



Royal United Services Institute of Nova Scotia

Dispatches

7 February 2020

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

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

If you are not a routine recipient of *Dispatches* but wish to be so, email the Institute's Chief Information Officer (CIO) at RUSINovaScotia@gmail.com. If you do not want to receive *Dispatches*, or wish to receive it at some different frequency, please inform the CIO. If you wish to receive *Dispatches* at a different address (i.e., not your work address), please inform the CIO. Past editions of *Dispatches* may be requested by contacting the CIO.

Everyone is encouraged to email to the CIO links and other content to be included in *Dispatches*.

Submissions and feedback are welcome anytime. Comments to articles can be from members or non-members of RUSI(NS). Any comment in *Dispatches* is the sole opinion of the author and does not necessarily represent the views of the Canadian Department of National Defence, the Canadian Armed Forces, the Royal Canadian Mounted Police or the Royal United Services Institute of Nova Scotia

RUSI(NS) also publishes a weekly *Defence & Security Newsletter*, aimed at opinion leaders and industry. If you are interested in receiving the newsletter, or want past editions, email admin@duncom.ca.

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

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

Events:

To list an event in *Dispatches*, email the CIO by noon Thursday. RUSI(NS) events are by invitation only. If you are interested in attending and have not been invited, email RUSINovaScotia@gmail.com. RUSI(NS) events may be cancelled at short notice – email RUSI(NS) if there is a question of an event occurring.

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.

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

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

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

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

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

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

Recent Publications:

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

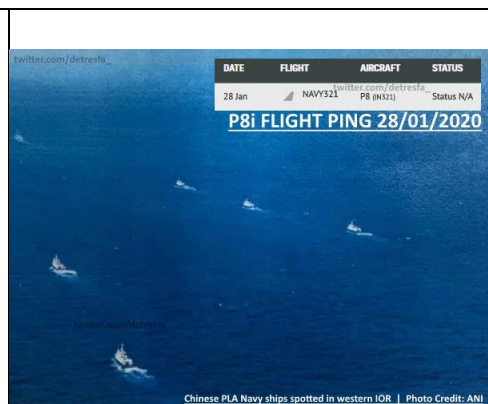
The United Services Institute of Nanaimo and North Island (USINNI) Newsletter VOL 28 NO 02 - FEBRUARY 2020 is available on request to RUSINovaScotia@gmail.com.

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

Bravo420 @OSINT420 28 Jan tweeted: Report from #India :- An #IndianNavy aircraft has spotted the movement of a #Chinese distant-water fishing fleet, supported by PLAN #China ships, in the western #IndianOceanRegion enroute to #Morocco, additionally flight data shows a #P8i was airborne as well (location unknown)

Blair Gilmore @BlairGilmore13 Jan 28 replied: Chinese fishing is raping the ocean off of Africa. This is why RCN MCDVs are sent to the region as part of OP Projection. The Africans barely have the means to ID the Chinese ships let alone confront them. Interesting they're being escorted by their navy.

RUSI(NS) retweeted: Interesting employment for a navy,



escorting 'fishing fleet' to fishing ground off another state's coast. Chinese use of naval power in support of commercial/economic warfare? 2 #RCNavy Kingston-class vessels en route west Africa for training local security against misuse of seas

RCN CCPO1 @CFB_Hfx_CPO1 1 Feb tweeted and RUSI(NS) retweeted: #BOA75 Morale Badge coming soon to an RCN near you. MTF.



NATO Association @NATOCanada 30 Jan tweeted and RUSI(NS) retweeted: Chinese involvement in 5G infrastructure has been in the spotlight with the recent decisions by the UK and EU. The NATO Association's Nicole Dougherty explores this issue and the possibility of intellectual property theft, using the example of Nortel. (Why Canada should be wary of Huawei: Lessons from Nortel <http://natoassociation.ca/why-canada-should-be-wary-of-huawei-lessons-from-nortel/>)



