



Royal United Services Institute of Nova Scotia Dispatches

12 July 2019

Dispatches is a weekly collection of links and news of current interest, included those tweeted and posted by the Institute on social media. Everyone is encouraged to submit links and other content to the Institute's Chief Information Officer (CIO) at RUSINovaScotia@gmail.com to be included in *Dispatches*. Comments can be from members or non-members of RUSI(NS). If you do not want to receive *Dispatches*, or wish to receive it at some different frequency, please inform the CIO. Feedback is welcome anytime.

Events: (To list an event into *Dispatches*, email the CIO by noon Thursday.)

17 July, Wednesday - Distinguished Speaker Barbarie Palmer, Senior Director Business Development (Air and Land), Bluecrop Training and Simulation, titled "Defence, Innovation and Duct Tape: Innovation Agendas in Application." 1130-1330. Royal Artillery Park Officers' Mess.


21 August, Wednesday - Distinguished Speaker TBA. 1130-1330. Royal Artillery Park Officers' Mess.

18 September, Wednesday - Distinguished Speaker TBA. 1130-1330. Royal Artillery Park Officers' Mess.

6 November, Wednesday – **save the date** for the RUSI(NS) 2019 Remembrance Dinner. Evening, Royal Artillery Park Officers' Mess.

Publications:

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

<p>RUSI(NS) @RUSI_NS Jun 29 The spectacle, the comradery, the history. A great #NovaScotia tradition begins for another year. What is your favourite Royal Nova Scotia International Tattoo memory? #Tattoo19 https://www.nstattoo.ca/show/</p>	
<p>RUSI(NS) @RUSI_NS Jun 28 Navigating international waters, meat imports, Michael Kovrig and Michael Spavor, Meng Wanzhou... A lot of subjects to cover, huge implications for future relations. Difficult to assess anything based on public moments with many eyes on the key players. https://globalnews.ca/news/5441701/justin-trudeau-xi-jinping-g20-seated-together/</p>	

RUSI(NS) @RUSI_NS 30 Jun

Keeping track of where conflict may occur has been like riding a roller coaster these past few years. What is next for North Korea?

<https://www.cbc.ca/news/world/trump-korea-dmz-kim-jong-un-1.5195698>



RUSI(NS) @RUSI_NS Jul 2

What are the regional and far-reaching consequences of **#Iran** having more stockpiled **#EnrichedUranium**? **#300kg** **#nuclear**

Iran breaches uranium stockpile limit set by nuclear deal

<https://www.ctvnews.ca/world/iran-breaches-uranium-stockpile-limit-set-by-nuclear-deal-1.4489352>



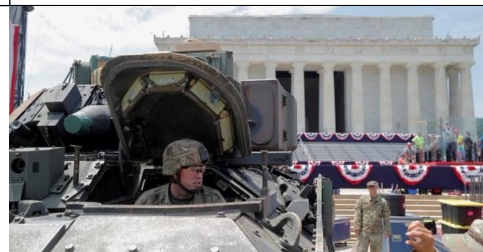
RUSI(NS) @RUSI_NS Jul 3

An army marches on its stomach. Listen to **@davidpugliese** explore advances in military cuisine on the Defence Watch podcast. What was the best meal you had in the field? **#foodie** ? **#combatmelon** **#oldchocolatebarsthatturndwhite** [https://ottawacitizen.com/news/national/defence-watch/defence-watch-podcast-from-nasty-eggs-to-poutine-how-the-canadian-military-is-fed-in-the-field ...](https://ottawacitizen.com/news/national/defence-watch/defence-watch-podcast-from-nasty-eggs-to-poutine-how-the-canadian-military-is-fed-in-the-field...)



RUSI(NS) @RUSI_NS Jul 4

Military and ceremony go hand-in-hand. The size and type of presence vary between nations. What was the most impressive military display you have seen? This **#July4th** **#parade** has generated some attention, watch it live:



RUSI(NS) @RUSI_NS Jul 5

South China Sea the navigation issues abound but the media stories that follow transits may be how nations count victories. A piece that was linked to by **@TimDunne** in this week's RUSI Defence and Security Newsletter provides some insights and links

Recent Opinion Pieces By Analysts On The South China Sea Perpetuate Misunderstandings – Analysis

