlift support to Australia, and provide imagery support for two hard hit areas in the #VicFires #OpRENAISSANCE. RUSI(NS) retweeted: Operation RENAISSANCE https://www.canada.ca/en/department-national-defence/services/operations/military-operations/current-operations/operation-renaissance.html @CanadianForces rapid deployment to scene of disaster overseas to provide assistance</p>	

<p>as directed by CAN 🇨🇦 gov't in response to request from another nation for help #OpRENAISSANCE</p>	
<p>Canadian Forces @CanadianForces 28 Jan tweeted and RUSI(NS) retweeted: A training variant of the CC-295 is currently en route to its new home inside the future SAR training centre at 19 Wing, Comox, B.C. stopping at #FWSAR bases along the way. #WellEquipped http://rcaf-arc.forces.gc.ca/en/article-template-standard.page?doc=new-fwsar-maintenance-trainer-arrives-in-canada/k5s8f514 (New FWSAR maintenance trainer arrives in Canada)</p>	

Posted on Facebook Royal United Services Institute NS with comments:

<p>Minister Sajjan and Minister MacAulay meet with Minister Mark of New Zealand</p> <p>https://www.canada.ca/en/department-national-defence/news/2020/01/minister-sajjan-and-minister-macaulay-meet-with-minister-mark-of-new-zealand.html</p>	
<p>"As a Pacific nation, Canada recognizes the importance of the Asia-Pacific region to global peace and security. During his meeting with Minister Mark, Minister Sajjan highlighted the Canadian Armed Forces' (CAF) sustained presence and collaboration with partners and allies in the region." Written in political news release language, yes, but does touch upon a significant aspect, a focus of Canadian foreign affairs and defence strategies on the Pacific (whether this strategy is well articulated elsewhere in national policies is debatable.)</p> <p>Good to see the mention on "importance of supporting still-serving members and Veterans through the transition into life after service." The challenges and procedures of transition need official attention.</p>	

<p>Minister Bains announces new cybersecurity centre to help protect Canadians online</p> <p>https://www.canada.ca/en/innovation-science-economic-development/news/2020/01/minister-bains-announces-new-cybersecurity-centre-to-help-protect-canadians-online.html</p>	
<p>A "new global Intelligence and Cyber Centre" which will "focus on creating technologies and standards to ensure that Canadians and others around the world can safely use any device that could be connected to the Internet." Hmm, wudda thought that such a centre was already established in Canada; the need for one has long been there. And was a global aim? Probably reflective that Mastercard is an international company with some interests greater than the state of Canada.</p>	

Pentagon Working on Radical New Fighting Style: Mosaic Warfare

https://www.theepochtimes.com/pentagon-working-on-radical-new-fighting-style-mosaic-warfare_3210312.html



Term alert! Mosaic Warfare = "...getting numerous smaller, cheaper, perhaps lower-tech systems and deploying them in a radically new way."

(Not to be confused with mosaic theory, "the idea that large scale or long-term collections of data reveal details about individuals in ways that are qualitatively different than single instances of observation..." See: "In Defense of the Mosaic Theory" <https://www.lawfareblog.com/defense-mosaic-theory>.)

And another term alert! "Systems Destruction refers to targeting the systems underlining a military capability or process..."

US Army Sleuths Seek Social-Media Search Services

<https://www.defenseone.com/technology/2020/01/armys-investigative-unit-wants-social-media-exploitation-services/162700/>



"...aims to acquire access to 'social media exploitation' services... to quickly unlock the value of social media and big data to assess risk, respond to threats and discover actionable intelligence." Part of "probes into threats against the military branch and its personnel."

That reads kinda obvious. How much does the Canadian Forces do similarly?

What Canada's allies can teach us about government-industry cyber collaboration

<https://www.newswire.ca/news-releases/new-cadsi-report-what-canada-s-allies-can-teach-us-about-government-industry-cyber-collaboration-810414266.html>



"Canada has lagged behind its allies when it comes to government-industry collaboration in the cyber domain..."

"Government officials are being advised to look to our closest partners and allies around the world for strategies that are proven to work."

All government departments and agencies, including Canadian Armed Forces, should be operating collaboratively with each other and with non-government organizations including industry in the cyber domain.

U.K.'s plan to deal with Huawei 5G provides an uncertain course for Canada to consider

<https://www.msn.com/en-ca/news/canada/uks-plan-to-deal-with-huawei-5g-provides-an-uncertain-course-for-canada-to-consider/ar-BBZqEv8?ocid=spartandhp>



This is a CBC article published 29 January 2020 U.K.'s plan to deal with Huawei 5G provides an uncertain course for Canada to consider by Thomas Daigle:

What the article doesn't say, is that the British security services evaluated Huawei equipment and they estimated that it would likely take ten to 15 years for Huawei equipment to become compliant with British security needs. It also doesn't mention Britain's greater capacity to effectively evaluate technical equipment versus our limited technical abilities. The other issue not discussed in the article is the need to renew the North Warning System and its importance to the defence of North America. Imagine a situation where a backdoor within a Chinese created system in key Canadian infrastructure, which could be used at a critical time. The US would be quite justified in restricting access to key information and capabilities.

