



Royal United Services Institute of Nova Scotia Dispatches

19 April 2019

Dispatches is a weekly collection of links and news of current interest, included those tweeted and posted by the Institute on social media. The most recent four editions are posted to: <https://rusi-ns.ca/dispatches/>. Note that links of 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.

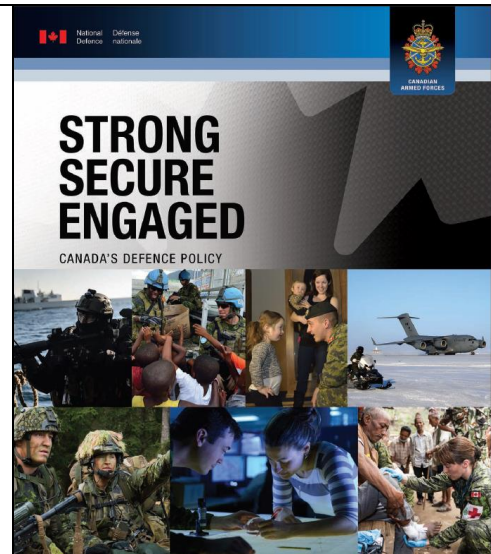
Everyone is encouraged to submit to the CIO links and other content to be included in *Dispatches*. Comments to articles can be from members or non-members of RUSI(NS). Feedback is welcome anytime. Any comment in *Dispatches* is the sole opinion of the author and does not necessarily represent the views 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, email admin@duncom.ca.

Defence Policy Initiative Monitoring

The RUSI(NS) Security Affairs Committee is monitoring progress of the government towards the 111 initiatives listed in the Canadian Defence Policy "Strong, Secure, Engaged" (SSE). Questions on SSE initiatives are being posed to CAF and DND staff (see Publications listing below for two responses), and articles and news releases are being reviewed for their reporting on initiatives. A monitoring document has been posted on the RUSI(NS) website at <https://rusi-ns.ca/category/publications/defence-policy/>.

Anyone (member or not of the Institute) who is interested in participating in this project, or who can assist and has information that can be added to the monitoring record, please contact Murray Lee, chair SAC, or 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.

1 May, Wednesday - Canadian Museum of Immigration at Pier 21 lecture by Ellin Bessner, author of "Double Threat: The Canadian Jews, the Military, and World War II." 7:30 pm - 9:30 pm, part of Yom HaShoah (worldwide day of Holocaust Remembrance). Kenneth C. Rowe Hall, Canadian Museum of Immigration at Pier 21. Her talk (not a reading contrary to the Pier 21 event announcement) "is about the Jewish experience in general, with an emphasis on how they encountered the Holocaust, and her book and research which cover those who were stationed in Halifax, or posted through, or the Y Depot, the Jewish

Serviceman's Canteen on Quinpool, the Halifax Riots. She notes Jewish Canadians served in the Merchant Navy (90) and the RCN (nearly 600), and some were killed, some won medals for bravery, but most faced widespread antisemitism from authorities as well as from their deckmates. The RCN did not accept Jewish officers easily for many years during the war." See: <https://ellinbessner.com/event/ellin-brings-double-threat-to-halifax-for-holocaust-remembrance-day-2019-at-pier-21/> and <https://pier21.ca/visit/whats-on-calendar/yom-hashoah-with-author-ellin-bessner>

4 May, Saturday - Maritime Museum of the Atlantic speaker Roger Litwiller "White Ensign Flying: The Battle of the Atlantic and the loss of HMCS Trentonian." 2 pm. Maritime Museum of the Atlantic. See: <https://maritimemuseum.novascotia.ca/event/white-ensign-flying-battle-atlantic-and-loss-hmcs-trentonian-roger-litwiller>

8 May, Wednesday - Distinguished Speaker Brigadier-General Jay Janzen, Director General Military Strategic Communications, speaking on public affairs. 1130-1330. Royal Artillery Park Officers' Mess. **Note** that this is the second Wednesday of the month, not our normal third Wednesday.

24 June, Monday - momomdays Halifax and Society of Atlantic Heroes show "Increasing Latent Stress Capacity to Generate Post-Traumatic Growth." 0800-1500. ScotiaBank Stage, 1593 Argyle Street, Halifax. RUSI(NS) members JM Blais and Ken Hoffer are closely involved in this worthy effort.

Publications:

RUSI(NS) Information Note "RCAF Squadron Numbers," by Murray Lee, 10 April 2019
<https://rusi-ns.ca/rcmf-squadron-numbers/>

RUSI(NS) Defence Policy Initiative Monitor "Remotely Piloted Aircraft Systems," 10 April 2019
<https://rusi-ns.ca/remotely-piloted-aircraft-systems/>

RUSI(NS) Paper "F-35 Strengths and Vulnerabilities," by Ken Hansen, 26 March 2019
<https://rusi-ns.ca/f-35-strengths-and-vulnerabilities/>

Naval Association of Canada Starshell Winter 2019, No. 85
<http://www.navalassoc.ca/wp-content/uploads/2019/03/Starshell-Winter-2019.pdf>

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🇨🇦 "Department of National Defence and the Canadian Armed Forces 2019-20 Departmental Plan"
<https://bit.ly/2v3K3yR> @CanadianForces @NationalDefence #DefencePolicy



"Strengthening public's durability for resisting & countering fake news will be key to ensuring maintenance of democracy in 21st century" <http://natoassociation.ca/attempts-to-undermine-canadian-election-through-disinformation-are-symptoms-of-a-global-problem/> We general CAN🇨🇦 public are frontline in an ongoing information war. All of us need to counter with #CriticalThinking
(Attempts to undermine Canadian election through disinformation are symptoms of a global problem)



Descriptive article about CAN🇨🇦 National Security & Intelligence Committee of Parliamentarians report <https://www.opencanada.org/features/a-much-needed-review-of-canadas-security-and-intelligence-operations-arrives/> Explains NSICOP, analyzes report now & future, concludes "there is much that is positive about NSICOP's first annual report"



Some remarks on naval force costs https://www.facebook.com/permalink.php?story_fbid=2172033189551886&id=618819224873298 Article may be focused on US amphibious (landing) force but its points can be considerations for #RCNavy structure development (Cost and Survivability: Acquiring the Gator Navy)
Member comment: Not mentioned in the article. The Absalon Class support ship performs similar functions in a smaller more flexible package, https://en.wikipedia.org/wiki/Absalon-class_support_ship