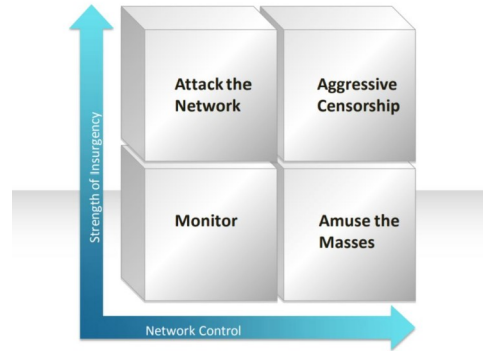
<https://www.eurasiareview.com/04072019-recent-opinion-pieces-by->



[analysts-on-the-south-china-sea-perpetuate-misunderstandings-analysis/](#)

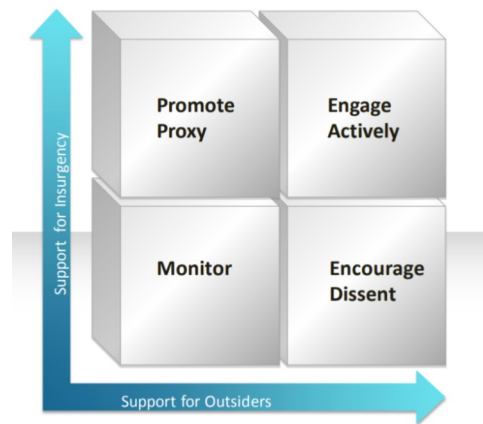
RUSI(NS) @RUSI_NS Jul 6

#Socialmedia and helping/hindering an **#insurgency** courtesy of **@CAF_College** . They have a long history of interesting papers to check out. Do you have a favourite?<https://www.cfc.forces.gc.ca/259/290/299/286/price.pdf> ...



RUSI(NS) @RUSI_NS Jul 7

What kind of model would **#China** use to determine strategy for dealing with Canada (and other nations) in response to **#HongKongProtests**? What model would other nations looking to support the protests use?
<https://www.scmp.com/news/hong-kong/article/3017504/canadian-ads-blasted-Hong-Kong-radicals-invoking-blood-loyalty> ...



RUSI(NS) @RUSI_NS 4 Jul 8

This is the attitude required to stay in shape at sea. This fleet was built to fight, not help the crew stay fit. Let's hope next gen ships and subs will leverage design and technology to keep our sailors healthy. Make sure to run counter-clockwise next time **@TheChief7657**



Running laps on my favorite track. Deck Dept doing small boat training. MSE Dept doing "Engineering Emergency" drills as my soundtrack **#bestjobever #sailorslifeforme @HMCSSTJOHNS @RCN_MARLANT @RoyalCanNavy**

RUSI(NS) @RUSI_NS Jul 9

Read **@RUSI_org** Associate Fellow **@helenacjwood** on **#moneylaundering** efforts in the UK: "In short the signal is being drowned out by the noise." <https://rusi.org/Kicking-the-Can-Down-the-Road-The-Law-Commissions-Report-on-UK-Anti-Money-Laundering-Law> ... To listen to a Canadian perspective on money laundering: <https://www.canadalandshow.com/podcast/how-vancouver-became-a-money-laundering-paradise/> ...



RUSI(NS) @RUSI_NS 10 Jul

A farewell memo from the #VCDS ends up public, likely even before all addressees even had time to read it. A great example of how a well-written note can speak for itself as even if LGen Wynnyk is not interviewed, his message is clear.

Mercedes Stephenson [Verified account @MercedesGlobal](#)

Here is the letter from the VCDS if you wish to read it [#cdnpoli](#)
[#CAF #MarkNorman](#)

<https://twitter.com/MercedesGlobal/status/1148761347053764608>

R13 144 358 (Pers)
9 July 2019

Distribution List

NOTICE OF INTENT TO RELEASE (VOLUNTARY)
R13 144 358 LIEUTENANT-GENERAL P.F. WYNNYK

Refs: A. QR&O 15.01
B. QR&O 15.08
C. Discussion CDS/VCDS 13 May 19
D. Discussion CDS/VCDS 26 Jun 19

1. In accordance with references A and B, the purpose of this letter is to advise you of my intent to release from the Canadian Armed Forces within the next 30 days.
2. The decision to appoint or relieve a VCDS, and the duration of that appointment, rests with you and you alone. You may recall that when you asked me to accept the post of VCDS, you insisted upon a two-year commitment as I had, until that point, planned to retire in the summer of 2019. After much thought and consultation with my wife, I agreed to continue to serve away from my family and beyond maximum pensionable time, giving you my word that I would not seek outside employment until retiring in 2020. At reference C, you advised that my continued service as the VCDS was no longer in the best interests of the CAF, that you intended to restore Vice-Admiral Norman to the position, and that this decision presented you with a dilemma with regard to my future employment. This initiated planning and discussions with my family for an imminent release, something that I had not planned for.
3. The recent settlement with Vice-Admiral Norman has made it clear that he is no longer returning to the post of VCDS. At reference D, you advised that I can now continue to serve as VCDS until the summer of 2020 as originally discussed prior to me assuming the post. While I appreciate the change of heart, I respectfully decline and intend to take my release from the Canadian Armed Forces as expeditiously as possible.
4. As a result, I think it best to relinquish all duties forthwith to concentrate on the many preparations and decisions associated with a move, release and transition to civilian life that now must be undertaken within a compressed timeframe.

