



Royal United Services Institute of Nova Scotia

Dispatches

25 October 2019

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.

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.

Cancelled: 25 October, Friday - Dalhousie University Schulich School of Law Marine & Environmental Law Institute speaker Yngvil Erichsen, University of Bergen, on "Polar Shipping."

4 November, Monday – Dalhousie University Centre for the Study of Security and Development presentation "Obama's foreign policy legacy." 5:30 to 7 pm. Games Room, Dalhousie University Club. See: https://www.dal.ca/sites/cssd/news-events/events-calendar/2019/11/04/roundtable_on_obama_s_foreign_policy_legacy.html for more information.

5 November, Tuesday - Evenings @ Government House presentation by Leo Deveau "The Princess Louise Fusiliers: 150 Years of Service and Sacrifice" to mark the 150th anniversary of this renowned Halifax based infantry regiment. 7:00 pm - 8:30 pm (doors open at 6:30 pm). Government House, 1451 Barrington Street, Halifax. Registration: call 902-424-7001 or online <https://lt.gov.ns.ca/>.

6 November, Wednesday - Remembrance Dinner. Evening. Royal Artillery Park Officers' Mess.

9 November, Saturday - Library and Archives Canada Halifax office workshops "In the Trenches: Digitized First World War Records." "This introductory workshop teaches participants how to access Canadian Expeditionary Force service files online, identify an individual's military unit, and consult various digitized resources such as war diaries to learn the context of a person's military service. Laptops will be provided to complete search exercises. Please register as space is limited. To register, please contact the Library and Archives Canada Halifax office by email at bac.halifax.lac@canada.ca or by phone at 902-426-4031. 10:30 am to 12:00 pm, Central Library, RBC Learning Centre, 3rd floor. Link to Halifax Public Libraries event notice:

<https://halifax.bibliocommons.com/events/search?q=in%20the%20trenches/event/5d8bac7943b005230e00d5a>"

11 November, Monday - Remembrance Day Parade. Forenoon. Royal Artillery Park.

20 November, Wednesday - Distinguished Speaker Craig Dalton, Veterans Ombudsman, about veterans affairs. 1130-1330. Royal Artillery Park Officers' Mess.

5 May 2020 - commemoration of the 75th Anniversary of the Liberation of the Netherlands. Contact Peter Stoffer or email RUSINovaScotia@gmail.com for information.

Recent Publications:

New: RUSI(NS) Presentation "'Sino-Russian Cooperation in the #Arctic: A Cause for Concern for the West?'" <https://rusi-ns.ca/sino-russian-cooperation-in-the-arctic-a-cause-for-concern-for-the-west/>, Adam MacDonald, 17 October 2019

RUSI(NS) Paper "Recruiting and Retention in the Canadian Armed Forces" <https://rusi-ns.ca/recruiting-and-retention-in-the-canadian-armed-forces/>, 7 October 2019

The United Services Institute of Nanaimo and North Island (USINNI) Newsletter Vol 27 No 10 October 2019 is available on request to RUSINovaScotia@gmail.com.

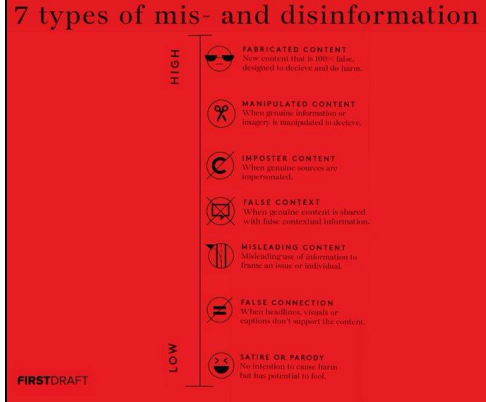
The Military Institute of Windsor Communiqué, Volume XXXVII Number 9 October 2019 is available on request to RUSINovaScotia@gmail.com.

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.