#RCAF "8 Wing delivers relief to fire-ravaged Australia" <https://www.intelligencer.ca/news/local-news/8-wing-delivers-relief-to-fire-ravaged-australia> Strategic&tactical airlift good means to spt foreign policy/internat'l relations especially for humanitarian assistance/disaster relief #HADR. Bravo @RCAF_ARC!
#OpRENAISSANCE <https://www.canada.ca/en/department-national-defence/services/operations/military-operations/current-operations/operation-rennaissance.html>



RUSI(NS) Information Paper "Keel-Laying" <https://rusi-ns.ca/keel-laying-2/> Keel of future HMCS PROTECTEUR, 1st replenishment oiler being built by Seaspan Shipyards @MoreThanShips for Joint Support Ship project for #RCNavy @RCN_MRC, was laid 16 January 2020



Amber Comisso @cdnavylady 3 Feb tweeted and RUSI(NS) retweeted: Hey @RoyalCanNavy colleagues, here's your chance to have your say about the Canadian Surface Combatant (CSC) design. Don't miss this important opportunity to have your opinion heard on what matters to you!

(Canadian Surface Combatant Habitability Survey <https://www.surveymonkey.com/r/L8Z8F62>)



Transport Canada @Transport_gc building new National Aerial Surveillance Program Complex in Iqaluit, Nunavut, to support northern/#Arctic operations

<https://www.marinelink.com/news/canada-boosts-marine-surveillance-475260> Development of northern infrastructure including bases excellent way to confirm CAN 🇨🇦 sovereignty of #Arctic



Posted on Facebook Royal United Services Institute NS with comments:

France to decide where to dismantle Clemenceau-class aircraft carrier

<https://navaltoday.com/2020/01/30/france-to-decide-where-to-dismantle-clemenceau-class-aircraft-carrier/>



Putting aside the reporter's use of terms (see: "Breaking Up Former Canadian Warships" <https://rusi-ns.ca/breaking-up-former-canadian-warships/>) it is interesting to read that France retained responsibility and authority over the location for breaking FOCH/SAO PAUL. "The contractual clause in the sale of the Foch to Brazil gives France the last say in where the aircraft carrier can be dismantled." An interesting string attached to the original ship sale. Maybe put in place because of the issues earlier with CLEMENCEAU. A disincentive for future sale ('cascading') of elderly and possible hazardous warships? Of late Canada doesn't seem to have been faced with the problem, probably due much to that we keep our warships too long to be worth another country buying.

Langstone Harbour protected by old submarine

<https://www.portsmouth.co.uk/retro/langstone-harbour-protected-old-submarine-nostalgia-1379303>



I suppose breaking a submarine is not much different than breaking a surface vessel, other than that the pressure hull steel is higher quality and therefore greater scrap value. It will be interesting when the Royal Canadian Navy's Victoria-class submarines go to the breakers (some years yet as the government intends to extend their lives rather than replace them) - will they be just another disposal contract no different than the warships already broken?

Navy Studying Health of Surface Ship Supply Base

<https://news.usni.org/2020/01/29/navy-studying-health-of-surface-ship-supply-base>



"The (US) Navy wants to take a holistic look at its surface shipbuilding supply base to understand what areas are healthy and where there's risk..."

"...the Navy typically do a good job understanding their own supply chains and where there may be risk – single sources of critical components, smaller companies that have been bought by larger foreign companies, and so on – but ... there is more the Navy itself can do to understand the overall industry across programs."

It appears that Canadian yards building ships for the government have a good understanding of their suppliers (certainly the suppliers are highlighted as part of the shipyards' public information efforts) but to what extent if at all the Department of National Defence "...visit the vendors to watch employee training and performance, inspect material samples and other hands-on work that wasn't previously done" ('intrusive inspections!') is not publicly evident.

Royal Navy puts finishing touches on first true carrier strike group in a decade

<https://www.defenceconnect.com.au/maritime-antisub/5495-royal-navy-puts-finishing-touches-on-first-true-carrier-strike-group-in-a-decade>



So this is what it takes to be a 'great power.' A commitment to "a range of capability acquisitions and force structure developments, including:"

- a. Recapitalisation and modernisation of the navy (aircraft carriers, destroyers and frigates, submarines).
- b. Restructuring of the army to focus power projection and rapid expeditionary capability to support concurrent global deployments.
- c. Modernisation of the air force to include leading air combat capabilities in fighters and electronic support aircraft, and increased airlift capabilities.
- d. Modernisation of the nuclear deterrence force with ballistic missile submarines.