#RCAF search & rescue #SAR aircraft to retain iconic yellow paint scheme <https://nationalpost.com/news/canadian-military-ditches-plan-to-paint-new-search-and-rescue-planes-grey-will-stick-with-familiar-yellow> Was original decision to paint a/c 'tactical grey' indicative of a greater (& non-public) debate on why @CanadianForces has civil SAR role?
(Canadian military ditches plan to paint new search-and-rescue planes grey, will stick with familiar yellow)



RUSI(NS) Information Note "RCAF Squadron Numbers" <https://rusi-ns.ca/rcf-squadron-numbers/> Why the 400-series Royal CAN🇨🇦 Air Force squadrons #RCAF



Royal Australian Navy has aircraft with laser airborne depth sounder (LADS) to survey sub-Antarctic waters
<https://www.maritime-executive.com/article/australian-navy-survey-to-improve-sub-antarctic-charts> Considering (inadequate) state of #Arctic survey/charts, might CAN🇨🇦 benefit by owning such a capability? Part of ensuring our sovereignty of North
 (Australian Navy Survey to Improve Sub-Antarctic Charts)



David Pugliese @davidpugliese 16 Apr tweeted: My latest article...Military assessment ruling out the need for a second interim supply ship doesn't appear to exist
<https://ottawacitizen.com/news/national/defence-watch/military-assessment-supposedly-ruling-out-a-second-interim-supply-ship-doesnt-appear-to-exist/>
 RUSI(NS) retweeted: Would be interesting to read public/unclassified version of "Interim AOR (iAOR) - High Level Requirements (HLRs)" if only to cut through to the facts. A comparison of what #MVAsterix provides versus 2 Joint Support Ships #JSS would be enlightening #RCNavy



Timothy Choi @TimDotChoi tweeted and RUSI(NS) retweeted: Provided @globalnews with some thoughts on the Canadian Coast Guard Ship McClaren's sabotage and what it means for the CCG's fleet distribution today:
<https://globalnews.ca/news/5166350/corporal-mclaren-unrepaired> @ucalgaryarts @CMSSCalgary
 (No suspects, few leads as sabotaged Canadian Coast Guard vessel remains unrepaired)



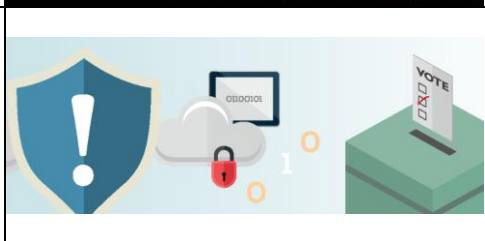
.@CIMSEC "China's Arctic Policy and its Potential Impact on Canada's Arctic Security" <http://cimsec.org/chinas-arctic-policy-and-its-potential-impact-on-canadas-arctic-security/40180> "China's #Arctic policy therefore could form an indirect and long-term threat to the security of Canada's Arctic."



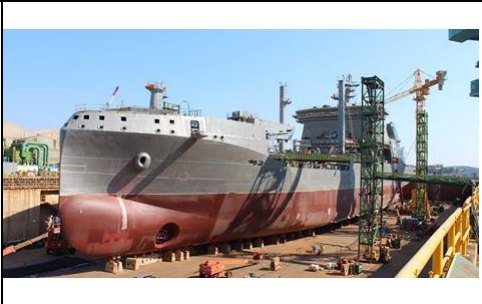
Excellent & eye-opening talk 17Apr19 by @RCMPNS to RUS(NS), @HfxRegPolice, @CanadianForces police & guests about human trafficking. Nova Scotia, we've got a problem!



Russia may launch information warfare campaign targeting CAN🇨🇦 as well as EU. Methods & tactics would likely match those Russia employed against Ukraine, Brexit referendum & US election. This threatens our security directly
<https://www.dw.com/en/russia-trying-to-meddle-in-eu-elections-report/a-48318678> Canadians must #ThinkCritically
 (Russia trying to meddle in EU elections — report)



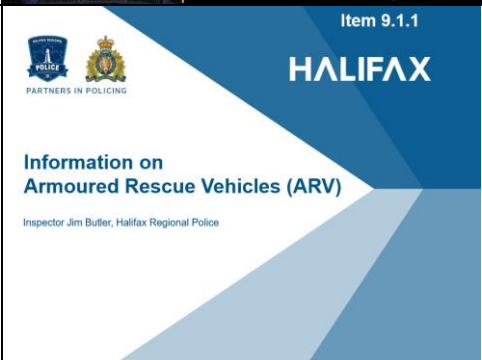
RUSI(NS) remarks on shipbuilding
https://www.facebook.com/permalink.php?story_fbid=2179672525454619&id=618819224873298 CAN🇨🇦 National Shipbuilding Strategy #NSS is not just about building ships, it's about (re)building a national strategic capability (New Zealand Navy's biggest vessel ready for launch in South Korea
<https://navaltoday.com/2019/04/11/new-zealand-navys-biggest-vessel-ready-for-launch-in-south-korea/>)



As defense, EU is taking measures to assist voters in spotting disinformation associated with an information warfare campaign. Creating a similar site for CAN managed by a neutral organization (Elections Canada / @RCMPgrcpolice / @csiscanada) has merit <https://euvsdisinfo.eu/>



.@HFXRegPolice presentation to #Halifax Regional Municipality @HfxGov "Information on Armoured Rescue Vehicles"
<https://www.halifax.ca/sites/default/files/documents/city-hall/boards-committees-commissions/190415bopc911.pdf>



#RCNavy patrol ships #HMCSKingston #HMCSShawinigan operate in western Mediterranean, training with regional partners for Exercise #PhoenixExpress
<https://navaltoday.com/2019/04/18/canadian-navy-ships-join-phoenix-express-drill-in-africa-for-first-time/> Small ships making big impact. Globally-deployable #BlueWaterNavy #OpPROJECTION
 (Canadian Navy ships join Phoenix Express drill in Africa for first time)



UK Defence Journal @UKDefJournal 18 Apr tweeted: Hull of first Type 26 Frigate HMS Glasgow taking shape.
<https://ukdefencejournal.org.uk/hull-of-first-type-26-frigate-hms-glasgow-taking-shape/>
 RUSI(NS) retweeted: Looking forward to similar pictures of 1st Type 26-based CAN Surface Combatant (frigate for #RCNavy) taking shape at @IrvingShipbuild #Halifax