Insightful analysis & commentary by Adam MacDonald @AdamPMac @DalhousieU "Sino-Russian Cooperation in the #Arctic: A Cause for Concern for the West?" to RUSI(NS) & guests 16Oct19. CAN grand strategy needs debate, especially for our North. @dalcssd
RUSI(NS) retweeted: Presentation "Sino-Russian Cooperation in the #Arctic: A Cause for Concern for the West?" <https://rusi-ns.ca/sino-russian-cooperation-in-the-arctic-a-cause-for-concern-for-the-west/>



STRATCOMCOE @STRATCOMCOE 22 Oct tweeted and RUSI(NS) retweeted: Read @firstdraftnews's guide to understanding information disorder: (Information disorder: 'The techniques we saw in 2016 have evolved'
<https://firstdraftnews.org/information-disorder-the-techniques-we-saw-in-2016-have-evolved/>)



23 October is Kootenay Day in Nova Scotia & Halifax. Today at Bonaventure Memorial, #Halifax, we remember those lost & hurt in #HMCSKootenay explosion #50years ago, #23October1969. #Kootenay50 #WeAreAsOne #RCNavy



Sea trials of #RCNavy #Arctic&Offshore Patrol Vessel landing craft successfully completed, 1st craft delivered
<https://shipsforcanada.ca/our-stories/aops-landing-craft-ready-for-action> Significant capability for Harry DeWolf-class ships to operate off austere shores globally. Bravo @IrvingShipbuild #AOPS #ExcellenceAtSea
 (AOPS Landing Craft Ready for Action)



Posted on Facebook Royal United Services Institute NS with comments:

The Nonintervention Delusion
<https://www.foreignaffairs.com/articles/2019-10-15/nonintervention-delusion>



Foreign Affairs article "The Nonintervention Delusion: What War Is Good For." Author Richard Fontaine argues that nonintervention must be considered carefully as there, are at times, reasons that it may not be the appropriate option. In doing so Fontaine examines all current arguments for non-intervention and refutes them.

Howard Coombs
CDAI

How the Army must (re)envision integrating cyber tools

<https://www.fifthdomain.com/show-reporter/ausa/2019/10/15/how-the-army-must-reenvision-integrating-cyber-tools/>

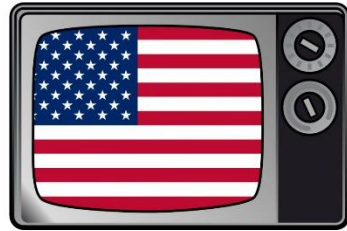


"...Cyber Situational Understanding, a command post tool that will help commanders envision the cyber environment."

"...focused on understanding how to incorporate cyber situational awareness and understanding into mission command at the tactical level."

The Soft Power of an American Cartoon: South Park and the Information War with China

<https://mwi.usma.edu/soft-power-american-cartoon-south-park-information-war-china/>



"China knows it is in an information war with the West..."

"...an asymmetric approach for weaker countries...to compete in a high-tech fashion against the technologically more advanced and economically more powerful..., identifying societies as the next battlefield."

"...the two sides are locked in an information war, and the United States [read: the West] must gain a comparative advantage in leveraging this newly emerging battlespace where image is everything."

Note link to: "Unrestricted Warfare" (www.cryptome.org/cuw.htm).

Navy decommissions two Inshore Patrol Vessels

<https://medium.com/@nzdefenceforce/navy-decommissions-two-inshore-patrol-vessels-596a361f2a63>



Two points of interest from the article:

1. The Royal New Zealand Navy (RNZN) uses the term 'decommission' in lieu of 'paying off' (teh Royal

Canadian Navy uses the latter as part of disposing of a warship). Or at least the reporter writes 'decommission,' and the reporter appears to be "New Zealand Defence Force".

2. The cloak (Maori?) worn by an admiral in the picture. Significance? Religious? Is the cloak a gift, either from commissioning or decommissioning? Her Majesty's Canadian Ship MICMAC was presented with such gifts upon her launch. Or was the cloak presented to the Commander of the Navy? Is it indicative of the extent the RNZN includes indigenous aspects in their ceremonies? These days the Canadian Armed Forces routinely includes First Nations in ceremonies.

Navy, Marines Wargaming New Gear to Support Emerging Warfare Concepts

<https://news.usni.org/2019/10/23/navy-marines-wargaming-new-gear-to-support-emerging-warfare-concepts>

Maritime Fight Brief - "investments would change in the near-term to create more commonality and integration among systems that could be used together in (a warfare) domain."



USAF takes delivery of its first laser powered anti-drone buggy

<https://hexus.net/ce/news/automotive/136022-usaf-takes-delivery-first-laser-powered-anti-drone-buggy/>



"...high-energy laser weapon system built into this unmanned all-terrain vehicle can deliver dozens of precise laser shots to identified targets, from a single charge from a standard power outlet."

The science-fiction future is here, now. Assuredly this technology will proliferate (hopefully only amongst friends). Needs to.







Do microwave cones have a place in the counterdrone zone?