Hmm, not Canada's objective and intent. Our commitments to 'middle power' status (is that defined and explained anywhere?) is based on the 'Strong, Secure, Engaged' defence policy and (at times missing) other main policies (foreign, Arctic, etc.). How we're doing getting there is up for debate.

Search-and-Rescue Operations in the Mediterranean: Are they a 'pull factor' for sea crossings of migrants?

<https://blogs.eui.eu/migrationpolicycentre/search-rescue-mediterranean-crossing-migrants/>



An interesting question. Not one with a lot of Canadian relevancy considering the size of the pond between us and migrant sources. The Canadian search and rescue organization are probably ready for such a migrant scenario (we've had similar in the past). Is the Canadian government, media and public?

See (papers linked from the blog):

Migration at Sea: Unintended Consequences of Search and Rescue Operations

https://www.dropbox.com/s/oo9rcwr238qec5c/migrants_at_sea.pdf

and

Sea Rescue NGOs: a Pull Factor of Irregular Migration?

https://cadmus.eui.eu/bitstream/handle/1814/65024/PB_2019_22_MPC.pdf

Simpson: Ottawa should ditch F-35, buy better-suited Super Hornets for RCAF

<https://fpress.com/opinion/columnists/simpson-ottawa-should-ditch-f-35-buy-better-suited-super-hornets-for-rcaf>



Do these arguments really stand up?

Increasing Defence's role in disaster response is essential but costly

<https://www.aspistrategist.org.au/increasing-defences-role-in-disaster-response-is-essential-but-costly/>



"...it should be clear that whatever Defence is asked to do on climate disasters, it can't be at the expense of diverting even one dollar away from the core task of providing for the military security of <put your country's name here> and our interests."

Interesting emphasis on the governance and the leadership (dare one write 'command') function the

prime minister's department and in cabinet. Considerations for Canada? Certainly Canada should be looking at the lessons coming from other states. Yes, we've had (even recently) our own major emergencies. But that should not preclude us from studying the preparedness (including government department responsibilities and inter-departmental co-ordination) and responses of other states.

China and America Can Compete and Coexist

<https://www.nytimes.com/2020/02/03/opinion/pla-us-china-cold-war-military-sea.html>



"China believes America wants to block its legitimate ambition to develop a blue-water navy..."

A blue water navy is one that has ships (combatant and support/auxiliary, with seaworthiness and endurance); trained and experienced personnel; and logistics (including major engineering facilities ashore) to undertake sustained, long range, long endurance operations in the open oceans.

Naval Intelligence Must Relearn Its Own Navy

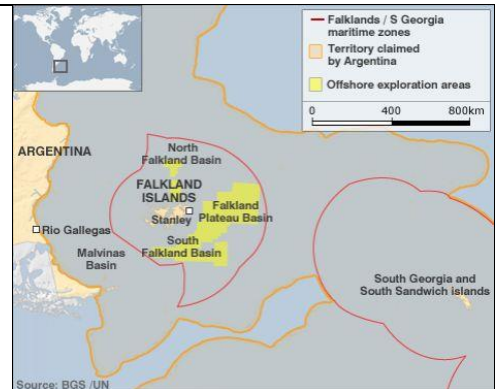
<https://www.usni.org/magazines/proceedings/2020/february/naval-intelligence-must-relearn-its-own-navy>



"If you know the enemy and know yourself you need not fear the results of a hundred battles." (Sun Tzu)

Falklands includes a new island in its EEZ with UN support

<https://en.mercopress.com/2017/03/31/falklands-includes-a-new-island-in-its-eez-with-un-support>



Okay, we've seen China and the US compete in a form of economic warfare by building and controlling ports and airports in foreign countries (kinda a serious and potentially dangerous game of "Settlers of Catan"). But this is new: a change in legal boundaries when nature conveniently creates a new island. Hmm, dare this be called 'geographic warfare?' And maybe the rules for this need be studied a bit by diplomatic, legal and military planners...