Posted on Facebook Royal United Services Institute NS with comments:

Cost and Survivability: Acquiring the Gator Navy

<http://cimsec.org/cost-and-survivability-acquiring-the-gator-navy/39784>



"The (US) Navy to date has not recognized that the past and future employment constructs and incidents do not seem to justify the cost of the amphibious ships we are procuring. Larger, cheaper platforms provide inherent survivability through physical size and allow the Navy to procure more ships..." By "larger, cheaper" the author means merchant ships and merchant ship-type (e.g., the US Expeditionary Transfer Docks). Could the Royal Canadian Navy benefit from similar thinking and build multi-role capability, whether tending towards 'weapon trucks' (i.e., containerized weapons embarked in simple ship) or auxiliary (logistics, humanitarian assistance/disaster relief) into merchant ship hulls?

Microsoft's AI research with Chinese military university fuels concerns

<https://www.scmp.com/news/china/military/article/3005948/microsofts-ai-research-chinese-military-university-fuels>



Microsoft artificial intelligence helps Chinese government

<https://www.taiwannews.com.tw/en/news/3679038>

These two articles are from different but related perspectives on Microsoft's relationship with Chinese universities. There was hope in the 1990s and early 2000s that China was moving toward an open society as designed by Deng Xiaoping during his leadership during the late 1980 and early 1990s. It was a time of hope and optimism. Since Xi's ascendancy to President in 2012, China has returned to a much darker period and now leads the most repressive regime in recent Chinese history including offensive actions against its neighbours, land grabs such as in the South China Seas, and economic warfare such as seen in Canada with canola or Australia in regard to coal. The ones who have suffered most are their own citizens especially in Tibet and East Turkestan (Xinjiang province) where China has embarked on a campaign of cultural genocide which includes concentration camps for minorities.

The articles show the difficulty for any Western technology firm. Agreements and relationships were made during a period of increased trust and improving relationships with a country looking to the future. Since the appointment of President Xi, China has returned to a much darker past. Its own people are now increasingly subject to decreased human rights and even fewer opportunities to seek redress against the wishes of the Communist Chinese Party (CCP). The biggest losers in China's recent changes have been the Chinese people themselves. Whistle blowers, human right activists, artists, religious community members of virtually all faiths, lawyers, and critics of President Xi are all falling afoul the Chinese 'legal system.'

Most Western companies entered the Chinese market during a time of increased openness and hope for a much better future. The bookstores in the West were filled with books focusing on the great benefits that could be gained by investing and helping China move its economy into the modern world finance

system. Chinese labour was amongst the cheapest in the world, and many companies raced to become the newest partner of a strong emerging market. Who could blame them? Most Western companies did not understand how the malevolent changes by Xi would be used. Western technology offered in good faith has now been perverted by the CCP into an often all-pervading surveillance system. It evokes Prime Minister Churchill's comments on "perverted science." Does any Western business entity really wish to be known for the development of instruments of cultural genocide, or be part of the creation of a truly Orwellian surveillance system? Does it mean forgetting one's own principles and that of your own country to support a regime that is immoral and devoid of ethics? It is a question that Western businesses must ask when they decide to enter the Chinese market.

Admiral Says US Committed to Free and Open Arctic

<https://www.c6f.navy.mil/Media/News/Article/1810732/admiral-says-us-committed-to-free-and-open-arctic/>



"It's nobody's lake...The Arctic is an international domain, and that is why we are interested in keeping it free and open."

Ah, not quite. There are parts that are Canadian waters and territory, and other parts that are waters and territory of other states. And I'm sure that Inuit would have something to say about such a free-ranging statement by the Admiral.

United States Army War College Library Alert

http://usawc.libguides.com/Library_Alerts



"This Library Alert focuses on Europe, for two reasons. First, the North Atlantic Treaty Organization recently had its seventh anniversary. Second, the recent Brexit extension.

Brexit is a major geopolitical and geoeconomic event. As such, a succinct selection of resources from American and British think tanks is provided. Brexit is also a very fluid event. As such, some resources included may be slightly but not wholly dated by the fast pace of events."

The links to the resources below may be found at [http:// usawc.libguides.com/Library_Alerts](http://usawc.libguides.com/Library_Alerts) [two spaces added after http: to prevent the URL from being stripped by spam filters].

I would like to thank USAWC research librarian Travis Ferrell for sharing this material with us.

Howard Coombs
CDAI

I. North Atlantic Treaty Organization

1. Schroeder, Wayne A. "NATO at Seventy: Filling NATO's Critical Defense-Capability Gaps." (Washington, DC: Atlantic Council, 2019).

"As NATO reaches its seventieth anniversary in 2019, the Alliance is facing new challenges both externally and internally. The reemergence of Russia as a strategic threat has led to the reexamination of NATO's warfighting capabilities and the gaps that exist to adequately defend and deter. At the same time, both renewed US focus and the emergence of new security threats have placed increased pressure on member states to reach established spending targets. The need to outfit and equip NATO for great power competition, as well as increased pressure to invest more in defense, provides an opportunity to strengthen NATO for the future. Yet the path forward is still unclear. What investments should be prioritized in the land, air, maritime, space and cyber domains? And how should the Alliance's nuclear deterrent be modernized? In 'NATO at Seventy: Filling NATO's Critical Defense-Capability Gaps' Atlantic Council nonresident senior fellow Dr. Wayne A. Schroeder offers a comprehensive menu of options for the Alliance to shape its investments in these critical areas and ensure that NATO retains its fighting mindset well past its seventieth anniversary in 2019. The report features a foreword by Air Marshall Sir Chris Harper KBE, former director general of the International Military staff at NATO (2013-16)."

2. "NATO Engages: The Alliance at 70" The German Marshall Fund of the United States YouTube page, 18 videos

"On April 3-4, NATO's founding date, Allied foreign ministers convened in Washington, DC to commemorate achievements over the last seven decades, address the challenges facing the Alliance today, and highlight its enduring value and mission going forward."

II. Brexit (resources in order of most current first)

3. "The European Union & Brexit." Atlantic Council. April 12, 2019, streaming video, 1:02:25. Program begins about 09:11.