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5. Because I am on Imposed Restriction (IR), I am required to release from Garrison Edmonton, which implies a departure from Ottawa as soon as the requisite administrative details have been addressed. It is important not only for professional reasons that I leave as soon as possible, but also for personal reasons as I seek to secure alternate employment. Should you appoint an acting or substantive VCDS in the interim, I would, of course be happy to do a thorough handover provided it can be accomplished prior to 19 July 19.

6. It has been a tremendous honour and privilege to serve Canada, the Department of National Defence and the Canadian Armed Forces for well over 38 years. I shall leave with nothing but respect, admiration and gratitude for the institution, and for the incredible men and women, both military and civilian, who selflessly serve our great nation.

Posted on Facebook Royal United Services Institute NS with comments:

There's Huawei too many vulns in Chinese giant's firmware:
Bug hunters slam pisspoor code

https://www.theregister.co.uk/2019/06/27/huawei_firmware_vulnerability_study



Those opposing any effort to ban Huawei from future 5G networks have always asked for proof that the firm had installed 'backdoors' that would allow it to steal or manipulate Western data. The proof is now available. The US internet security firm Finite State examined 14 years of Huawei firmware and discovered that at least 55% of their products contained such an exploitable backdoor. It also found hundreds of other examples of poor coding practices that would negatively impact security. Huawei products were significantly more vulnerable than those of its competitors according to this report.

Finite State steered clear of this stating any of these were intentionally planted. While Huawei has always claimed it would never act on Chinese

government direction to conduct spying or hacking of its products, the extent of the backdoors and faults in its software would appear to allow government hackers easy access to do just that. The weakness in software coding, and by implication the lack of rigorous quality control, might also suggest another reason why Huawei is able to offer cut-rate prices.

Separately, I have been informed those in the information security business have always had a low opinion of Huawei software as a result of its errors and vulnerabilities.

Trump said he'd ease up on Huawei. Questions remain about what that means

<https://www.cnn.com/2019/07/03/tech/trump-huawei-restrictions/index.html>



At the recent G20 in Osaka, President Trump announced the lifting of recent restrictions that had eliminated the possibility of US firms selling equipment to Huawei. There was also the suggestion that further concessions might be coming for Huawei as US-China trade negotiations progress.

Back in Washington they are still struggling to assess the implications of the President's announcement although one senior administration officer indicated the restrictions would only be lifted on Huawei's "general merchandise" as apart from, perhaps, network systems. Nevertheless, senior Republican senators were outraged over the obvious security implications of the announcement calling it a "catastrophic mistake." Senator Rubio also quite correctly added "It will destroy the credibility of his administration's warnings about the threat posed by the company, and no one will ever again take them seriously." Indeed.

During all of this, Canada, separately, was given some assurance that the US President had raised the cases of the two Canadians China has kidnapped as a result of the Meng Wanzhou arrest. While this is complete conjecture, it's

not hard to imagine that if there is an overall reduction in US restrictions on Huawei occurring at the end of their trade negotiations, China might release the two Canadians. In any such scenario it would be exceedingly difficult to see Canada, and potentially even the United States, continuing to insist on barring Huawei from their future 5G networks. Of course, such a result would directly reward China's hostage taking and encourage more. It is also problematic as the result increasing evidence of 'backdoors' in Huawei's code.

