



## Royal United Services Institute of Nova Scotia Dispatches

8 March 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](mailto:RUSINovaScotia@gmail.com) to be included in *Dispatches*. Comments to articles can be from members or non-members of RUSI(NS). Feedback is welcome anytime.

If you have not received *Dispatches* directly from RUSI(NS) but wish to do so, please contact the CIO. If you do not want to receive *Dispatches*, please inform the CIO.

Any content 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, email [admin@duncom.ca](mailto:admin@duncom.ca).

**RUSI(NS) Survey 2019.** Even if you have not completed your survey by the target date of 8 March 2019, please do so. Any return after 8 March may not get reported at our 2019 AGM but your input is still wanted. If you have not received a survey, please contact [RUSINovaScotia@gmail.com](mailto:RUSINovaScotia@gmail.com).

### **Request:**

Murray Brewster, reporter of CBC National Ottawa, is starting to prepare coverage for this year's anniversary of D-Day. He submitted a request to the CAF/DND seeking any D-Day survivors who are still alive with whom he could get in contact to interview. CAF/DND passed that request around, including to RUSI(NS). If you know of anyone, please email [RUSINovaScotia@gmail.com](mailto: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](mailto: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 March**, Tuesday - Atlantic Canada Aerospace & Defence Association session "Doing Business in the US." 0800-1200. Four Points Sheraton, 1496 Hollis Street, Halifax. See image at end of *Dispatches* and [https://mailchi.mp/fcc647f48ad1/us\\_business](https://mailchi.mp/fcc647f48ad1/us_business).

**12 March**, Tuesday – Dalhousie Faculty of Arts & Social Science Lecture "Hope & Despair About Democracy" by Eli Diamond, Department of Classics. 7-8 pm. Paul O'Regan Hall, Halifax Public Library Central Location. "This talk will travel back to the world's first democracy, Athenian democracy in the 5th century BCE, to consider the philosophical and political arguments for and against democratic regimes." See: <https://halifax.bibliocommons.com/events/5c3794c5a47b7c2000d8554e>

**13 March**, Wednesday - presentation and book signing of “Canadian Conscripts & the Great War: Myth & Legacy” by Colonel Patrick M. Dennis, OMM, CD, RCAF (ret’d). 7:30 pm. Room SB255, Sobey Building, Saint Mary's University. See poster at end of *Dispatches*.

**20 March**, Wednesday - Distinguished Speaker Chief Petty Officer First Class Craig MacFadgen, New Capabilities Introduction Detachment Halifax, titled "Introducing New Capabilities into the Navy." 1130-1330. Royal Artillery Park Officers' Mess.

**20 March**, Wednesday – RUSI(NS) **Annual General Meeting**. Following Distinguished Speaker. Royal Artillery Park Officers' Mess.

**5 April**, Friday - Distinguished Speaker TBA. 1130-1330. Royal Artillery Park Officers' Mess. **Note** that this is an impromptu event to take advantage of a senior officer’s visit from NDHQ.

**17 April**, Wednesday - Distinguished Speaker Corporal David Lane, RCMP, on human trafficking. 1130-1300. RCMP 'H' Division Headquarters. This will be a **registration-required** event. Note that this is a lunch event rather than our usual evening event with the RCMP. Email [RUSINovaScotia@gmail.com](mailto:RUSINovaScotia@gmail.com) if you wish to attend.

#### Publications:


**New:** RUSI(NS) Briefing “New Air Surveillance System,” by Ed Young, 4 March 2019  
<https://rusi-ns.ca/new-air-surveillance-system/>

The Military Institute of Windsor Communiqué Volume XXXVII Number 3 March 2019 is available on request to [RUSINovaScotia@gmail.com](mailto:RUSINovaScotia@gmail.com).

The United Services Institute of Nanaimo and North Island (USINNI) Newsletter Vol 27 No 03 March 2019 is available on request to [RUSINovaScotia@gmail.com](mailto:RUSINovaScotia@gmail.com).






RUSI(NS) Comments “Pilot Retention – Some Reminiscences,” 11 February 2019  
<https://rusi-ns.ca/pilot-retention-some-reminiscences/>

**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.

CAN  Parliamentary Budget Officer report "Fiscal Analysis of the Interim F-18 Aircraft" [https://www.pbo-dpb.gc.ca/en/blog/news/Interim\\_F\\_18\\_aircraft](https://www.pbo-dpb.gc.ca/en/blog/news/Interim_F_18_aircraft) "total estimated life cycle cost of 1.09 billion is some 22% higher than the @NationalDefence estimate" #RCAF @RCAF\_ARC  
RUSI(NS) retweeted: "Statement in response to Parliamentary Budget Officer’s Fiscal Analysis of Interim F-18 Aircraft" <https://www.canada.ca/en/department-national-defence/news/2019/03/statement-in-response-to-the-parliamentary-budget-officers-fiscal-analysis-of-the-interim-f-18-aircraft.html> Apparently part of diff between PBO& @NationalDefence figures is PBO removed contingency (\$130M) from DND numbers but kept project risk adjustments

How much will the purchase of the Australian F/A-18 fighter fleet cost the government of Canada?