"Much uncertainty remains regarding Brexit and the future relationship between the European Union and the United Kingdom. At the same time, European citizens and businesses need clarity and expect vision. In this light, Vice President Dombrovskis will join the Atlantic Council for a very timely discussion on the future of the European Union. More specifically, he will explain the EU's preparedness for different Brexit scenarios, including in the area of financial services. He will share his views about regulatory cooperation for global financial markets, sustainable finance, and will reflect on the international role of the Euro. Furthermore, he will preview what's at stake at the European elections in May, possible foreign influence on the elections - and how they might be affected by populist discourse."

4. Wemer, David A. "Brussels Agreed to Brexit Extension to Avoid No Deal, EU Official Says." (Washington, DC: Atlantic Council, April 12, 2019).

5. Roberts, John M. "A Little Knowledge on Brexit." (Washington, DC: Atlantic Council, April 11, 2019).

6. "Britain, Brexit and the Future of NATO." Chatham House. April 4, 2019, streaming audio, 1:07:47.

"The panellists assess the future of the Atlantic alliance with a particular focus on Britain's relationship with NATO. To what extent, if any, will Brexit reshape the power dynamics between NATO member states? With 80 per cent of the alliance's defence spending expected to come from non-EU members, is the EU at risk of getting sidelined in meaningful strategic conversations moving forward? And how should Britain – which played a leading role in creating NATO in the immediate aftermath of the Second World War – respond to uncertainty about NATO's future?"

7. "Podcast: Examining the Post-Brexit Japan-UK Partnership." Chatham House. February 14, 2019, streaming audio, 22:35.

"Debating the challenges of a new international economic order including the de-liberalization of international trade and the potential impacts of Brexit on the Japan-UK partnership."

8. "The Transatlantic Relationship: Challenges and Opportunities." Chatham House. January 30, 2019, streaming audio, 59:25.

"Considering the recent divergence of UK and US policies in international affairs, our panel assesses the present state of the US-UK relationship and its future trajectory."

Washington Tries a Softer Approach in Anti-Huawei Campaign

<https://foreignpolicy.com/2019/04/11/washington-tries-a-softer-approach-in-anti-huawei-campaign/>



This article signals a major change in US policy with regard to the use of Chinese equipment in 5G networks may be underway. Up to this point the US had been demanding its allies invoke a total ban on Huawei (and probably ZTE) for national 5G networks but Europe seemed disinclined to adopt complete bans. However, on 11 April, the US Secretary of State's lead praised German efforts "At this point we're looking for governments to adopt security standards like we're seeing in Germany."

The Germans had stated that "Systems may only be sourced from trustworthy suppliers whose compliance with national security regulations and provisions for the secrecy of telecommunications and for data protection is assured. Network traffic must be regularly and constantly monitored for any abnormality and, if there is any cause for concern, appropriate protection measures must be taken."

The US view now is that the PRC suppliers are unlikely to meet these standards. France and Japan appear to be following a similar route. Canada's Cyber-Security Director, Scott Jones, is currently reviewing Canadian measures; it is likely that Canada will use a similar system as adopted by our key allies.

2019 Update: Cyber Threats to Canada's Democratic Process

<https://cyber.gc.ca/en/guidance/2019-update-cyber-threats-canadas-democratic-process>

2019 UPDATE:
CYBER THREATS
TO CANADA'S
DEMOCRATIC PROCESS



This is an update of Communications Security Establishment's 2017 report on the cyber threats to Canada. Almost every major Canadian media outlet commented on the update this week, but this commentary will rely on the actual report itself. It is short and very well explained.

Its central findings are that it very likely that Canadian voters will encounter some form of foreign cyber interference related to the 2019 federal election. While the paper-based election machinery is safe we should expect attempts to sway voters' decisions, with a particular emphasis on polarizing issues.

The report contains some excellent examples of past bizarre Russian misinformation efforts: One campaign in September 2017 attempted to replicate the political discord surrounding protests in the American National Football League in a Canadian context by promoting headlines such as "The Canadian Football League is Protesting THEIR OWN National Anthem!" and "Canadian NHL Player CONSIDERING 'Taking a Knee' During U.S. Anthem."

In 2016, false information appeared on social media about a "failed Canadian raid" on Russian separatist positions in Ukraine, alleging that 11 Canadian military personnel had been killed. Users shared an English language version of this fictional report over 3,000 times on Facebook. A similar false report about three Canadian soldiers dying after their vehicle hit a landmine in Ukraine spread on pro-Russian websites in May 2018. The authors of the false reports likely intended to portray Canadian troops – who are present in Ukraine in non-combat roles – as reckless and ineffective in their operations.

There was, regrettably, no mention of Chinese activities nor does CSE propose the more aggressive responses undertaken by our allies such as cyber counterattacking election meddlers or ordering social media to actively cull misinformation. The report remains an excellent short read, nevertheless.

The CSE 2017 report, for comparison purposes, is found at:

<https://cyber.gc.ca/sites/default/files/publications/cse-cyber-threat-assessment-e.pdf>

New Zealand Navy's biggest vessel ready for launch in South Korea

<https://navaltoday.com/2019/04/11/new-zealand-navys-biggest-vessel-ready-for-launch-in-south-korea/>



This article is cause for some reflection. But not to make build-time and capability comparisons between New Zealand's AOTEAROA and the Canadian Protecteur-class replenishment oilers (AOR) building under the Joint Support Ship (JSS) project. There is an issue in the building of a naval ship, whether combatant or auxiliary, in a foreign yard versus a state's own yard. Having a national capability to build and to refit and repair ships, in Canada's case on both coasts, is critical.

One could guess that the argument was made during planning for JSS that Canada should send the work to the South Koreans or Norwegians instead of to Canadian yards, busy as they were to be and with a

backlog of naval and Coast Guard ships to build. But what needs to be asked is that, given regional dynamics, what are the risks inherent in sending one's oilers to South Korea – in the case of the New Zealand ship presumably by a rather wide route around the East and South China Seas – for extended dock working periods every few years over the next three to four decades? Also, given the current levels of stability in the Korean peninsula, what are the risks inherent in having to leave them there, out of the water, for a year out of every four to five years? Can anyone say with confidence that this risk can be quantified, and has it been costed into the figures being discussed for the New Zealand AOR?

By rebuilding national capacity, Canada is frontloading costs in time and treasure in order to avoid that risk over the 30-year-plus life of the AOR program. There is a security argument there that many people may not have considered.