The North Warning System must be replaced within the next few years. How confident should anyone be to know that the method to get information to the correct locations may utilize the equipment from China that has already proven adversarial as we have seen with influence activities, economic pressure, use of hostages etc. Huawei has been caught along with other Chinese firms engaged in infrastructure development with the African Union Headquarters penetration being one of the worst. The Czech Republic also has arrested Huawei employees for espionage as well.

The US our closest neighbour and normally a good friend, is in the process of drafting legislation in Congress that will restrict the flow of intelligence material to countries that have Huawei equipment in their 5G network. This is not theoretical anymore and the issues involving or that could potentially cause a major security concern will have an almost immediate chilling effect on Canadian American relations as Canada is vital to US Defence in the North. The US continues to be our key trading partner as well, we must be sensitive to their concerns or face potential consequences.

In the past week, Minister Bill Blair was asked by reporters about the Huawei situation and he stated that any decision would have to be in ensuring the safety of Canada and Canadian citizens. We know that according to the British there are major concerns with Huawei equipment to make it compliant and we also know that the US can and will take action to safeguard their defence and as a result our defence as well. Selection of Huawei will have consequences with our Allies. It seems the decision is very clear already and in the best interests of all Canadians especially in view of Chinese hostile actions; Huawei must be banned.

C295 Successfully Performs Wet Contacts as a Tanker

<http://www.canadiandefencereview.com/news?news/2790>



Air-to-air refueling. Does the new Royal Canadian Air Force CC295 (yet to be named) fixed wing search and rescue (SAR) aircraft have the capability to receive fuel in the air from a tanker aircraft? Great way to extend SAR range and time-on-station.

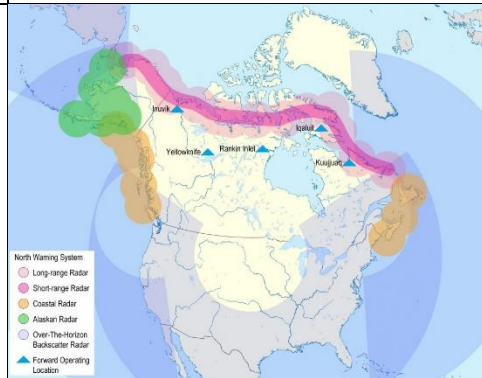
Posted on Facebook Royal United Services Institute NS: RUSI(NS) postings may be viewed by clicking on the icon at <https://RUSI-NS.ca>. To have something posted or commented, email the CIO by noon Thursday.

 This Week

<https://mailchi.mp/rusi.org/thisweek-24-january-167393?e=a539211a30>

Defence expert slams Ottawa for ignoring North Warning System upgrade

<https://nunatsiaq.com/stories/article/defence-expert-slams-ottawa-for-ignoring-north-warning-system-upgrade/>



Warning Intelligence Update: Iran Increases Pressure on U.S. Forces in Iraq

<http://iswresearch.blogspot.com/2020/01/warning-intelligence-update-iran.html>



Use it or Lose it: Corporate Over-Planning in the Air Force

https://www.cgai.ca/use_it_or_lose_it_corporate_over_planning_in_the_air_force?utm_campaign=pp_overplanningairforce&utm_medium=email&utm_source=cdfai



This British Army tank comes equipped with X-ray vision

<https://www.militarytimes.com/off-duty/military-culture/2020/01/24/this-british-army-tank-comes-equipped-with-x-ray-vision/>



Why Does the US Spend So Much on Defense?

https://www.defenseone.com/ideas/2020/01/why-does-us-spend-so-much-defense/162657/?oref=defense_one_breaking_nl



Here it is, the Space Force seal.

https://www.militarytimes.com/news/your-military/2020/01/24/here-it-is-the-space-force-seal/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2001.27.20&utm_term=Editorial%20-%20Early%20Bird%20Brief



Canadian Forces sending plane, crew to help fight Australia wildfires

<https://www.cbc.ca/news/SOMNIA-1.5432787>



Negotiations ‘almost complete’ on Poland’s buy of 32 F-35s, defense minister says

https://www.defensenews.com/global/europe/2020/01/23/negotiations-almost-complete-on-polands-buy-of-32-f-35s-defense-minister-says/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2001.24.20&utm_term=Editorial%20-%20Early%20Bird%20Brief



Watchdog: China now 2nd largest arms producer

https://www.navytimes.com/news/your-navy/2020/01/27/watchdog-china-now-2nd-largest-arms-producer/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2001.28.20&utm_term=Editorial%20-%20Early%20Bird%20Brief