<p>in their</p> <p>Canadian Armed Forces Operations @CFOperations 1 Mar tweeted: #HMCSToronto, deployed on #OpREASSURANCE, is in Italy! We're participating in @NATO-led Exercise DYNAMIC MANTA with 9 Allied nations starting today. Read more about it: <a href="https://www.nato.int/cps/en/natohq/news_164077.htm">https://www.nato.int/cps/en/natohq/news_164077.htm</a> (NATO navies practise anti-submarine tactics during Dynamic Manta)</p> <p>RUSI(NS) retweeted: "NATO's advanced Anti-Submarine Warfare Exercise Dynamic Manta begins in Italy" <a href="https://mc.nato.int/media-centre/news/2019/natos-advanced-antisubmarine-warfare-exercise-dynamic-manta-begins-in-italy.aspx">https://mc.nato.int/media-centre/news/2019/natos-advanced-antisubmarine-warfare-exercise-dynamic-manta-begins-in-italy.aspx</a> "excellent opportunity for NATO nations' naval forces to practice &amp; evaluate their anti-submarine skillset in a challenging environment" #ExcellenceAtSea Ex #DYNAMICMANTRA (NATO's advanced Anti-Submarine Warfare Exercise Dynamic Manta begins in Italy)</p>	 
<p>Canadian Armed Forces Operations @CFOperations 1 Mar tweeted and RUSI(NS) retweeted: #ExREADYRENAISSANCE comes to an end today! The exercise focuses on the Disaster Assistance Response Team (DART) and included participants from the @CanadianForces, Global Affairs Canada, @redcrosscanada, and the @UN. Read more: <a href="https://www.facebook.com/CAFOperations/posts/2493121620715138">https://www.facebook.com/CAFOperations/posts/2493121620715138</a></p>	
<p>Nice to read of musical tribute to @RCMPGRC police schooner ST ROCH, 1st ship to sail CAN🇨🇦 Northwest Passage west to east <a href="https://www.bowenlandundercurrent.com/news/st-roch-suite-pays-tribute-to-the-first-ship-to-sail-west-to-east-through-the-northwest-passage-1.23650384">https://www.bowenlandundercurrent.com/news/st-roch-suite-pays-tribute-to-the-first-ship-to-sail-west-to-east-through-the-northwest-passage-1.23650384</a> Looking forward to hearing Suite on CD (St. Roch Suite pays tribute to the first ship to sail west to east through the Northwest Passage)</p>	
<p>Saab AB @Saab 2 Mar tweeted: Saab and Damen offer to build submarines to replace the Dutch Walrus class, in balanced cooperation between the Netherlands and Sweden. This is what the project would look like and what it would mean for the naval industry of the Netherlands. More in video <a href="https://youtu.be/OWyHEPjNvGI">https://youtu.be/OWyHEPjNvGI</a> pic.twitter.com/N1S86gstFx (The new expeditionary submarine <a href="https://www.youtube.com/watch?v=OWyHEPjNvGI&amp;feature=youtu.be">https://www.youtube.com/watch?v=OWyHEPjNvGI&amp;feature=youtu.be</a>)</p> <p>RUSI(NS) retweeted: Watch who is building what conventional #submarines in years coming. CAN🇨🇦 needs replace #RCNavy</p>	

Victoria-class subs w combination manned (from foreign builder) & unmanned underwater vehicles. Must retain strategic underseas capability. National Shipbuilding Strategy #NSS round 2?

Dr. Malcolm Davis @Dr\_M\_Davis 2 Mar tweeted: A great piece by @ASPI\_org Executive Director Peter Jennings on choices in future force structure, & why we shouldn't let uninformed criticism go unanswered: The F-35 & future submarines are smart choices that need better explaining | <https://www.aspistrategist.org.au/the-f-35-and-future-submarines-are-smart-choices-that-need-better-explaining/> via @aspi\_org #ausdef  
RUSI(NS) retweeted: CAN can relate to this. Sometimes situation is not that a defence equipment is deficient but has been unfairly labelled & explanation not given to negate label. Public needs be wary, demand more info fm officials/media, understand how \$\$ spent, what options procurement allows  
CAN  
Comment: *Most Australians do not see Indonesia as a threat. That is mainly due to the fact that the Indonesian government has a lot of economic and social challenges that demand its full attention and the country really has no threatening neighbours.*



"New spill-response boats sit idle in Nanaimo, awaiting pipeline decision"  
<https://www.timescolonist.com/news/local/new-spill-response-boats-sit-idle-in-nanaimo-awaiting-pipeline-decision-1.23651002> Unfortunate that boats are not multi-role, could use idle time for other jobs. Train with @CoastGuardCAN, @RCN\_MRC, other fed depts in multi-agency emergency response?



Canadian Forces @CanadianForces 3 Mar tweeted and RUSI(NS) retweeted: To clarify NP's assertion - we will send \$90 million to Australia for 18 fighter aircraft. Other project costs and upgrades will be spent here in Canada.  
(NP View: Taxpayers pay even more for the Liberals' bad used-jet deal  
<https://nationalpost.com/opinion/np-view-taxpayers-pay-even-more-for-the-liberals-bad-used-jet-deal>)



RUSI(NS) briefing "New Air Surveillance System" <https://rusi-ns.ca/new-air-surveillance-system/> Automatic Dependent Surveillance–Broadcast (ADS-B) will greatly enhance CAN🇨🇦 & international air control & safety #RCAF @RCAF\_ARC  
*See also:* "Fly there faster? New satellite coverage promises to revolutionize air traffic control"  
<https://www.thestar.com/politics/federal/2019/02/01/fly-there-faster-new-satellite-coverage-promises-to-revolutionize-air-traffic-control.html>  
*Note the comments on ADS-B in:* "Here Come the Drones— And Their Security Holes"  
<https://www.nextgov.com/cybersecurity/2017/02/here-come-drones-and-their-security-holes/135703/>



CAN🇨🇦 underspending on defence procurement  
<https://www.ctvnews.ca/politics/feds-to-again-underspend-on-new-military-kit-threatening-nato-target-1.4320938> "previously blamed shortage of procurement experts for some project delays & cost overruns" What is delta between experts needed & available? What efforts to fill? Timelines?  
 @NationalDefence  
 (Feds to again underspend on new military kit, threatening NATO target)



Maritime Executive @Mar\_Ex 4 Mar tweeted: Is the Canadian Coast Guard Underfunded? <https://www.maritime-executive.com/editorials/is-the-canadian-coast-guard-underfunded> via @Mar\_Ex #maritime #coastgard #canada #arctic #icebreaker #cruise  
 RUSI(NS) retweeted: "When there is more ice, you need more icebreakers. When there is less ice, you need more icebreakers." "...urgent need to fund @CoastGuardCAN adequately so that it has necessary resources to provide essential services..."



"Canada & Russia are looking to deploy surveillance drones in Arctic"  
<https://nunatsiaq.com/stories/article/canada-and-russia-are-looking-to-deploy-surveillance-drones-in-the-arctic/>  
 "@Transport\_gc is considering use of a #drone to enhance safety&security surveillance capability of its National Aerial Surveillance Program to survey ice and oil spills in CANCA #Arctic"



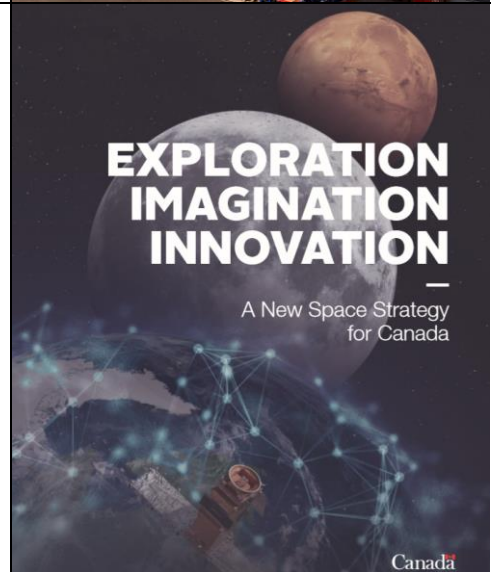
.@STRATCOMCOE Robotrolling 1/2019  
<https://stratcomcoe.org/robotrolling-20191>"analyses manipulation of information regarding #NATO presence in Baltic States & Poland on social media" "focuses on 2 main types of manipulation: automated activity fm robotic accounts & messaging fm fake human accounts"