The Canadian National Shipbuilding Strategy is not just about building ships, it's about (re)building a national strategic capability.

The Hidden Costs of Strategy by Special Operations

https://warontherocks.com/2019/04/the-hidden-costs-of-strategy-by-special-operations/?utm_source=WOTR+Newsletter



War on the Rocks "The Hidden Costs of Strategy by Special Operations" arguing that special operations forces are not a force of every resort. Also, in a related vein Joint Special Operations University has released a new JSOU Press publication "Political Strategy in Unconventional Warfare: Opportunities Lost in Eastern Syria and Preparing for the Future" available to the public electronically on the JSOU Library web site at https://jsou.libguides.com/ld.php?content_id=47854111

The abstract is below. I would like to thank Colonel (Retired) (Dr) J. Paul de B. Taillon for sharing the JSOU material with us.

Howard Coombs

CDAI

Framed by more than three decades of anthropological research experience working in Syria and surrounding Middle Eastern countries, and experience working with both U.S. development and military entities, Dr. O'Leary and Mr. Heras offer a sociocultural and political analysis valuable for deployed SOF. They contend that the political strategy necessary for sustainable strategic effect in the unconventional warfare (UW) component of the counterterrorism operation against the Islamic State of Iraq and Syria (ISIS) was subordinated to the operational level imperative to cultivate a viable proxy force. The authors offer SOF a way to conceptualize strategic political analysis for UW efforts using Syria as a recent case study, but also provide a glimmer of hope for consolidating the gains made there in support of national policy.

U.K. Developing its Own Extra Large UUV for Royal Navy

<https://news.usni.org/2019/04/17/u-k-developing-its-own-xluuv-for-royal-navy>



"Extra Large Unmanned Underwater Vehicle (XLUUV)." The future Royal Canadian Navy Submarine Force (CANSUBFOR) will consist of XLUUV and manned submarines. Maybe not many (none?) of the latter. Though for some years manned submarines will serve well as control vessels for underwater drones. Whatever mix, there needs to be planning for it now. Probably is with the Department of National Defence, but there is not much public discussion and understanding. And certainly nothing from the government of a National Shipbuilding Strategy 2.0 that envisions what the CANSUBFOR will look like and what needs to be done (procurement) to get there.

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.

Parliamentary report on Arctic security tries to cut through 'geopolitical fog'

<https://www.cbc.ca/news/SOMNIA-1.5094920>



Japanese F-35 pilot called for mission to be aborted shortly before crash

<https://ottawacitizen.com/news/national/defence-watch/japanese-f-35-pilot-called-for-mission-to-be-aborted-shortly-before-crash>



WikiLeaks' Assange arrested in London, faces US charge

https://www.fifthdomain.com/federal-oversight/doj-fbi/2019/04/11/wikileaks-assange-arrested-in-london-us-charge-unveiled/?utm_source=Sailthru&utm_medium=email&utm_campaign=ebb%2004.12.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



The F-35 and other warplanes descend on Switzerland this spring

https://www.defensenews.com/global/europe/2019/04/11/the-f-35-and-other-warplanes-descend-on-switzerland-this-spring/?utm_source=Sailthru&utm_medium=email&utm_campaign=ebb%2004.12.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



India's security challenges shape society and politics

https://www.dw.com/en/indias-security-challenges-shape-society-and-politics/g-48287763?utm_source=Sailthru&utm_medium=email&utm_campaign=ebb%2004.12.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



The Revolutionary Guards Are Ready to Strike Back

https://foreignpolicy.com/2019/04/11/the-revolutionary-guards-are-ready-to-strike-back/?utm_source=PostUp&utm_medium=email&utm_campaign=12010&utm_term=Flashpoints%20OC



Pompeo: With S-400, Turkey won't get F-35, may get sanctions

https://www.defensenews.com/congress/budget/2019/04/10/pompeo-with-s-400-turkey-wont-get-f-35-may-get-sanctions/?utm_source=Sailthru&utm_medium=email&utm_campaign=ebb%2004.10.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



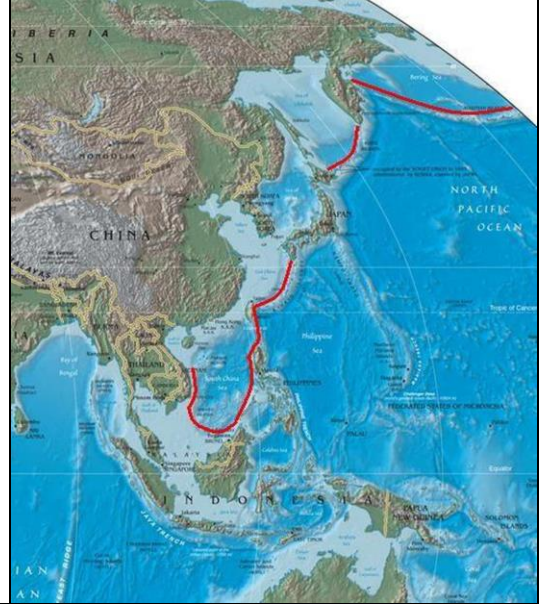
Germany sees 8.86 billion euro cost to operate Tornado jets to 2030

https://www.reuters.com/article/us-germany-fighter-tornado-exclusive/exclusive-germany-sees-8-86-billion-euro-cost-to-operate-tornado-jets-to-2030-idUSKCN1RM219?utm_source=Sailthru&utm_medium=email&utm_campaign=ebb%2004.12.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



5 Reasons U.S. Maritime Supremacy In The Western Pacific May Be Doomed

<https://www.forbes.com/sites/lorenthompson/2019/04/12/5-reasons-u-s-maritime-supremacy-in-the-western-pacific-may-be-doomed/#4f840ce99b50>



Goodale says report on terror threats 'maligned' certain communities






<https://lethbridgenewsnow.com/2019/04/12/goodale-says-report-on-terror-threats-maligned-certain-communities/>



Far from the crumbling caliphate but haunted by ISIS

https://www.washingtonpost.com/news/world/wp/2019/04/10/feature/the-caliphate-has-crumbled-but-isis-still-haunts-yazidi-refugees-in-canada/?noredirect=on&utm_term=.d6644be45b87