'Today, Hong Kong; tomorrow, Taiwan:' Resistance to China spreads

<https://asia.nikkei.com/Spotlight/Cover-Story/Today-Hong-Kong-tomorrow-Taiwan-Resistance-to-China-spreads>



The fallout from China's ill-advised attempt to have the Hong Kong government adopt an extradition law that would allow anyone in or traveling through Hong Kong to be sent to the PRC continues. First, China's claim that it was not behind the action was widely derided. Second, the internal stability potential of the Hong Kong protests appears a major concern. In China censors blocked scenes of the million plus crowds marching against the proposal from their Internet (<https://www.channelnewsasia.com/news/asia/china-backs-hong-kong-extradition-opposes-foreign-interference-11611722>) and imposed a media blackout (<https://www.businessinsider.com/chinas-state-controlled-media-ignored-coverage-hong-kong-protests-2019-7>). The China Daily, on the other hand, improbably argued that the huge protests were actually against US meddling in Hong Kong affairs. (<https://www.buzzfeednews.com/article/lmashkooor/hoaxes-hong-kong>). Then the Chinese Foreign Minister also blamed the writing on the "black hand" of the Western states claiming "They have made trouble in Hong Kong, stirred up opposition and tried to sabotage Hong Kong's stability and damage the implementation of one country, two systems," he said. (<https://www.cnn.com/2019/06/20/asia/china-wang-yi-hong-kong-intl-hnk/index.html>).








Beyond the Chinese government's and media's credibility, the principal fallout is that recent events in Hong Kong have probably put the final nail into the coffin of China's always doubtful "one country, two systems" promises. Offered to both Hong Kong and Taiwan, the promise was that by joining China those areas would continue to enjoy their own democratic,






legal and economic systems. The extradition law, however, was seen as a direct attack on Hong Kong's legal system. In Taiwan, where many always had their doubts about the "one country, two systems" gambit, the Hong Kong extradition proposal rallied both the government and the normally pro-China KMT opposition against it. Han Kuo-yu, the Kaohsiung mayor and a potential KMT leader said that if he were elected, Taiwan would be subjected to the 'one country, two system' proposal "over my dead body." The more independence-oriented President Tsai, who had suffered several election losses this year, has enjoyed rising support post the Hong Kong protests.



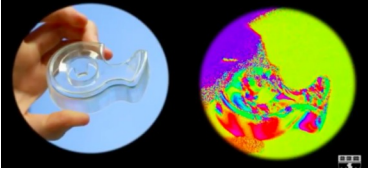



The danger now is that recent student rioting in the Hong Kong legislature building may provoke a stronger Chinese response. Stay tuned.







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>Focus</p> <p>MONTHLY UPDATE FROM THE ROYAL UNITED SERVICES INSTITUTE</p>	
<p>https://mailchi.mp/rusi.org/june-2019-newsletter-166321?e=a539211a30</p>	

<p>Russia to deliver first S-400 missile to Turkey in July: reports</p> <p>https://www.reuters.com/article/us-russia-turkey-missiles/russia-to-deliver-first-s-400-missile-to-turkey-in-july-reports-idUSKCN1TRIHY?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB+06.27.19&utm_term=Editorial+-+Early+Bird+Brief&fbclid=IwAR2MQFXlw</p>	
<p>NATO chief leaves all options open to counter Russia missile</p> <p>https://www.militarytimes.com/news/your-military/2019/06/26/nato-chief-leaves-all-options-open-to-counter-russia-missile/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB+06.27.19&utm_term=Editorial+-+Early+Bird+Brief&fbclid=IwAR3Zjd7e5Kt6tnw9uKJVLJWtwrbZA03Aq_88VTBCK8SES4nYnAvuJzGfi74</p>	
<p>Close Encounters During Operation NEON</p> <p>https://www.cgai.ca/close_encounters_during_operation_neon</p>	
<p>Canadian Forces says nothing unusual or provocative in Chinese reaction to Canadian warship</p> <p>https://ottawacitizen.com/news/national/defence-watch/canadian-forces-says-nothing-unusual-or-provocative-in-chinese-reaction-to-canadian-warship</p>	
<p>Chinese Cyber-Operatives Boosted Taiwan's Insurgent Candidate</p> <p>https://foreignpolicy.com/2019/06/26/chinese-cyber-operatives-boosted-taiwans-insurgent-candidate/?utm_source=PostUp&utm_medium=email&utm_campaign=13777&utm_term=Editor#39;s Picks OC</p>	
<div style="display: flex; justify-content: space-between; align-items: center;"> <div>  <p>RUSI www.rusi.org</p> </div> <div> <p>This Week</p> </div> <div>  <p>RUSI www.rusi.org</p> </div> </div> <p>https://mailchi.mp/rusi.org/thisweek-5july-166329?e=a539211a30</p>	