Conference of Defence Associations @ConfDefAssc 6 Mar tweeted and RUSI(NS) retweeted: Emerging Lessons from the National Shipbuilding Procurement Strategy  
[https://www.cgai.ca/emerging\\_lessons\\_from\\_the\\_national\\_ship\\_building\\_procurement\\_strategy](https://www.cgai.ca/emerging_lessons_from_the_national_ship_building_procurement_strategy)



"Exploration, Imagination, Innovation - A New Space Strategy for Canada" <https://www.canada.ca/en/space-agency/news/2019/03/launching-canadas-space-strategy.html>  
<http://www.asc-csa.gc.ca/pdf/eng/publications/space-strategy-for-canada.pdf>



IAMSPonline @IAMSPonline 7 Mar tweeted: Speedboats and Kalashnikovs: Pirates Attack Oil Platforms in Mexico | Maritime Herald  
<http://www.maritimeherald.com/2019/speedboats-and-kalashnikovs-pirates-attack-oil-platforms-in-mexico/>  
pic.twitter.com/fbGzCDTT9e  
RUSI(NS) retweeted: Maritime piracy off the coast of North America. Not just a problem 'over there' at some other continent. This is the operating environment of our #RCNavy



**Posted on Facebook Royal United Services Institute NS with comments:**

China calls 'bunk' on Huawei threat as Canada's decision on Meng Wanzhou looms

<https://www.scmp.com/news/china/diplomacy/article/2188257/china-calls-bunk-huawei-threat-canadas-decision-meng-wanzhou>



A Canadian Connection

The article "China Calls 'Bunk' on Huawei Threat at Canada's Decision on Meng Wanzhou Looms" by Keegan Elmer in the South China Morning Post is interesting as it is not found in the usual Chinese government mouth pieces. It makes for interesting reading.

China calls for immediate release of Huawei executive Meng Wanzhou, reaffirms political nature of the case

<http://www.globaltimes.cn/content/1140634.shtml>



A Fallout from SNC-Lavalin Case

The article "China Calls for the Immediate Release of Huawei Executive Meng Wanzhou, Reaffirms Political Nature of Case" by Li Rouhan and Chen Qingqing of the Global Times shows an excellent example of how the Communist Chinese Party will seek to manipulate the legal and political internal affairs to their advantage. This article is typical of the type of disinformation campaign used to 'drum' up support for their point of view.

Meng Wanzhou was arrested based on an American request for extradition based mainly on alleged acts of fraud by Meng Wanzhou in her capacity as the Chief Financial Officer of Huawei, that the firm misled US banks in regard to two smaller firms that were actually doing business with Iran. There are also legal proceedings ongoing on two other small companies that were also doing business with both Iran and Syria. Ms Meng is accused of stating that none of these companies were connected to Huawei. The US has documentary evidence that they were in fact connected and that Huawei's actions resulted in fraudulent acts.

China tried to use this form of legal harassment and disinformation campaign on the US as well especially after the US President said he might use Meng Wanzhou as a bargaining chip. The US Department of Justice stated very clearly that "They don't do trade, just justice." China has been relatively quiet on that issue and has not taken aim against the US in quite the same way as they have with Canada.

The SNC-Lavalin case has given China the opportunity to poke fingers at Canada because of alleged political interference. China is using the problem to further muddy the waters. The Chinese Ambassador especially has used misinformation, half-truths and threats to push China's view. (Why he

is still in Canada is unknown, he is obviously ill-suited to the job.) What the Ambassador and the article don't state is that there will be very real consequences for the alleged political interference, something that won't happen in China. The CCP is unwilling to have rule of law and has taken great care to ensure that judges and prosecutors are "minions" of the party. As noted, many times before, China has no rule of law, merely fiat of the CCP.

Canada must stay the course in regard to the extradition. But no matter what that particular outcome, Canada must carefully analyse any future relationship with China while the CCP remains in power.

Official Statement of the Chinese Embassy to Canada  
(<http://www.globaltimes.cn/content/1140626.shtml>)

"The Chinese side is utterly dissatisfied with and firmly opposes the issuance of Authority to Proceed by the Department of Justice Canada on the case of Meng Wanzhou. This is not a merely judicial case, but a political persecution against a Chinese high-tech enterprise. The subsequent developments have proved this. The so-called "rule of law" and "judicial independence" asserted by Canada cannot cover up the mistakes made by the Canadian side on the case of Meng Wanzhou.

Judging from the obvious political interference presented on this case, if Canada really abides by the principle of rule of law and judiciary independence, the Canadian side should refuse the extradition request of the United States and immediately release Ms. Meng Wanzhou in accordance with the relevant provisions of the Extradition Act of Canada. The final result of the Canadian court to handle this case will be a touchstone for testing whether Canada adheres to the judicial independence or not. We will wait and see."

Tech Tent: 5G, Huawei and a question of trust

<https://www.bbc.com/news/technology-47416254>



The article "Tech Tent: 5G, Huawei and a question of Trust" part of the BBC Tech File by Rory Cellan-Jones, is an interesting point of view.

The article raises the question of the cost of Huawei equipment and whether it is being sold at an artificially low price to gain market access. A direct quote from the article by Mr David Rogers, a security consultant states: "The mobile networks have paid bottom dollar in a lot of cases for certain network equipment and that equipment might not be the same quality as other providers' and now they're reaping what they've sown." Cheap equipment is being provided at suspected below-market pricing to eliminate competition, which may not be fair if the company also has the backing of state power. It could leave the buyer only one choice in future as their system may not be compatible with other systems.

The problem is the very question he raises: "Can Huawei and other Chinese firms be trusted while under the very direct control of the Communist Chinese Party?"

5G is unlike anything available before. If one does not trust the country that owns the equipment manufacturer and one has concerns about a tech 'Pearl Harbour,' do you allow it into your infrastructure? Certainly, China actions leave one more than a little apprehensive.