The Pentagon Is Spending Millions on Hunter Drones With Nets

https://www.defenseone.com/technology/2020/02/pentagon-spending-millions-dollars-hunter-drones-nets/162835/?oref=defenseone_today_nl



Gotta say this, to the distress of computer techies out there: gosh, is this a new form of 'netwar'?

Total Competition: China's Challenge in the South China Sea

<https://css.ethz.ch/en/services/digital-library/publications/publication.html/6d630a02-4df4-4535-a9cb-2be4bc5a49da>



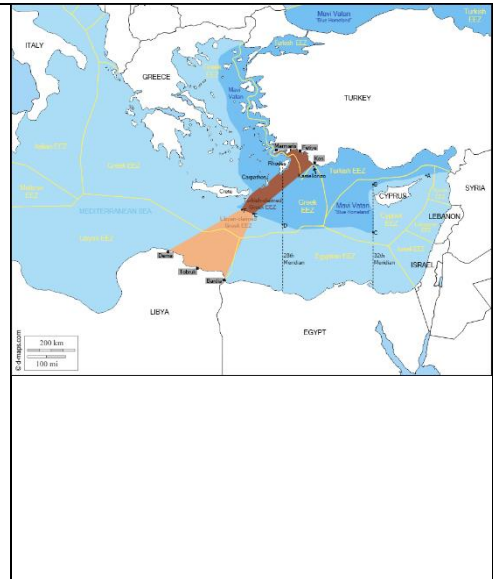
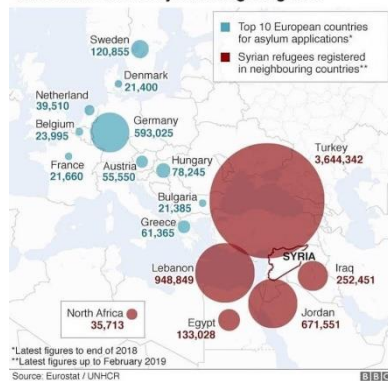
"This report argues that China is waging a campaign of 'total competition' in the South China Sea. Such a campaign reflects George Kennan's concept of 'political warfare' and involves the use of all tools at the state's disposal short of war."

Political warfare is a form of warfare that military and non-military people need to study and understand.

Greece and Turkey enter a cyberwar era

<https://www.euractiv.com/section/global-europe/news/greece-and-turkey-enter-the-cyberwar-era/>

Where have all the Syrian refugees gone?



Cyber-War Between NATO Allies

Greece and Turkey are increasingly applying cyber-attacks against each other, with suggestions that a state of cyber-war (at least briefly last week) exists/existed between the two.

Greek-Turkey tensions have been rising recently (again) after Turkey and Libya signed a memorandum

of understanding (MOU) on Mediterranean maritime boundaries that “ignored” the presence of Crete, substantially reducing Greek’s territorial waters claim. Turkey wants the MOU registered with the UN, while Greece wants it declared non-binding to third-parties. Germany and Egypt have taken the side of Greece, Bulgaria the side of Turkey, and the UN is exceptionally reluctant to create challenges for the fragile UN-backed government fighting for survival within Libya. The Turkish President threatens to open “the Aegean doors” (four million Syrian migrants/refugees) unless EU funding is delivered to alleviate the region’s migration issue, but the Turk-Libyan MOU’s apparent violation of United Nations Convention on the Law of the Sea (UNCLOS) boundary rules is complicating negotiations. Thus sets the cyber-war stage.

Websites of the Greek Parliament, Foreign Affairs Ministry, National Intel Service, Treasury and the Athens Stock Exchange were hacked mid-January, for which the Turkish group “Anka Neferler” claimed responsibility.

“Anonymous Greece”, a non-government organization (NGO) that claims to assist the Greek government frequently, allegedly launched Distributed Denial of Service (DDoS) counter-attacks against Turkish state-owned communication servers. Anonymous Greece says Anka Neferler operates under orders of Turkey’s state intelligence organization (MIT).