<p>Which Rules? Why There is No Single ‘Rules-Based International System’</p> <p>https://rusi.org/occasional-papers/Which-Rules-Why-There-Is-No-Single-Rules-Based-International-System?utm_source=RUSI+Newsletter&utm_campaign=a711ba3c96-EMAIL_CAMPAIGN_2019_04_04_02_42_COPY_01&utm_medium=email&utm_term=0_0c9bbb5ef0-a711ba3c96-47709521</p>	
<p>Japan lost an F-35 in the Pacific, and the US is in trouble if Russia or China find it first</p> <p>https://www.businessinsider.com/japan-lost-an-f-35-in-the-pacific-russia-or-china-may-find-it-first-2019-4?r=US&IR=T</p>	
<p>Military Drills in Arctic Aim to Counter Russia, but the First Mission Is to Battle the Cold</p> <p>https://www.nytimes.com/2019/04/12/world/europe/global-warming-russia-arctic-usa.html</p>	
<p>‘Space Force’ Windfall Unclear for Eager Defense Companies</p> <p>https://www.defenseone.com/business/2019/04/defense-companies-already-preparing-space-force-windfall/156234/?oref=defense_one_breaking_nl</p>	
<p>RCAF facing problems getting enough parts for C-130J Hercules transport planes - wheels being taken from older aircraft</p> <p>https://nationalpost.com/news/rcaf-facing-problems-getting-enough-parts-for-c-130j-hercules-transport-planes-wheels-being-taken-from-older-aircraft</p>	

Canadian military ditches plan to paint new search-and-rescue planes grey, will stick with familiar yellow

<https://nationalpost.com/news/canadian-military-ditches-plan-to-paint-new-search-and-rescue-planes-grey-will-stick-with-familiar-yellow>



RCAF Squadron Numbers

<https://rusi-ns.ca/rcaf-squadron-numbers/>



Canada's fighter jet tender competition (finally) takes off next month

<https://www.cbc.ca/news/SOMNIA-1.5096811>



F-35A crash: Japan's defense minister addresses security concerns, procurement plans






https://www.defensenews.com/global/asia-pacific/2019/04/12/f-35a-crash-japans-defense-minister-addresses-security-concerns-procurement-plans/?utm_source=Sailthru&utm_medium=email&utm_campaign=ebb%2004.15.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



China a major threat to Canadian security: Ottawa

https://www.asiatimes.com/2019/04/article/report-says-china-a-major-threat-to-canadian-security/?utm_source=Sailthru&utm_medium=email&utm_campaign=ebb%2004.15.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



<p>Brexit Heralds a Decline of Anglo-American Power</p> <p>https://www.defenseone.com/ideas/2019/04/brexit-heralds-decline-anglo-american-power/156262/?oref=defenseone_today_nl</p>	
<p>Stratolaunch becomes world's largest aircraft to fly</p> <p>https://www.flightglobal.com/news/articles/pictures-stratolaunch-becomes-worlds-largest-aircr-457453/</p>	
<p>Why the the days of 'fighter jock culture' may be numbered</p> <p>https://www.airforcetimes.com/news/your-air-force/2019/04/13/why-the-days-of-fighter-jock-culture-may-be-numbered/</p>	
<p>F-35 deploys to Middle East for first time</p> <p>https://www.airforcetimes.com/news/your-air-force/2019/04/15/f-35-deploys-to-middle-east-for-first-time/?utm_source=Sailthru&utm_medium=email&utm_campaign=ebb%2004.16.19&utm_term=Editorial%20-%20Early%20Bird%20Brief</p>	
<p>US terrorism label for Iran Revolutionary Guard takes effect</p> <p>https://www.militarytimes.com/news/pentagon-congress/2019/04/15/us-terrorism-label-for-iran-revolutionary-guard-takes-effect/?utm_source=Sailthru&utm_medium=email&utm_campaign=ebb%2004.16.19&utm_term=Editorial%20-%20Early%20Bird%20Brief</p>	

Taiwan president says Chinese drills a threat but not intimidated

https://www.reuters.com/article/us-china-taiwan/taiwan-president-says-island-not-intimidated-by-chinese-military-drills-idUSKCN1RS03B?utm_source=Sailthru&utm_medium=email&utm_campaign=ebb%2004.16.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



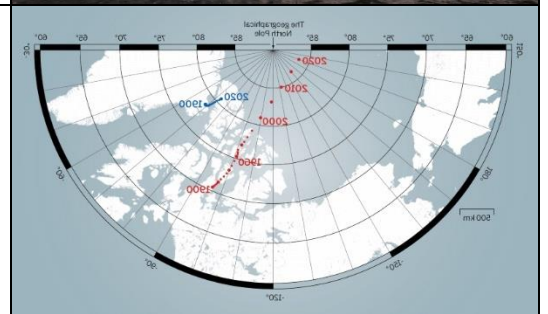
Military assessment ruling out the need for a second interim supply ship doesn't appear to exist

<https://ottawacitizen.com/news/national/defence-watch/military-assessment-supposedly-ruling-out-a-second-interim-supply-ship-doesnt-appear-to-exist>



Say goodbye, Canada. The North Pole is moving to Russia.

<https://www.msn.com/en-ca/news/canada/say-goodbye-canada-the-north-pole-is-moving-to-russia/ar-BBW0wD3>



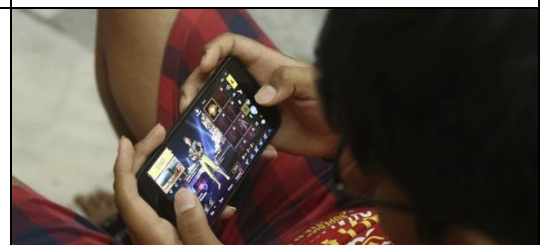
Army returns to dark blue or khaki berets for Foot Guards and technical corps

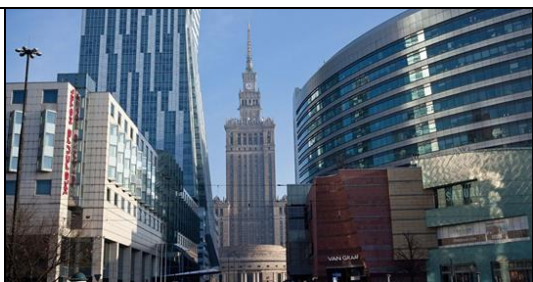




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A New Consensus Is Emerging On How to Handle The Risk from China's 5G