Russia to build 2 nuclear destroyers for its Navy

<http://www.navyrecognition.com/index.php/news/defence-news/2019/march/6859-russia-to-build-2-nuclear-destroyers-for-its-navy.html>



20,000 tons and can “carry over a hundred precision Tsirkon, Kalibr or Onix missiles.” This isn’t a destroyer! Naval ship type nomenclature is going wonky (the US and UK are also at fault). Of course, the Soviets and Russians don’t type their ships like NATO. And it is unlikely that Russia can afford to build these ships.

Meng strikes back at US political persecution against Huawei

<http://www.globaltimes.cn/content/1140856.shtml>



A Chinese Point of View on Ms Meng's Legal action in the US and Canada

The article “Meng Strikes Back at US Political Prosecution Against Huawei” by the Global Times staff is a Chinese point of view in regard to Ms Meng’s legal action in both Canada and the United States. The Chinese Communist Party often uses the legal system in countries with a “rule of law” system. This contrasts to the alleged trial of Mr Schellenberg which lasted mere minutes and resulted in a death sentence in China. Ms Meng will be granted all the rights that are available to any citizen in Canada or the US. Legal actions could take years, potentially sufficient time to clean up and create an alternate set of evidence.

One suspects she knows a great deal of the activities of Huawei both legal and suspect. One has to wonder if the Communist Chinese Party is trying to hide their own actions through allegedly private Chinese companies. One might suspect the real reason for these actions is to cover their own corruption and more importantly to prevent further embarrassment to the “core leader” who has led the country to difficult economic times. The 13th National People’s Congress is taking place right now. One has to wonder whether there will be a show of real opposition to President Xi after the debacles of this year and a massive number of loans to failing Sovereign Owned Companies that will not help the necessary growth of China’s economy. China’s economy did much more poorly than 6.6% which was the official number used - some Asian financial analysts have put it at a considerably lower figure. China is an accident waiting to happen financially. The markets, with wishful thinking, think it may be too big to fail but it is not and it will be a mess. President Xi has led his country to a precarious position. Ms Meng’s legal actions are just one part of this mess.

Huawei says it would never hand data to China's government.  
Experts say it wouldn't have a choice

<https://www.cnb.com/2019/03/05/huawei-would-have-to-give-data-to-china-government-if-asked-experts.html>



This article is one of the more detailed treatments of the Huawei issue. It quotes from both Chinese laws that dictate public cooperation with their intelligence organs. It also contains the expertly translated Chinese arguments and denials on why those laws do not necessarily apply to Huawei in the 5G issue. You can judge yourself as to the reliability of these claims. The western experts consulted (and this author) were completely unconvinced. There seems no doubt that Huawei is and will be under pressure to cooperate with the People's Republic of China in intelligence collection. The article also contains the simple and effective Australian government statement on the issue (without naming Huawei): "the involvement of vendors who are likely to be subject to extrajudicial directions from a foreign government that conflict with Australian law, may risk failure by the carrier to adequately protect a 5G network from unauthorized access or interference."

Welcome to the U.S. Navy's Robotic Future

<https://nationalinterest.org/blog/buzz/welcome-us-navys-robotic-future-46167>



"The Navy...is planning to configure its new missile frigates as command vessels for future flotillas of robotic warships."

Will the future Canadian Surface Combatants (likely to be typed as frigates) be configured to control unmanned surface, subsurface and aerial vehicles (drones)? That configuration almost is an essential requirement for any future warship, especially one for which there are ambitions that it be globally deployable and employable.

China's multi-billion dollar media campaign 'a major threat for democracies' around the world

<https://www.abc.net.au/news/2019-02-08/chinas-foreign-media-push-a-major-threat-to-democracies/10733068>



This in-depth article covers China's \$9.3 billion campaign to expand its media coverage overseas. China's Central Global Television Network (CGTN), for example, is recruiting foreign journalists, buying up space in overseas media and expanding its state-owned networks. The network is seeking 350 reporters in London, England - 6000 applicants turned up in London for the first 90 reporter positions. Those hired will be required to "report the news from a Chinese perspective." President Xi has termed the media effort one of "telling China's story well" and this, the author argues, "means in no uncertain

terms joining the ever-growing propaganda apparatus of the CCP." In Australia the majority of the Chinese language media in the country is already owned or controlled by the Chinese state or its affiliates.

China-controlled news also dominates Chinese-speaking media in Canada. The only good news in this story is the fact that the Chinese Communist Party (CCP) media line is heavy handed and appears more designed to please the Party's rulers than the average Western citizen. Partly as a result, the article indicates that in Canada China's soft power push is still struggling. Regrettably, the Chinese media will improve as the article makes clear thousands of western media persons have been hired to get the Chinese message across.

In addition to seeking coverage that puts China in the best possible light, there is also an unadvertised intelligence gathering function. In Ottawa in 2012 Xinhua reporter Mark Bourrie was assigned to cover a visit by the Dalai Lama and was asked to find out what was said in a private meeting between then Prime Minister Stephen Harper and the Tibetan spiritual leader. He did, but his editor canceled his article and instead reported the data back to China. Mark Bourrie then resigned.

The only visible counteraction has been in the US where the CGTN and China's state-run media agency Xinhua were ordered to register as foreign agents over fears they could be used as tools for political interference. So while the Chinese media gets wholesale access to Western media, the article points out that in China most Western media are regularly blocked. China itself is at the bottom in terms of media freedom. "Reporters without Borders" World Press Freedom index ranks China 176 out of 180 countries.

What is Emissary Panda, and how does it hack its targets?

<https://www.cbc.ca/news/canada/montreal/emissary-panda-chinese-hackers-cyberattack-icao-1.5034177>



A group of suspected Chinese cyberspies had much to gain from hacking ICAO

This article covers the 2016 hack of the Montréal-based International Civil Aviation Organization (ICAO) by Emissary Panda, "a sophisticated and stealthy espionage group with ties to the Chinese government." The hackers' intent was to hack ICAO as that organization, if successfully penetrated, would give their malware access to scores of national airlines' and aviation companies' networks. The hack, known as a "water hole" attack, was successful in large measure due to the misplaced efforts of the ICAO staff to deny and cover up the breach. Emissary Panda, by the way, is also known as TG-3390, APT 27 and Bronze Union, and the article outlines how the defender's deduced its Chinese origins.

Oh no Xi didn't?! China's hackers nick naval tech blueprints, diddle with foreign elections to boost trade – new claim

[https://www.theregister.co.uk/2019/03/05/chinas\\_navy\\_hacking/](https://www.theregister.co.uk/2019/03/05/chinas_navy_hacking/)

This report covers the five year effort of the suspect Chinese hacking group APT 40. The report stated that "In addition to the tried-and-true methods of spear-phishing victims with poisoned attachments to open, the APT40 group also seeded specific webpages with exploit code that tried to install backdoor malware on systems when visited by targets. If infected, the computers could be remotely controlled and spied upon." APT 40's initial objective was to steal Western naval secrets including blueprints. Unfortunately, the article claims the group is now focused on influencing foreign elections.