Russia Exerts Growing Influence in Africa, Worrying Many in the West

https://www.nytimes.com/2020/01/28/world/africa/russia-africa-troops.html?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2001.28.20&utm_term=Editorial%20-%20Early%20Bird%20Brief



Pentagon Seeks a Way to Shoot Down Putin’s ‘Invincible’ Hypersonic Missiles

https://www.defenseone.com/technology/2020/01/pentagon-seeks-way-shoot-down-putins-invincible-hypersonic-missiles/162717/?oref=defenseone_today_nl



Today’s Arctic Diplomacy Can’t Handle Tomorrow’s Problems

https://www.defenseone.com/ideas/2020/01/todays-arctic-diplomacy-cant-handle-tomorrows-problems/162719/?oref=defenseone_today_nl



Senior officer warns Norad can't detect Russian bombers in time, needs upgrades

<https://nationalpost.com/pmn/news-pmn/canada-news-pmn/senior-officer-warns-norad-cant-detect-russian-bombers-in-time-needs-upgrades>



DND's Carling headquarters in a cellphone dead zone

<https://ottawacitizen.com/news/national/defence-watch/dnds-carling-headquarters-in-a-cellphone-dead-zone>



Deterrence in the Age of Thinking Machines

https://www.rand.org/pubs/research_reports/RR2797.html?utm_source=WhatCountsEmail&utm_medium=RAND%20Policy%20Currents+AEM:%20%20Email%20Address%20NOT%20LIKE%20DOTMIL&utm_campaign=AEM:631600804



US Expected to Loosen Restrictions on Land Mines — Smart Ones, Anyway

[https://www.defenseone.com/technology/2020/01/us-expected-loosen-restrictions-land-mines-smart-ones-anyway/162773/?oref=defense one breaking nl](https://www.defenseone.com/technology/2020/01/us-expected-loosen-restrictions-land-mines-smart-ones-anyway/162773/?oref=defense%20one%20breaking%20nl)



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

#A2R

What Happened to Retention?

<https://wvroom.com/2019/09/17/what-happened-to-retention-military-army-career/>

#Arctic

Today's Arctic Diplomacy Can't Handle Tomorrow's Problems

<https://www.defenseone.com/ideas/2020/01/todays-arctic-diplomacy-cant-handle-tomorrows-problems/162719/>

#artificial intelligence #intelligence

Spies Like AI: The Future of Artificial Intelligence for the US Intelligence Community

<https://www.defenseone.com/technology/2020/01/spies-ai-future-artificial-intelligence-us-intelligence-community/162673/>

#command and control

Composite Warfare Doctrine – Providing the JFMCC with the Optimal Command and Control Method for Amphibious Operations

<https://apps.dtic.mil/dtic/tr/fulltext/u2/a621058.pdf>

#foreign policy

What Is a Moral Foreign Policy?

<https://tnsr.org/2019/11/what-is-a-moral-foreign-policy/>

#information operations

Russia as a Hurricane, China as Climate Change: Different Ways of Information Warfare

<https://warontherocks.com/2020/01/russia-as-a-hurricane-china-as-climate-change-different-ways-of-information-warfare/>

#leadership

An Open Letter to Battalion Commanders: How to Use Social Media

<https://fromthegreennotebook.com/2020/01/30/an-open-letter-to-battalion-commanders-how-to-use-social-media/>

#logistics

Mobile Nuclear Power Will Enable a Logistics Revolution for the Army

<https://warontherocks.com/2019/11/mobile-nuclear-power-will-enable-a-logistics-revolution-for-the-army/>

#maritime air

Maritime Air

<https://www.yumpu.com/en/document/read/48678987/12-maritime-air-e>

Dated - time for someone to write a new version?

#maritime strategy

Some Principles of Maritime Strategy

www.gutenberg.org/ebooks/15076

#military law

Option 17 Military Law and Vigilante Justice in Prisoner of War Camps during World War II

<https://www.armyupress.army.mil/Journals/Military-Review/English-Edition-Archives/January-February-2020/Hull-POW-WWII/>

#MND

Interview with the Minister of National Defence - Improving the Defence Procurement Process & Working with NATO

<http://www.canadiandefencereview.com/news?news/2787>

#personnel

Biff! A Personal Reflection on Supporting the Wounded, Injured and Sick

<https://thearmyleader.co.uk/wounded-injured-and-sick/>

Other:

NATO Multimedia Library January 2020 Acquisitions List
http://www.natolibguides.info/ld.php?content_id=10701615
and catalogue: <https://n10314uk.eos-intl.eu/N10314UK/OPAC/Index.aspx>

The logo for Defense One, featuring the words "Defense" and "One" stacked vertically in a bold, black, sans-serif font. The text is centered within a solid yellow rectangular background.

Defense One eBooks and Special Reports

<https://link.defenseone.com/view/56c715c86e4adc434d8b5279bh87q.u7/9a6ac45f>