<https://www.c4isrnet.com/battlefield-tech/2019/10/23/do-microwave-cones-have-a-place-in-the-counter-drone-zone/>



Cool looking! Hmm, is this the appearance of future weapons, or at least the microwave ones? Do microwave weapons have applicability at sea and in the air?

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

 <p>RUSI www.rusi.org</p> <h1>This Week</h1> <p>https://mailchi.mp/rusi.org/thisweek-18-october-166905?e=a539211a30</p>	
<p>First look: Canada's newest search and rescue plane rolls off production line</p> <p>https://vancouverisland.ctvnews.ca/first-look-canada-s-newest-search-and-rescue-plane-rolls-off-production-line-1.4643246</p>	
<p>Kobani Today, Krakow Tomorrow</p> <p>https://foreignpolicy.com/2019/10/16/trump-abandoned-the-kurds-poland-and-the-baltics-could-be-next/?utm_source=PostUp&utm_medium=email&utm_campaign=15691&utm_term=Flashpoints%20OC</p>	
<p>Taiwan Needs a Maoist Military</p> <p>https://foreignpolicy.com/2019/10/17/taiwan-maoist-military-china-navy-south-china-sea/?utm_source=PostUp&utm_medium=email&utm_campaign=15544&utm_term=Editor#39;s%20Picks%20OC</p>	
<p>Top SDF Commander: Turkey Blocking Kurds' Retreat; Urges Trump to 'Stop This War'</p> <p>https://www.defenseone.com/threats/2019/10/top-sdf-commander-says-turkey-blocking-kurds-retreat-urges-trump-stop-war/160722/?oref=defense_one_breaking_nl</p>	

The US Army Wants to Reinvent Tank Warfare with AI

https://www.defenseone.com/technology/2019/10/us-army-wants-reinvent-tank-warfare-ai/160720/?oref=defense_one_breaking_nl



Xinjiang Backlash Is Hitting Chinese Firms Hard

https://foreignpolicy.com/2019/10/18/xinjiang-sanctions-chinese-firms-surveillance/?utm_source=PostUp&utm_medium=email&utm_campaign=15546&utm_term=Editor#39;s%20Picks%20OC



The F-35 jet might hit full-rate production more than a year late

https://www.defensenews.com/air/2019/10/18/the-f-35-may-hit-full-rate-production-more-than-a-year-late/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2010.21.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



Japan to send own force, won't join US coalition for Mideast

https://www.navytimes.com/news/your-navy/2019/10/19/japan-to-send-own-force-wont-join-us-coalition-for-mideast/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2010.21.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



Urgent: Move US Nuclear Weapons Out Of Turkey

https://fas.org/blogs/security/2019/10/nukes-out-of-turkey/?utm_source=FAS+General&utm_campaign=42d1c88ce3-EMAIL_CAMPAIGN_2017_02_21_COPY_01&utm_medium=email&utm_term=0_56a7496199-42d1c88ce3-222212713



Russian Bombers to Land in South Africa During Unprecedented Deployment

https://www.military.com/daily-news/2019/10/21/russian-bombers-land-south-africa-during-unprecedented-deployment.html?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2010.22.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



South Korea scrambled jets to warn Russian warplanes in air defense zone

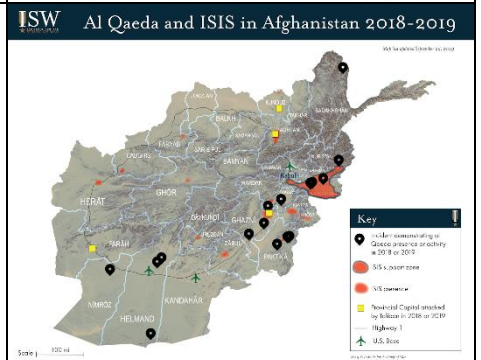
https://www.reuters.com/article/us-southkorea-russia-air-space/south-korea-says-scrambled-fighters-after-russian-warplanes-violated-air-defense-zone-idUSKBN1X10QQ?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2010.22.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



REUTERS

Al Qaeda Expands its Presence in Afghanistan

<http://iswresearch.blogspot.com/2019/10/al-qaeda-expands-its-presence-in.html>



Facebook, Czech Republic Shut Down More Russian Influence, Espionage Efforts

https://www.defenseone.com/technology/2019/10/facebook-czech-republic-shut-down-more-russian-influence-espionage-efforts/160783/?oref=defenseone_today_nl



Will America's Next Long-Range Air-to-Air Missile Match Up to China's?