## Putin Wants His Own Internet

<https://www.bloomberg.com/news/articles/2019-03-05/vladimir-putin-wants-his-own-internet>



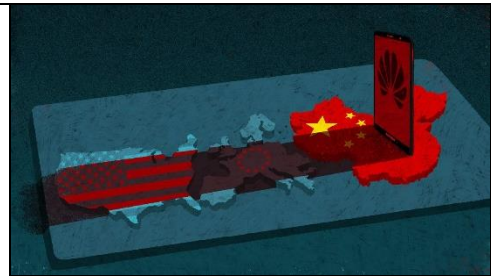
The Russians and Chinese are both getting better at monitoring and censoring the internet. This is another step also being considered by China, Iran and other “famous democracies.”

Although this is not strictly a Chinese article, one has to wonder the level of cooperation between China and Russia. This is not easy to glean as China and Russia have really hated each other for years and have fought wars as in 1969, the last big fight along the Amur River, where thousands were killed. Mind you Russia is now advertising for Chinese settlers for Siberia. I often have wondered how the common Russian citizen feels about being “sold” to China for ‘thirty pieces of silver’ (actually about 400B USD) in the long term? It was a way to get cash as sanctions kicked in from the West.

The concept of a separate Chinese or Russian internet sounds good but takes away from the internet as it also eliminates ideas and advancements from the rest of the world. It is definitely double edged at best. The internet is supposed to be open to ideas and not be used to shut them down. It is a difficult concept for “famous democracies” such as mentioned above. Some of the more recent articles have also shown that Chinese netizens, which includes academia, are not happy with the great firewall. It kills ideas and causes greater mistrust of Chinese researchers who are often seen as pawns of the Communist Chinese Party. It eliminates future possibilities with the West.

## Huawei: The story of a controversial company

<https://www.bbc.co.uk/news/resources/idt-sh/Huawei>



This article is worth a read as it essentially breaks down the arguments for and against Huawei. For those who do not like to read, there are some great pictures of the Huawei campuses for research. There are real concerns about Huawei. There are also concerns about Huawei’s technical advances. A short while ago Huawei was in danger of losing access to US-produced chips which would have crippled the company and its 5G effort. It does not sound all powerful as a result and possibly may have major technical problems without US government and business assistance and cooperation.

What is very clear is that the role of the Chinese Communist Party both inside and outside the company causes great concern to others. The continued problems of intellectual property theft and other illegal actions have help create that doubt. The bottom line is as always, can Huawei be trusted given China’s actions in that past with company officers who do not obey the requests of the Chinese Communist Party? The answer is still the same so long as the CCP is in power, and that answer is a resounding ‘no.’

Article – Implementing the Decisive Action Training Environment

<https://www.cove.org.au/trenchline/article-implementing-the-decisive-action-training-environment/>



"The Australian Army is introducing a new opposing force as part of the Decisive Action Training Environment, commonly known as 'DATE.' This will replace the Musorian Forces doctrine which has been used for the past few decades."

Forces Command Media @FORCOMDMedia tweeted that "DATE will integrate a dynamic adversary to challenge us to train under conditions of increased uncertainty."

Hmm, I wonder how DATE compares to the various opposing forces (OPFOR, Orange, various other colours) used by the Canadian Armed Forces for training and exercises.

The Canadian Army has used DATE since 2013 or so. The system is also used by Calian, a contractor supporting Canadian Army training.

Is the Canadian Coast Guard Underfunded?

[https://www.maritime-executive.com/editorials/is-the-canadian-coast-guard-underfunded?fbclid=IwAR1q\\_-bFrrb765dLEDDDKumP9PZNtgy6R7qrQFg6cRIzpizkcvQ81NICfal](https://www.maritime-executive.com/editorials/is-the-canadian-coast-guard-underfunded?fbclid=IwAR1q_-bFrrb765dLEDDDKumP9PZNtgy6R7qrQFg6cRIzpizkcvQ81NICfal)



"It has also been suggested that it may be better to move (the Canadian Coast Guard) to Transport Canada. Another option would be to move it back to the Department of National Defence where it used to be."

With respect, that statement is not true. The Canadian Coast Guard has NEVER been part of the Department of National Defence.

In fact, the unbroken line of civilian marine service in Canada (under various names and under various departments) predates the founding of the Royal Canadian Navy (1910) by more than 43 years.

The Canadian Coast Guard was founded in January 1962; however the agency existed for nearly a century before that, under different names and under a variety of Ministries (at times split between the Fisheries Patrol and Hydrographic Survey missions in one department, and the Lighthouse Supply and Icebreaking missions in another.

The civilian marine service has continued unbroken since prior to Confederation. The Department of Marine and Fisheries was actually founded in 1870, carrying out and expanding the role of the Trinity House service in Quebec (Lower Canada) dating back to 1805.

Also, who is suggesting moving the CCG back to Transport Canada? TC removed itself from its operational responsibilities in 1995.

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.

How to End the Worst India-Pakistan Crisis in a Generation

[https://www.defenseone.com/ideas/2019/02/ending-india-pakistan-crisis-requires-courageous-narendra-modi/155205/?oref=defenseone\\_today\\_nl](https://www.defenseone.com/ideas/2019/02/ending-india-pakistan-crisis-requires-courageous-narendra-modi/155205/?oref=defenseone_today_nl)



NATO steps up naval presence on the Black Sea

<https://www.dw.com/en/nato-steps-up-naval-presence-on-the-black-sea/a-47732883>



Sweden Arrests Suspected Russian Spy

[https://www.npr.org/2019/02/28/698891898/sweden-arrests-suspected-russian-spy?utm\\_campaign=storyshare&utm\\_source=twitter.com&utm\\_medium=social&utm\\_term=Editorial%20-%20Early%20Bird%20Brief](https://www.npr.org/2019/02/28/698891898/sweden-arrests-suspected-russian-spy?utm_campaign=storyshare&utm_source=twitter.com&utm_medium=social&utm_term=Editorial%20-%20Early%20Bird%20Brief)