Following the DDoS counter-attacks on Turkey, Greece suffered new attacks on websites of several ministries and the Prime Minister. The Greek NGO claimed several more attacks had been attempted but were “silently” prevented.

US Navy, Boeing link manned and unmanned EA-18G Growlers

<https://www.janes.com/article/94101/us-navy-boeing-link-manned-and-unmanned-ea-18g-growlers>



UAV as Wingmen

Two unmanned EA-18G aircraft flew as autonomous electronic warfare consorts for a manned EA-18G “Growler” aircraft.

The consorts, described as “UAS surrogate aircraft,” contained pilots for take-off and landing safety requirements.

UAS = Unmanned Aerial System

Drone trials take place on HMS Mersey

<https://ukdefencejournal.org.uk/drone-trials-take-place-on-hms-mersey/>



When will there will a drone squadron/unit established in the Canadian Armed Forces and in the individual services (Royal Canadian Navy, etc.)?

(Royal Navy) 700X Naval Air Squadron: <https://www.royalnavy.mod.uk/our-organisation/the-fighting-arms/fleet-air-arm/support-and-training/700x-naval-air-squadron>

"The 'X' in 700X stands for 'experimental' – and for good reason. The unit was formed to oversee the development and innovation of cutting-edge remote-piloted flight systems within the Royal Navy."

Moscow Outlines \$231Bln Plan for Arctic Oil Development

<https://www.themoscowtimes.com/2020/02/05/moscow-outlines-231bln-plan-for-arctic-oil-development-a69178>



The article “Moscow Outlines \$231 Billion Plan for Arctic Oil Development” by the Barents Observer Editorial Staff, and published in the Moscow Times on 5 February 2020 provides the problem in dealing with the environmental targets set by the Paris Accords. Most nations honour the Accord in the breach and Russia is an extreme example of a lack of effort in this regard.

Canada emits approximately a little under 2% of Global emissions. We have relatively speaking fairly comprehensive environmental regulations and we are still working towards a reasonable balance between the real-world aspect of the economy and massive job losses and the more abstract aspects of climate change. As one can tell Russia has no limits or standards apparently and intends to go full throttle into the development of the oil industry in the Arctic environmental concerns or not. This effort will see major exploration efforts, drilling, pumping and shipping of gas and oil supported by tax relief.

Russia like China is an authoritarian regime. It will make decisions based on the needs of the country and not necessarily in the best interests of the world community. Russia's golden era was fueled by oil and gas. The Putin regime is hoping to re-capture that “golden era” again to keep the Putin regime in place. Putin and other regimes such as Saudi Arabia, Venezuela, Russia and some of the Arab oil states would love for Canada to eliminate its oil industry. It will in turn make their efforts more profitable. The bottom line is that Canada's efforts to curtail our own oil industry may in fact be the wish of every major adversary and no benefit to our own country. It is worth considering and some thought.

Canadian governments give Huawei millions in funding while debate rages over its 5G role

<https://www.msn.com/en-ca/money/topstories/canadian-governments-give-huawei-millions-in-funding-while-debate-rages-over-its-5g-role/ar-BBZCfSd?ocid=spartandhp&pfr=1>



Foreign affairs, defence and security issues made little or no impact on the recent elections in Canada, yet, major events are occurring which will have major effects on the lives of Canadian citizens. The

current impasse with China caused by Canada following the decision to arrest Meng Wanzhou for fraud at the request of the Americans. The Communist Chinese Party (CCP) took retaliatory actions against Canadian citizens such as the arrest and imprisonment and torture of Michael Spavor and Michael Kovrig; the change from a prison sentence to a death penalty for Robert Schellenberg. Canada has also been hit with massive economic retaliation in canola, soybeans beef and pork products in line with the CCP concept of the 'Three Wars concept.' (Approved by the Central Military Commission in 2003 envisages attacking countries by means other than direct conflict.)