<p>Trump's Fighter Jet Sale to Taiwan Advances Despite China's Protests</p> <p>https://foreignpolicy.com/2019/07/03/trumps-fighter-jet-sale-to-taiwan-advances-despite-chinas-protests-f-16-lockheed-martin/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB07.05.19&utm_term=Editorial - Early Bird Brief</p>	
<p>First C295 for RCAF makes maiden flight</p> <p>https://ottawacitizen.com/news/national/defence-watch/first-c295-for-rcaf-makes-maiden-flight</p>	
<p>Three nations stage F-35 drills over southern Italy</p> <p>https://www.defensenews.com/global/europe/2019/07/03/three-nations-stage-f-35-drills-over-southern-italy/</p>	
<p>Innovating airmen use equipment from the 1950s to quickly refuel F-35s</p> <p>https://www.airforcetimes.com/news/your-air-force/2019/07/02/innovating-airmen-use-equipment-from-the-1950s-to-quickly-refuel-f-35s/</p>	
<p>Exclusive: Airbus, Boeing indicate they may pull out of Canada fighter jet race - sources</p> <p>https://www.reuters.com/article/somnia-idUSKCNIU32EX</p>	

<p>Tension between Iran, U.S. has implications for Canadian troops in Iraq: analysts</p> <p>https://globalnews.ca/news/5472851/us-iran-tension-impact-canadian-troops-iraq/</p>	
<p>Fighter jet firms mull pullout from Canadian competition – F-35 could be last plane standing</p> <p>https://ottawacitizen.com/news/national/defence-watch/fighter-jet-firms-mull-pullout-from-canadian-competition-f-35-could-be-last-plane-standing</p>	
<p>New Camera Could Help Drones See Through Camouflage</p> <p>https://www.defenseone.com/technology/2019/07/new-camera-could-help-drones-see-through-camouflage/158252/?oref=defenseone_today_nl</p>	
<p>Germany rebuffs US request for ground troops in Syria to fight ISIS</p> <p>https://www.militarytimes.com/flashpoints/2019/07/08/germany-rebuffs-us-request-for-ground-troops-in-syria-to-fight-isis/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB07.09.19&utm_term=Editorial - Early Bird Brief</p>	
<p>Duterte dares US to send 7th fleet to South China Sea</p> <p>https://www.cnnphilippines.com/news/2019/7/9/Rodrigo-Duterte-7th-Fleet-United-States.html?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2007.09.19&utm_term=Editorial%20-%20Early%20Bird%20Brief</p>	
<p>Keep Canada safe by building out the Army Reserve</p> <p>https://www.msn.com/en-ca/news/canada/matt-gurney-keep-canada-safe-by-building-out-the-army-reserve/ar-AAE1UZL?ocid=se</p>	

<p>Britain, France Agree to Send Additional Troops to Syria</p> <p>https://foreignpolicy.com/2019/07/09/britain-france-agree-to-send-additional-troops-increase-syria-us-withdrawal-uk/?utm_source=PostUp&utm_medium=email&utm_campaign=13956&utm_term=Editor#39;s Picks OC</p>	
<p>Canada's promised quick-reaction force of 200 peacekeepers yet to be registered with UN</p> <p>https://www.thestar.com/news/canada/2019/07/09/missing-in-action-promised-200-strong-force-yet-to-be-registered-with-un.html</p>	
<p>What the US needs to counter 'unprecedented' Chinese influence in South America</p> <p>https://www.defensenews.com/pentagon/2019/07/09/what-the-us-needs-to-counter-chinese-influence-in-south-america/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB07.10.19&utm_term=Editorial - Early Bird Brief</p>	
<p>Russia, China Offer Challenges in the Arctic</p> <p>https://www.defenseone.com/ideas/2019/07/russia-china-offer-challenges-arctic/158303/?oref=defense_one_breaking_nl</p>	
<p>Iranian boats attempted to seize a British tanker in the Strait of Hormuz</p> <p>https://www.cnn.com/2019/07/10/politics/iran-attempted-seize-british-tanker/index.html?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB07.11.19&utm_term=Editorial - Early Bird Brief</p>	
<p>Blast from the past: The Pentagon's updated war plan for tactical nukes</p> <p>https://www.militarytimes.com/news/your-military/2019/07/10/blast-from-the-past-the-pentagons-updated-war-plan-for-tactical-nukes/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB07.11.19&utm_term=Editorial - Early Bird Brief</p>	

Britain's new aircraft carrier springs a leak — again

https://www.defensenews.com/naval/2019/07/10/britains-new-aircraft-carrier-springs-a-leak-again/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB07.11.19&utm_term=Editorial - Early Bird Brief



Other

MIT Technology Review : Deepfakes may be a useful tool for spies

<https://www.technologyreview.com/f/613778/deepfakes-spies-espionage/>