Gibraltar Will Never Accept Shared Sovereignty

[https://foreignpolicy.com/2019/02/28/gibraltar-will-never-accept-shared-sovereignty-uk-spain-brex/?utm\\_source=PostUp&utm\\_medium=email&utm\\_campaign=11576&utm\\_term=Flashpoints%20OC](https://foreignpolicy.com/2019/02/28/gibraltar-will-never-accept-shared-sovereignty-uk-spain-brex/?utm_source=PostUp&utm_medium=email&utm_campaign=11576&utm_term=Flashpoints%20OC)



Fighter jet dogfight – DND and PBO differ over upgrade costs on used Australian F-18s

<https://ottawacitizen.com/news/national/defence-watch/fighter-jet-dogfight-dnd-and-pbo-differ-over-upgrade-costs-on-used-australian-f-18s>



DND extends life of submarine escape suits beyond expiry date as fleet shows its age

<https://www.cbc.ca/news/SOMNIA-1.5036007>



Huawei CFO Meng Wanzhou’s extradition case will go ahead, Canada says after ‘thorough review of evidence’

<https://www.scmp.com/news/china/article/2188328/huawei-executive-meng-wanzhous-extradition-case-will-go-ahead-canada-says>



China invokes SNC-Lavalin controversy to advocate for Huawei exec's release

<https://www.cbc.ca/news/SOMNIA-1.5038640>



Senior Defence figure raises concerns about future cyber attacks — and the scenario costing him sleep

<https://www.abc.net.au/news/2019-02-19/australian-army-under-cyber-attack-major-general-marcus-thompson/10822966>



No Deal, No Data? The Future of UK–EU Law Enforcement Information Sharing

[https://rusi.org/publication/briefing-papers/no-deal-no-data-future-uk%E2%80%93eu-law-enforcement-information-sharing?utm\\_source=RUSI+Newsletter&utm\\_campaign=98cd1fc244-EMAIL\\_CAMPAIGN\\_2018\\_08\\_31\\_04\\_21\\_COPY\\_01&utm\\_medium=email&utm\\_term=0\\_0c9bbb5ef0-98cd1fc244-47709521](https://rusi.org/publication/briefing-papers/no-deal-no-data-future-uk%E2%80%93eu-law-enforcement-information-sharing?utm_source=RUSI+Newsletter&utm_campaign=98cd1fc244-EMAIL_CAMPAIGN_2018_08_31_04_21_COPY_01&utm_medium=email&utm_term=0_0c9bbb5ef0-98cd1fc244-47709521)



Gen. Vance announces new appointments of colonels and RCN captains

<https://ottawacitizen.com/news/national/defence-watch/gen-vance-announces-new-appointments-of-colonels-and-rcn-captains>



Canadian special forces from Petawawa wrap up African exercise

<https://ottawacitizen.com/news/national/defence-watch/canadian-special-forces-from-petawawa-wrap-up-african-exercise>



China accuses detained Canadians of stealing state secrets

<https://www.cbc.ca/news/SOMNIA-1.5041436>





Meng Wanzhou files civil claim against CBSA, RCMP and federal government

<https://www.cbc.ca/news/SOMNIA-1.5041064>



Feds to again underspend on new military kit, threatening NATO target

<https://www.ctvnews.ca/feds-to-again-underspend-on-new-military-kit-threatening-nato-target-1.4320938>



New Air Surveillance System

<https://rusi-ns.ca/new-air-surveillance-system/>



China to raise defence spending by 7.5%, lower than 2018

[https://www.afp.com/en/news/3954/china-raise-defence-spending-75-lower-2018-doc-1e80f66?utm\\_source=Sailthru&utm\\_medium=email&utm\\_campaign=EBB%2005.03.19&utm\\_term=Editorial%20-%20Early%20Bird%20Brief](https://www.afp.com/en/news/3954/china-raise-defence-spending-75-lower-2018-doc-1e80f66?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2005.03.19&utm_term=Editorial%20-%20Early%20Bird%20Brief)



Philippine Official, Fearing War With China, Seeks Review of U.S. Treaty

[https://www.nytimes.com/2019/03/05/world/asia/philippines-defense-treaty-us.html?action=click&module=Latest&pgtype=Homepage&utm\\_source=Sailthru&utm\\_medium=email&utm\\_campaign=EBB%2005.03.19&utm\\_term=Editorial%20-%20Early%20Bird%20Brief](https://www.nytimes.com/2019/03/05/world/asia/philippines-defense-treaty-us.html?action=click&module=Latest&pgtype=Homepage&utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2005.03.19&utm_term=Editorial%20-%20Early%20Bird%20Brief)



HACK ATTACK: North Korean hackers hit US and European banks, oil and gas companies even as Donald Trump met with Kim Jong-un in Vietnam

[https://www.thesun.co.uk/news/8555223/north-korean-hackers-hit-us-european-banks-trump/?utm\\_source=Sailthru&utm\\_medium=email&utm\\_campaign=EBB%2005.03.19&utm\\_term=Editorial%20-%20Early%20Bird%20Brief](https://www.thesun.co.uk/news/8555223/north-korean-hackers-hit-us-european-banks-trump/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2005.03.19&utm_term=Editorial%20-%20Early%20Bird%20Brief)



Emerging Lessons from the National Shipbuilding Procurement Strategy

[https://www.cgai.ca/emerging\\_lessons\\_from\\_the\\_national\\_shipbuilding\\_procurement\\_strategy?utm\\_campaign=mack\\_nsslessons&utm\\_medium=email&utm\\_source=cdfai](https://www.cgai.ca/emerging_lessons_from_the_national_shipbuilding_procurement_strategy?utm_campaign=mack_nsslessons&utm_medium=email&utm_source=cdfai)



Don't Sell F-35 To Turkey If It Buys Russian SAMs: Top NATO General

[https://www.defenseone.com/business/2019/03/dont-sell-f-35-turkey-if-it-buys-russian-sams-top-nato-general/155318/?oref=defense\\_one\\_breaking\\_nl](https://www.defenseone.com/business/2019/03/dont-sell-f-35-turkey-if-it-buys-russian-sams-top-nato-general/155318/?oref=defense_one_breaking_nl)



Damaged Cyclone helicopter now repaired, test flights underway

<https://ottawacitizen.com/news/national/defence-watch/damaged-cyclone-helicopter-now-repaired-test-flights-underway?fbclid=IwAR2TRsiMNjX1HMIVRMNmmsqRyTED40bTp4YoMvUo4tFxJRP9VW9KEKcwMBw>