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<p>Poland and U.S. Closing In on Deal to Build ‘Fort Trump,’ Sources Say</p> <p>https://www.bloomberg.com/news/articles/2019-04-16/poles-and-u-s-said-to-close-in-on-deal-to-build-fort-trump?cmpid=socialflow-twitter-business&utm_campaign=socialflow-organic&utm_medium=social&utm_content=business&utm_source=twitter&utm_term=Editorial%20-%20Early%20Bird%20Brief</p>	
<p>Bell V-280 flies with system that can see through aircraft</p> <p>https://www.defensenews.com/digital-show-dailies/aaaa/2019/04/16/bell-v-280-flies-with-system-that-can-see-through-aircraft/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2004.17.19&utm_term=Editorial%20-%20Early%20Bird%20Brief</p>	
<p>State Department approves new deal with Taiwan for F-16 training, maintenance</p> <p>https://www.upi.com/Defense-News/2019/04/16/State-Department-approves-new-deal-with-Taiwan-for-F-16-training-maintenance/4161555418658/?sl=4&utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2004.17.19&utm_term=Editorial%20-%20Early%20Bird%20Brief</p>	
<p>Charlie Bouchard steps down from Lockheed Martin Canada’s top job</p> <p>https://ottawacitizen.com/news/national/defence-watch/charlie-bouchard-steps-down-from-lockheed-martin-canadas-top-job</p>	
<p>New Nuclear Missiles’ Cost Estimate Changes Again</p> <p>https://www.defenseone.com/technology/2019/04/new-nuclear-missiles-cost-estimate-changes-again/156367/?oref=defenseone_today_nl</p>	

<p>Ukraine's Election Is an All-Out Disinformation Battle</p> <p>https://www.defenseone.com/ideas/2019/04/ukraines-election-all-out-disinformation-battle/156377/?oref=defenseone_today_nl</p>	
<p>Why another US destroyer is prowling the Black Sea</p> <p>https://www.navytimes.com/news/your-navy/2019/04/17/why-another-us-destroyer-is-prowling-the-black-sea/?utm_source=Sailthru&utm_medium=email&utm_campaign=ebb%2004.18.10&utm_term=Editorial%20-%20Early%20Bird%20Brief</p>	
<p>The Army has a plan for China, and it's bad news for JLTV and the Chinook</p> <p>https://www.defensenews.com/land/2019/04/17/the-army-has-a-plan-for-china-and-its-bad-news-for-jltv-and-the-chinook/?utm_source=Sailthru&utm_medium=email&utm_campaign=ebb%2004.18.10&utm_term=Editorial%20-%20Early%20Bird%20Brief</p>	
<p>Japan's F-35A jets in 7 emergency landings prior to Pacific crash</p> <p>https://mainichi.jp/english/articles/20190417/p2a/00m/0na/006000c?utm_source=Sailthru&utm_medium=email&utm_campaign=ebb%2004.18.10&utm_term=Editorial%20-%20Early%20Bird%20Brief</p>	
<p>North Korea tests new tactical guided weapon, wants Pompeo dropped from nuclear talks: State media</p> <p>https://www.straitstimes.com/asia/east-asia/north-korean-leader-kim-jong-un-oversees-test-of-new-tactical-guided-weapon-kcna?utm_source=Sailthru&utm_medium=email&utm_campaign=ebb%2004.18.10&utm_term=Editorial%20-%20Early%20Bird%20Brief</p>	
<p>Shamima Begum: Why women support terror</p> <p>https://www.bbc.com/news/world-47653190?utm_source=RUSI+Newsletter&utm_campaign=2cbcf7490-EMAIL_CAMPAIGN_2019_04_04_02_42_COPY_01&utm_medium=email&utm_term=0_0c9bbb5ef0-2cbcf7490-47709521</p>	

<p>Russia's 'Silent' Occupation and Georgia's Territorial Integrity</p> <p>https://rusi.org/commentary/russia%E2%80%99s-%E2%80%98silent%E2%80%99-occupation-and-georgia%E2%80%99s-territorial-integrity?utm_source=RUSI+Newsletter&utm_campaign=2cbcf7490-EMAIL_CAMPAIGN_2019_04_04_02_42_COPY_01&utm_medium=email&utm_term=0_0c9bbb5ef0-2cbcf7490-47709521</p>	
<p>Deterring Russian Aggression in the Baltic States Through Resilience and Resistance</p> <p>https://www.rand.org/pubs/research_reports/RR2779.html?utm_source=WhatCountsEmail&utm_medium=RAND%20Policy%20Currents+AEM:%20%20Email%20Address%20NOT%20LIKE%20DOTMIL&utm_campaign=AEM:631600804</p>	
<p>Protecting Minority Rights to Undermine Russia's Compatriots Strategy</p> <p>https://www.cgai.ca/protecting_minority_rights_to_undermine_russias_compatriots_strategy?utm_campaign=carmentbelo_minorityrights&utm_medium=email&utm_source=cdfai</p>	
<p>Air Force to Begin Shifting Research Funds to These Kinds of Next-Gen Weapons</p> <p>https://www.defenseone.com/technology/2019/04/air-force-begin-shifting-research-funds-these-kinds-next-gen-weapons/156387/?oref=defense_one_breaking_nl</p>	
<p>Government expects to award contract for new fighter jet fleet in 2022 (but admits it could face delays)</p> <p>https://nationalpost.com/news/government-expects-to-award-contract-for-new-fighter-jet-fleet-in-2022-but-admits-it-could-face-delays</p>	

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#airpower

Rethinking the Combat Air Survivability Mix Conference

<https://rusi.org/publication/conference-reports/rethinking-combat-air-survivability-mix-conference>

#Arctic #China

Ice Silk Road sets new direction for Arctic cooperation

<http://www.globaltimes.cn/content/1144755.shtml>

#artificial intelligence

The Artificial Intelligence Weapons Debate

<https://www.bbtimes.com/en/technology/the-artificial-intelligence-weapons-debate>

#Canadian Armed Forces operations

Operations Update – Summary of March 2019

<https://www.canada.ca/en/departement-national-defence/services/operations/military-operations/current-operations/update.html>

Updated 17 April 2019.