Chinese law requires all companies private and sovereign owned to act on behalf of the Communist Chinese Party when asked. There is no guarantee that any Chinese company won't follow the direction of the CCP. Huawei is no exception. Little has been said of the British decision which allows up to 35% of Huawei equipment to be used in a future 5G network in Britain. The US has asked the British Government to reconsider their decision. The US House has just recently introduced legislation that will cut off intelligence support to countries that use Huawei equipment.






Canada has not made any final decision on the use of Huawei equipment. Canada has some cyber-defence capability, but it is small in comparison to the British. There are major efforts underway to enlarge that capacity within the Communications Security Establishment (CSE) but it is too small and vastly over-tasked to provide the level of oversight necessary to ensure network security at least at this point.

Currently, in Canada, our Government has shown a distain for security issues. Huawei executives have had been found to be conducting espionage in Poland and the Czech Republic at was a major contractor in the building of the African Union Headquarters in Addis Ababa in Ethiopia. Classified documents were sent immediately to servers in China even before the intended recipients could read them. The British also found multiple problems and defects in Huawei equipment. It estimated that it would take 10 to 15 years to correct to British satisfaction.

The concern here is that the Canadian Government seems more interested in future business interest in China. Academia in certain areas is also the same such as We have a British Columbia University that allowed Chinese acoustic sensors to be laid only a short distance from the US Naval base at Bangor Washington. The information from these sensors was sent to Hainan Island, which is the home of China's nuclear submarine fleet. The Government has also allowed the sale of a Montreal electronics company that sold tactical radio components to China despite recommendations not to sell from Canada's own security establishment. Now we have the information that the Canadian Government is providing funding for a profitable company of an adversarial power. Our new foreign Minister is a businessman and our new Ambassador to China is also a businessman with Chinese business ties.

The new Parliamentary Committee on China Canada Relations is apparently long overdue. It should give some clarity and transparency on Government actions on China which to date have been uninspiring and concerning.

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.

 <h1>Focus</h1> <p>MONTHLY UPDATE FROM THE ROYAL UNITED SERVICES INSTITUTE</p> <p>https://mailchi.mp/rusi.org/november-2019-newsletter-167421?e=a539211a30</p>	
<p>Navy removes commanding officer and second in command of HMCS Calgary</p> <p>https://ottawacitizen.com/news/national/defence-watch/navy-removes-commanding-officer-and-second-in-command-of-hmcs-calgary</p>	
<p>2 Russian bombers approached Canadian airspace in Arctic, Norad says</p> <p>https://globalnews.ca/news/6489830/russian-bombers-canada-norad/</p>	
<p>Inside the F-35 Lightning II</p> <p>https://www.wingsmagazine.com/inside-the-f-35-lightning-ii/</p>	

Sailors Work to Bring the USS Ford to Life — and Fix Its Remaining Glitches

https://www.defenseone.com/business/2020/01/aboard-ford-sailors-are-writing-manuals-fixing-problems-and-trying-change-its-image/162788/?oref=defense_one_breaking_nl



David J. Bercuson: Why we'll see more and more carriers on the high seas

<https://nationalpost.com/opinion/david-j-bercuson-why-we-ll-see-more-and-more-carriers-on-the-high-seas>



Germany to buy three Bombardier Global 6000 jets instead of Northrop drones

<https://www.theglobeandmail.com/business/international-business/european-business/article-germany-to-buy-three-bombardier-global-6000-jets-instead-of-northrop/>



RCAF crews to get look at new C-295 aircraft as it tours bases

<https://ottawacitizen.com/news/national/defence-watch/rcaf-crews-to-get-look-at-new-c-295-aircraft-as-it-tours-bases>



Liberals left \$105M meant for veterans unspent in last fiscal year

<https://www.msn.com/en-ca/news/politics/liberals-left-dollar105m-meant-for-veterans-unspent-in-last-fiscal-year/ar-BBZwqUv?ocid=se>



Keel-Laying

<https://rusi-ns.ca/keel-laying-2/>



Canadian special forces troops back on the job in Iraq, says commander

<https://www.cbc.ca/news/SOMNIA-1.5450655>



Recordings show Iran knew jetliner hit by a missile, Ukraine says

https://www.cbc.ca/news/ukrainian-airliner-crash-tehran-1.5449616?ref=mobilerss&cmp=newsletter_CBC%20News%20Top%20Headlines%20%20E2%80%93%20Morning_181_866