India's Dogfight Loss Could Be a Win for U.S. Weapons-Makers

[https://foreignpolicy.com/2019/03/05/indias-dogfight-loss-could-be-a-win-for-u-s-weapons-makers-lockheed-boeing-pakistan/?fbclid=IwAR3tCodsKcm--6QvIsJji6uUzTz\\_wa5siZNBE\\_BzVM-MMvKUHU2LfuvHd0U](https://foreignpolicy.com/2019/03/05/indias-dogfight-loss-could-be-a-win-for-u-s-weapons-makers-lockheed-boeing-pakistan/?fbclid=IwAR3tCodsKcm--6QvIsJji6uUzTz_wa5siZNBE_BzVM-MMvKUHU2LfuvHd0U)



North Korea rebuilds part of missile site as Bolton warns of more sanctions

[https://www.reuters.com/article/us-northkorea-usa-nuclear/north-korea-rebuilds-part-of-missile-site-as-bolton-warns-of-more-sanctions-idUSKCN1QM1ZA?utm\\_source=Sailthru&utm\\_medium=email&utm\\_campaign=EBB+3.6.19&utm\\_term=Editorial+-+Early+Bird+Brief&fbclid=IwAR38VfurU3SnU\\_VgNMOfy3sZabiK-3eN324MINNXm3QTAQngS7UPHRRjN40](https://www.reuters.com/article/us-northkorea-usa-nuclear/north-korea-rebuilds-part-of-missile-site-as-bolton-warns-of-more-sanctions-idUSKCN1QM1ZA?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB+3.6.19&utm_term=Editorial+-+Early+Bird+Brief&fbclid=IwAR38VfurU3SnU_VgNMOfy3sZabiK-3eN324MINNXm3QTAQngS7UPHRRjN40)



PLA set to adopt new tactical missile system

[https://www.janes.com/article/87032/pla-set-to-adopt-new-tactical-missile-system?utm\\_source=Sailthru&utm\\_medium=email&utm\\_campaign=EBB+3.6.19&utm\\_term=Editorial+-+Early+Bird+Brief&fbclid=IwAR1GO4epSUXU4cvzeJWFMcgBRWScj4O2PSBUF7gRXpYz2EEyr-YKmRHCps](https://www.janes.com/article/87032/pla-set-to-adopt-new-tactical-missile-system?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB+3.6.19&utm_term=Editorial+-+Early+Bird+Brief&fbclid=IwAR1GO4epSUXU4cvzeJWFMcgBRWScj4O2PSBUF7gRXpYz2EEyr-YKmRHCps)



Canadian Forces looking at recruiting elite, special-forces soldiers right off the street

<https://globalnews.ca/news/5029229/canada-special-forces-soldiers-recruit-street/>



US Air Force's new trainer jet could become its next light-attack or aggressor aircraft

[https://www.defensenews.com/digital-show-dailies/afa-air-space/2019/03/06/air-forces-new-trainer-jet-could-become-its-next-light-attack-or-aggressor-aircraft/?utm\\_source=Sailthru&utm\\_medium=email&utm\\_campaign=ebb%2007.03.19&utm\\_term=Editorial%20-%20Early%20Bird%20Brief](https://www.defensenews.com/digital-show-dailies/afa-air-space/2019/03/06/air-forces-new-trainer-jet-could-become-its-next-light-attack-or-aggressor-aircraft/?utm_source=Sailthru&utm_medium=email&utm_campaign=ebb%2007.03.19&utm_term=Editorial%20-%20Early%20Bird%20Brief)



Top US general in Europe wants to keep China out of 5G networks

[https://www.c4isrnet.com/it-networks/2019/03/06/top-us-general-in-europe-wants-to-keep-china-out-of-5g-networks/?utm\\_source=Sailthru&utm\\_medium=email&utm\\_campaign=ebb%2007.03.19&utm\\_term=Editorial%20-%20Early%20Bird%20Brief](https://www.c4isrnet.com/it-networks/2019/03/06/top-us-general-in-europe-wants-to-keep-china-out-of-5g-networks/?utm_source=Sailthru&utm_medium=email&utm_campaign=ebb%2007.03.19&utm_term=Editorial%20-%20Early%20Bird%20Brief)



Huawei sues US over security ban on firm's products

[https://www.dw.com/en/huawei-sues-us-over-security-ban-on-firms-products/a-47803585?utm\\_source=Sailthru&utm\\_medium=email&utm\\_campaign=ebb%2007.03.19&utm\\_term=Editorial%20-%20Early%20Bird%20Brief](https://www.dw.com/en/huawei-sues-us-over-security-ban-on-firms-products/a-47803585?utm_source=Sailthru&utm_medium=email&utm_campaign=ebb%2007.03.19&utm_term=Editorial%20-%20Early%20Bird%20Brief)



The US-China Tech War Is Being Fought in Central Europe

[https://www.defenseone.com/ideas/2019/03/us-china-tech-war-being-fought-central-europe/155343/?oref=defenseone\\_today\\_nl](https://www.defenseone.com/ideas/2019/03/us-china-tech-war-being-fought-central-europe/155343/?oref=defenseone_today_nl)



Used Australian F-18s will fly 160 hours annually for RCAF

<https://ottawacitizen.com/news/national/defence-watch/used-australian-f-18s-will-fly-160-hours-annually-for-rcaf>



### Other Sources:

#### #aircraft

The Avro Arrow – 10 Surprising Facts About Canada's Legendary Lost Fighter Jet

<https://militaryhistorynow.com/2019/02/14/the-avro-arrow-10-surprising-facts-about-canadas-legendary-lost-fighter-jet/>

#### #Arctic

Report to Congress on Changes in the Arctic

<https://news.usni.org/2019/03/06/report-congress-changes-arctic-5>

#### #armament

Canada's WWII-era Brownings still putting in work

<https://www.guns.com/news/2019/02/25/canadas-wwii-era-brownings-still-putting-in-work>

History for those tracking the CAF's ongoing pistol procurement project.

## **#careers**

Being or Doing in the Air Force

<https://warontherocks.com/2019/02/being-or-doing-in-the-air-force/>

## **#China**

China–UK Relations: Where to Draw the Border Between Influence and Interference?

<https://rusi.org/publication/occasional-papers/china-uk-relations-where-draw-border-between-influence-and>

## **#culture**

The Marine Corps is ‘paranoid,’ the Navy does not play with others. This new study analyzes the effects of service rivalries.

<https://www.militarytimes.com/news/your-military/2019/02/28/the-marine-corps-is-paranoid-the-navy-does-not-play-with-others-this-new-study-analyzes-the-effects-of-service-rivalries/>

Hmm, what would a Canadian version of this report look like. Some parallelisms? Our own cultural perspectives (oddities)?