#Canadian Security Intelligence Service

Proposed Changes in C-59 Relating to CSIS Authorities

<https://www.canada.ca/en/security-intelligence-service/news/2019/04/proposed-changes-in-c-59-relating-to-csis-authorities.html>

#child soldiers

Child Soldiers International Ceases Operations

https://child.so/CSI_Announcement

This puts even more burden on the Roméo Dallaire Child Soldiers Initiative here in Halifax. Some RUSI(NS) members will recall the talk by Shelley Whitman, Executive Director of the Initiative, a few years ago. Some RUSI(NS) members have qualified on the Initiative's "Veteran Trainers to Eradicate the Use of Child Soldiers" course.

#China #lawfare

China 'to build island city' in South China Sea, US cries foul

<https://www.presstv.com/Detail/2019/03/19/591427/China-island-city-South-China-Sea-US>

Taking the 'Game of (Maritime) Go' to the next level.

#cyber operations #China

What Are China's Cyber Capabilities and Intentions?

<https://theglobalobservatory.org/2019/03/what-are-chinas-cyber-capabilities-intentions/>

#drone

Analysis: Unmanned cargo is no simple delivery

<https://www.flightglobal.com/news/articles/analysis-unmanned-cargo-is-no-simple-delivery-457247/>

Panel: Unmanned Surface Vessels Will be Significant Part of Future U.S. Fleet

<https://news.usni.org/2019/04/15/panel-unmanned-surface-vessels-will-be-significant-part-of-future-u-s-fleet>

#electronic warfare

Report to Congress on U.S. Military Electronic Warfare Research and Development

<https://news.usni.org/2019/04/16/report-to-congress-on-u-s-military-electronic-warfare-research-and-development>

#hybrid warfare

How does NATO counter hybrid threats?

video: https://www.youtube.com/watch?v=i9v_bpGTwOM

#information operations

Information Power!

<https://defenceindepth.co/2019/04/12/information-power/>

Navy, Marines Exercising How to Use Information Warfare in Future Conflicts

<https://news.usni.org/2019/04/12/navy-marines-exercising-how-to-use-information-warfare-in-future-conflicts>

Reminiscent of the Joint Warrior Interoperability Demonstrations and Coalition Warrior Interoperability Demonstrations of the 1990s and 2000s. Canada participated. Great military-industry collaborative exercise events. Very useful approach.

Cyber Interference in the Federal Election? Part 1

<https://www.cips-cepi.ca/2019/04/12/cyber-interference-in-the-federal-election-part-1/>

Cyber Interference in the Federal Election? Part 2

<https://www.cips-cepi.ca/2019/04/12/foreign-cyber-interference-in-the-federal-election-part-2/>

If there is substance to the book "Likewars" then the author of these two articles has underestimated the threat.

#leadership

Orders and Disorder

<https://thearmyleader.co.uk/orders-disorder/>

Task Sifting: A Method of Team Management and Empowerment

<https://fromthegreennotebook.com/2019/04/16/task-sifting-a-method-of-team-management-and-empowerment/>

#NATO

NATO at 70: Modernising for the Future

<http://www.css.ethz.ch/en/services/digital-library/articles/article.html/47d003bc-3b99-4e36-9e5d-1183881b9918>

#research & development #information operations

Navy, Marines Exercising How to Use Information Warfare in Future Conflicts

<https://news.usni.org/2019/04/12/navy-marines-exercising-how-to-use-information-warfare-in-future-conflicts>

Reminiscent of the Joint Warrior Interoperability Demonstrations and Coalition Warrior Interoperability Demonstrations of the 1990s and 2000s. Great military-industry collaborative exercise events.

#shipbuilding

Offshore Fisheries Science Vessels Progress Galleries

photo: <https://nss.seaspan.com/project/offshore-fisheries-science-vessel/>

#space

What does Britain have in the works for its upcoming space strategy?

<https://www.defensenews.com/digital-show-dailies/space-symposium/2019/04/05/what-does-britain-have-in-the-works-for-its-upcoming-space-strategy/>

The RUSI(NS) VP hopes to arrange a speaker from DG Space sometime in the next year.

Space Power: A Personal Theory of Power and the Buttress of the Modern Military

<https://thestrategybridge.org/the-bridge/2014/5/29/space-power-a-personal-theory-of-power-and-yhe-buttress-of-the-modern-military>

#strategy

New Voices in Grand Strategy

<https://www.cnas.org/publications/reports/new-voices-in-grand-strategy>

Monograph: <https://s3.amazonaws.com/files.cnas.org/documents/Grand-Strategy-Report-Final-online-1.pdf>

US, yes, but thinking of one's own grand strategy should be with consideration of others', especially that of major powers/allies. And with Canada having an election coming up...

Lessons of the War in Ukraine for Western Military Strategy

<http://www.css.ethz.ch/content/dam/ethz/special-interest/gess/cis/center-for-securities-studies/pdfs/CSSAnalyse242-EN.pdf>

#tunnel war

Army Wants a Tunnel Mapper Usable on an Unmanned System

<http://insideunmannedsystems.com/army-wants-a-tunnel-mapper-usable-on-an-unmanned-system/>

I wonder what they used during sieges of castles in medieval times...

#warfare

The Proliferation of Tunnel Warfare

<https://geopoliticalfutures.com/proliferation-tunnel-warfare/>

Other:

RCAF Journal - Fall 2018 - Volume 7, Issue 4 (appears to be the latest online)

<http://www.rcfarc.forces.gc.ca/en/cf-aerospace-warfare-centre/elibrary/journal/2018-vol7-iss4-fall.page>

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The Commander-Staff Dynamic: Understanding the Respective Roles and Responsibilities of the Commander and Staff in Military Operations

Targeting, Air Intelligence and Strike Warfare Theory and Practice, Part I

Air Power Mastery and Air Power Applications in the Joint Domain

Warden's "Five Strategic Rings" and Air Power during the Iraq War

Reflections on Air Power: Definitions, Aspects and Application

The Voice of War

"They Toil without Glory": Honour-Bearing Status for Non-flying Units

archived RCAF Journals: <http://www.rcfarc.forces.gc.ca/en/cf-aerospace-warfare-centre/elibrary/journal/archives.page>

Canadian Army Today Spring 2019, March 25, 2019

<https://canadianarmytoday.com/>

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Uniting the Army's X-Men

A paratrooper's first jump

De la protection des forces aux médecins volants

Life extension plans for the Leos

Taking aim at new sniper systems

A better way to buy C4ISR?

LAVs: Mobile, lethal and better protected