'Economically unfeasible': Liberals face tough choice on fate of aging Challenger jets

<https://globalnews.ca/news/6486385/challenger-jets-liberals-decision/>



C-295 trainer arrives at RCAF base in British Columbia

<https://ottawacitizen.com/news/national/defence-watch/c-295-trainer-arrives-at-rcaf-base-in-british-columbia>



More than 100 military procurements facing delays: Defence Department

<https://www.msn.com/en-ca/news/canada/more-than-100-military-procurements-facing-delays-defence-department/ar-BBZFmVj?ocid=se>



Industry representatives meet with Canadian Army staff on clothing, equipment modernization

<https://ottawacitizen.com/news/national/defence-watch/industry-representatives-meet-with-canadian-army-staff-on-clothing-equipment-modernization>



[In challenging China's claims in the South China Sea, the US Navy is getting more assertive](https://www.defensenews.com/naval/2020/02/05/in-challenging-chinas-claims-in-the-south-china-sea-the-us-navy-is-getting-more-assertive/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2002.06.20&utm_term=Editorial%20-%20Early%20Bird%20Brief)

https://www.defensenews.com/naval/2020/02/05/in-challenging-chinas-claims-in-the-south-china-sea-the-us-navy-is-getting-more-assertive/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2002.06.20&utm_term=Editorial%20-%20Early%20Bird%20Brief



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

#army tactical doctrine

The Evolution of US Army Tactical Doctrine, 1946-76

<https://www.armyupress.army.mil/Portals/7/combatastudiesinstitute/csi-books/doughty.pdf>

#artificial intelligence

The Ethical Upside to Artificial Intelligence

<https://warontherocks.com/2020/01/the-ethical-upside-to-artificial-intelligence/>

#artificial intelligence

Great Powers Must Talk to Each Other About AI

<https://www.defenseone.com/ideas/2020/01/great-powers-must-talk-each-other-about-ai/162686/>

#intelligence

The Israeli Unit 8200 - An OSINT-based study

<https://css.ethz.ch/content/dam/ethz/special-interest/gess/cis/center-for-securities-studies/pdfs/Cyber-Reports-2019-12-Unit-8200.pdf>

"This publication looks at the Israel Defense Forces' 8200 Unit, a signal intelligence (SIGINT) and decryption unit that has conducted intelligence, offensive and defensive operations across cyberspace."

#corporate-military relations

Reservists are Key to Deterrence in Grey Zone Conflict – Businesses Must Be Part of the Effort

<https://rusi.org/commentary/reservists-are-key-deterrence-grey-zone-conflict-%E2%80%93-businesses-must-be-part-effort>

#NATO

Alliance Capabilities at 70: Achieving Agility for an Uncertain Future

<https://isnblog.ethz.ch/defense/alliance-capabilities-at-70-achieving-agility-for-an-uncertain-future>

#navwar

How the West is Losing the Navigation and Timing War

To obtain a copy of this Royal Institute of Navigation article, email RUSINovaScotia@gmail.com

#planning

Intellectual Habits in Understanding the Operational Environment

<http://thesimonscenter.org/featured-article-intellectual-habits/>

#reading

(US) Army University Press New Book Releases

<https://www.armyupress.army.mil/>

#Russia #China

Modern Russian and Chinese Integrated Air Defence Systems: The Nature of the Threat, Growth Trajectory and Western Options

<https://rusi.org/publication/occasional-papers/modern-russian-and-chinese-integrated-air-defence-systems-nature>

#staff

So You're Going to be a Staff Officer: Five Pieces of Advice for Success and Personal Satisfaction

<https://mwi.usma.edu/youre-going-staff-officer-five-pieces-advice-success-personal-satisfaction/>

Other:

Your Navy Today - January 2020

<http://www.navy-marine.forces.gc.ca/en/news-ynt/2020/01-your-navy-today.page?>