RAND study "Movement and Maneuver - Culture and the Competition for Influence Among the U.S. Military Services"

[https://www.rand.org/pubs/research\\_reports/RR2270.html](https://www.rand.org/pubs/research_reports/RR2270.html)

## **#cyber operations**

What to Make of Cyber Command’s Operation Against the Internet Research Agency

<https://www.lawfareblog.com/what-make-cyber-commands-operation-against-internet-research-agency>

Organising a Government for Cyber: The Creation of the UK’s National Cyber Security Centre

<https://rusi.org/publication/occasional-papers/organising-government-cyber-creation-uk’s-national-cyber-security>

Lessons Not Learned: Why Our Post-9/11 Counterterrorism Experiences Should Inform Our Cybersecurity Strategy

<https://mwi.usma.edu/lessons-not-learned-post-9-11-counterterrorism-experiences-inform-cybersecurity-strategy/>

## **#drones**

Respect for Persons and the Ethics of Autonomous Weapons and Decision Support Systems

<https://thestrategybridge.org/the-bridge/2019/3/4/respect-for-persons-and-the-ethics-of-autonomous-weapons-and-decision-support-systems>

## **#information operations**

The Navy’s vision in a new era of information warfare

<https://www.c4isrnet.com/c2-comms/2019/02/28/the-navys-vision-in-a-new-era-of-information-warfare/>

Putting a Spotlight on Information

<https://www.afcea.org/content/putting-spotlight-information>

8 Simple Rules to Save Yourself From Social Media Embarrassment

<https://news.clearancejobs.com/2019/02/19/8-simple-rules-to-save-yourself-from-social-media-embarrassment/>

Russian General Pitches ‘Information’ Operations as a Form of War

<https://www.nytimes.com/2019/03/02/world/europe/russia-hybrid-war-gerasimov.html>

The Royal Family Just Released an Intense Set of Social Media Guidelines to Combat Trolls

<https://www.cosmopolitan.com/entertainment/a26618041/royal-family-social-media-guidelines-investigate-trolls/>

If you're looking for royal guidance on information operations.

## **#leadership**

The Quarterback, the Commander, and the CEO: The Art of Gratitude

<https://fromthegreennotebook.com/2019/03/01/the-quarterback-the-commander-and-the-ceo-the-art-of-gratitude/>

3 Ks of Leadership – Part 2

<https://thearmyleader.co.uk/kick-kuddle-3-ks-leadership/>

## **#naval warfare**

Operationalizing Distributed Maritime Operations

<http://cimsec.org/operationalizing-distributed-maritime-operations/39831>

## **#professional military education**

Start. Just Start – PME and the fear of writing.

<https://logisticsinwar.com/2019/03/01/start-just-start-pme-and-the-fear-of-writing/>

And I'll add – write for RUSI(NS)!

‘Education for the Masses’ – Is it Time to Revolutionise PME?

<https://wavellroom.com/2018/11/27/education-revolution-professional-military-education/>

## **#Royal Canadian Navy**

Your Navy Today - February 2019

<http://www.navy-marine.forces.gc.ca/en/news-ynt/2019/02-your-navy-today.page>

## **#search and rescue**

The Origins of the Search and Rescue Helicopter

<https://www.maritime-executive.com/editorials/the-origins-of-the-search-and-rescue-helicopter>

We're come a long way!

## **#special operations**

Sunset of the Royal Marines; Sunrise of the Future Commando Force.

<https://puzzlepalace1664.wordpress.com/follower-articles/sunset-of-the-royal-marines-sunrise-of-the-future-commando-force/>

“White-SOF” and “Black-SOF.” Terms to watch. And the UK is developing special ships to support such forces. US already has. A way ahead for (at least, first rate) navies?

## #staff

The Elusion of Critique: On Developing Critical Approaches in Defence Discourse

<https://defenceindepth.co/2019/03/01/the-elusion-of-critique-on-developing-critical-approaches-in-defence-discourse/>

## #United States Navy

Here's what Big Navy says it's doing to fix the surface fleet

<https://www.navytimes.com/news/your-navy/2019/02/28/heres-what-big-navy-says-its-doing-to-fix-the-surface-fleet/>

Readiness Reform Oversight Committee mandate: make US Navy a safer and more combat-effective force that places the safety, readiness and training of people first. List of reforms at:

<http://navylive.dodlive.mil/2019/02/26/readiness-reform-oversight-committee-one-year-later/>

## #war

Neophilia, Presentism, and their Deleterious Consequences for Western Military Strateg

<https://mwi.usma.edu/neophilia-presentism-deleterious-consequences-western-military-strategy/>

"Precision-enabled, combined-arms warfare, despite its dependence on vulnerable networked information, is still the key to success in war."

## Other:

### #Promotions and appointments

Gen. Vance announces new appointments of colonels and RCN captains

<https://ottawacitizen.com/news/national/defence-watch/gen-vance-announces-new-appointments-of-colonels-and-rcn-captains>



#### When:

March 12 | 8:00 - 12:00

#### Where:

**In person:** Four Points Sheraton, Navigator Room, 1496 Hollis Street, Halifax

**Webinar:** Link to be emailed

Member rate: \$20

Non-member rate: \$30

[Details & Registration](#)

see:

[https://mailchi.mp/fcc647f48ad1/us\\_business](https://mailchi.mp/fcc647f48ad1/us_business)

### Doing Business in the US

Topics include:

- Working in US Defence Markets
- Trade with the US DoD
- US Tax Reform & Canadian considerations
- CanExport program enhancements

Speakers from:

- [LSI Business Development](#)
- Canadian Commercial Corporation ([CCC](#))
- KPMG
- Global Affairs Canada
- [Trade Commissioner Service \(Boston\)](#)

Join us in person in Halifax or via webinar.

*The session will be immediately followed by the CCAA National Labour Market Strategy Update.*

Best sign ever.

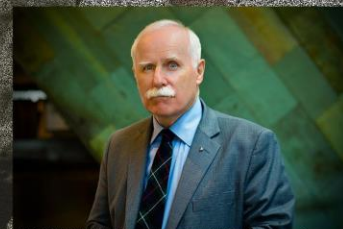






# CANADIAN & CONSCRIPTS THE GREAT WAR: MYTH & LEGACY

PRESENTATION  
& BOOK SIGNING  
BY PATRICK DENNIS



JOIN US  
WEDNESDAY, MARCH 13TH  
7:30PM

Saint Mary's University  
Sobey Building  
Room SB255  
903 Robie Street  
Halifax, NS

[patrickmdennis.com](http://patrickmdennis.com)



[www.ubcpres.ca](http://www.ubcpres.ca)  
thought that counts