https://www.defenseone.com/ideas/2019/10/will-americas-next-long-range-air-air-missile-match-chinas/160771/?oref=defenseone_today_nl



Japan's Active Defence Force

https://defence.frontline.online/article/2019/3/12632-Japans-Active-Defence-Force?utm_source=FrontLine+e-Newsletter&utm_campaign=3f609d5f92-EMAIL_CAMPAIGN_2019_10_23_03_37&utm_medium=email&utm_term=0_c695d3fd22-3f609d5f92-89113457



Germany Chooses China Over the West

https://foreignpolicy.com/2019/10/21/germany-merkel-chooses-china-over-united-states-eu-huawei/?utm_source=PostUp&utm_medium=email&utm_campaign=15705&utm_term=Flashpoints%20OC



Today's letters: The anniversary of a naval disaster

<https://ottawacitizen.com/opinion/letters/todays-letters-the-anniversary-of-a-naval-disaster>



Analysis: Defence issues could be on the back burner as minority Liberal government focuses on survival

<https://ottawacitizen.com/news/national/defence-watch/analysis-defence-issues-could-be-on-the-back-burner-as-minority-liberal-government-focuses-on-survival>



Chinese ship leaves Vietnam's waters after disputed South China Sea surveys

https://www.reuters.com/article/us-vietnam-southchinasea/chinese-ship-leaves-vietnams-waters-after-disputed-south-china-sea-surveys-idUSKBN1X30EK?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2010.24.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



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

#artificial intelligence

Our Future Lies in Making AI Robust and Verifiable

<https://warontherocks.com/2019/10/our-future-lies-in-making-ai-robust-and-verifiable/>

#China

Crossing the River by Feeling the Stones: The Trajectory of China's Maritime Transformation

<https://rusi.org/publication/occasional-papers/crossing-river-feeling-stones-trajectory-chinas-maritime>

#economic warfare

Countering China's Economic Coercion: No Fear but Resolve, No Illusion but Diversification

<https://www.macdonaldlaurier.ca/infographic-countering-chinas-economic-coercion/>

and

http://macdonaldlaurier.ca/files/pdf/20190827_China_Economic_Coercion_Chen_PAPER_FWeb.pdf

#collaboration

Partnerships are at the Core of Modern Deterrence

<https://rusi.org/commentary/partnerships-are-core-modern-deterrence>

#cyber ops

'No such thing' as cyber warfare: Australia's head of cyber warfare

<https://www.zdnet.com/article/no-such-thing-as-cyber-warfare-australias-head-of-cyber-warfare/>

#drones

Airports and Unmanned Aircraft Systems, Volume 2: Incorporating UAS into Airport Infrastructure—
Planning Guidebook

<https://www.nap.edu/catalog/25606/airports-and-unmanned-aircraft-systems-volume-2-incorporating-uas-into-airport-infrastructure-planning-guidebook>

Airports and Unmanned Aircraft Systems, Volume 3: Potential Use of UAS by Airport Operators

<https://www.nap.edu/catalog/25607/airports-and-unmanned-aircraft-systems-volume-3-potential-use-of-uas-by-airport-operators>

#information operations

BBC News launches 'dark web' Tor mirror

<https://www.bbc.com/news/technology-50150981>

#laws of conflict

Artificial Intelligence-Enabled Autonomous Weapon Systems and the Laws of Armed Conflict

<http://thesimonscenter.org/featured-article-artificial-intelligence-enabled-autonomous-weapon-systems/>

#money laundering

Deep Impact? Refocusing the Anti-Money Laundering Model on Evidence and Outcomes

<https://rusi.org/publication/occasional-papers/deep-impact-refocusing-anti-money-laundering-model-evidence-and>

Other:

COUNTERING CHINA'S ECONOMIC COERCION

Canada must do more to diversify trade away from China. Beyond that, what options are on the table to counter China's economic coercion?

4 POTENTIAL OPTIONS

- Register and scrutinize all the R&D funding sources from China and sever the ones that aim to steal our intellectual property.
- Ban Huawei from any involvement in Canada's 5G wireless network, given that it poses a direct threat to our national security.
- Expand existing insurance programs to help Canadian farmers cope with China's economic coercion
- Withdraw Canada's membership from the AIIB, which serves as an important institutional representation of China's global power.

The infographic features a background map of Asia and the Pacific Ocean with the Chinese flag overlaid. A central red circle with a white maple leaf contains the number '4' and the text 'POTENTIAL OPTIONS'. Four colored boxes (orange, blue, green, yellow) contain the specific options listed above.