



Royal United Services Institute of Nova Scotia

Dispatches

6 December 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.

11 December, Wednesday – NS Naval Association of Canada Christmas Party. 1130 for 1200. Royal Artillery Park Officers' Mess. This event is open to spouses, partners and friends. Cost per person \$15. The Charity Basket will be open to receive donations (the NS NAC charity fund will be applied to the Bermuda Project). There will be a receipt book handy for those who would like a receipt. NS NAC will also have a basket available for donations to the RA Park Staff Christmas Gratuity. Please let Don Uhrich dguhrich@eastlink.ca 902-407-2352 know as soon as possible if you will be attending.

22 January 2020, Wednesday - Distinguished Speaker to be announced, likely from 5 Canadian Division. 1130-1330. Royal Artillery Park Officers' Mess.

12 February 2020 – Distinguished Speaker. 1130-1330 RA Park. Speaker TBA

18 March 2020 – Distinguished Speaker. 1130-1330 RA Park. Speaker TBA

Recent Publications:

The United Services Institute of Nanaimo and North Island (USINNI) Newsletter Vol 27 No 12 December 2019 is available on request to RUSINovaScotia@gmail.com.

Defense One eBooks and Special Reports

<https://link.defenseone.com/view/56c715c86e4adc434d8b5279b6u0f.87j/97f16991>

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.

NATO CCDCOE @ccdcoe 28 Nov tweeted and RUSI(NS) retweeted: Definitely, the sky is not the limit when we speak of potential areas of cooperation in #cyberdefence. Honoured to host @GGJuliePayette and the CA delegation in the @ccdcoe, looking forward to have Canada joining 25 nations @ccdcoe soon to make the cyberspace safer place.



Irving Shipbuilding @IrvingShipbuild 28 Nov tweeted: Canada's lead Arctic and Offshore Patrol Ship, the future HMCS Harry DeWolf, has successfully completed initial Builder's Sea Trials! Proudly built for the men & women of the @RoyalCanNavy.

RUSI(NS) retweeted: Several names for warship tests&trials: pre-acceptance & post-acceptance preferred Within those periods can be alongside & sea trials, Navy & builder's trials, some per building contract & some outsid. Bravo men&women of @IrvingShipbuild



STRATCOMCOE @STRATCOMCOE 29 Nov tweeted and RUSI(NS) retweeted: "Meme wars are a consistent feature of our politics, and they're not just being used by internet trolls or some bored kids in the basement, but by governments, political candidates, and activists across the globe" Read about memetics from @techreview:

(How memes got weaponized: A short history

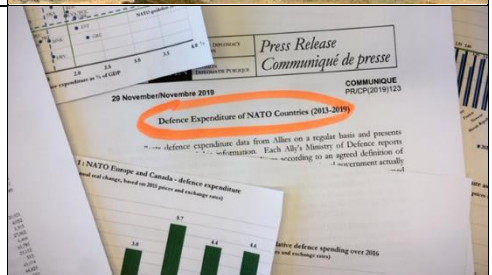
<https://www.technologyreview.com/s/614572/political-war-memes-disinformation/>)



Defence Expenditure of NATO Countries (2013-2019)

https://www.nato.int/cps/en/natohq/news_171356.htm

"...figures shown in report may diverge considerably from those quoted by media, published by national authorities or given in national budgets"



Canadian Global Affairs Institute @CAGlobalAffairs 29 Nov tweeted and RUSI(NS) retweeted: At more than 60 years old, how does #NORAD remain relevant? Check out our new joint policy paper with The School of Public Policy from Michael Dawson, and remember to mark down January 29 for Modernization of North American Defence conference in Ottawa: https://cgai.ca/norad_remaining_relevant (NORAD: Remaining Relevant)



CDN Naval Review @CdnNavalReview 29 Nov tweeted and RUSI(NS) retweeted: Without quick action on icebreakers, if there's shipping disaster in Arctic, Canada and/or US will have to ask Russia for help. "David J. Bercuson: Russia set to dominate the Arctic unless Canada acts quickly to address shipping concerns <http://nationalpost.com/wcm/942119df-00a5-4bd1-adf9-45253fd5a2bb> via @nationalpost



CDN Naval Review @CdnNavalReview 29 Nov tweeted and RUSI(NS) retweeted: Danish intelligence report says China is mixing military research with scientific research in the Arctic. Probably not there for the weather! "China mixing military and science in Arctic push: Denmark" (<https://ca.reuters.com/article/topNews/idCAKBN1Y3116>)



Canadian Coast Guard @CoastGuardCAN 30 Nov tweeted: News from #NovaScotia: We're taking measures to secure and stabilize the Cormorant, docked in Bridgewater, to eliminate any threat of pollution posed by the vessel. Our #EnvironmentalResponse crews are on scene starting work. First job is to secure the vessel. RUSI(NS) retweeted: Bravo @CoastGuardCAN! For readers: CORMORANT is former #RCNavy vessel (has been disposed by CAN gov't) which in @RoyalCanNavy service supported surface-supplied diving & operated 2 Submersible Diver Lockout mini-submarines http://www.forposterityssake.ca/Navy/HMCS_CORMORANT_20.htm



NATO Association @NATOCanada 2 Dec tweeted and RUSI(NS) retweeted: A memorable article of this past year emphasizing the rising threat of #cyber #security breaches and the need for #international #law dictating cyber security to be further developed. #WeAreNATO
(Filling Gaps: Cyberspace & Grey Zone Dangers
<http://natoassociation.ca/filling-gaps-cyberspace-grey-zone-dangers/>)



Jens Stoltenberg @jensstoltenberg 4 Dec tweeted and RUSI(NS) retweeted: NATO guarantees the security of our territory & our 1 billion citizens, our freedom and the values we share. Read the whole #NATO Leaders' meeting statement here: bit.ly/natoleadersmeeting #NATOmeeting | #NATOLondon
(London Declaration
https://www.nato.int/cps/en/natohq/official_texts_171584.htm)



David Pugliese @davidpugliese 3 Dec tweeted and RUSI(NS) retweeted: The latest on Defence Watch...Analysis: NATO's defence budget formula is flawed — and Canada isn't going to meet its target
(<https://ottawacitizen.com/news/national/defence-watch/analysis-natos-defence-budget-formula-is-flawed-and-canada-isnt-going-to-meet-its-target>)



Canadian Forces @CanadianForces 3 Dec tweeted and RUSI(NS) retweeted: Wondering what goes into the \$60 billion price tag for building 15 new ships that will be the backbone of the #RCNavy? We've got your answer here. #WellEquipped
video:
<https://twitter.com/CanadianForces/status/1201893860411994112>



Canadian Global Affairs Institute @CAGlobalAffairs 3 Dec tweeted and RUSI(NS) retweeted: CGAI Vice President and Senior Analyst @DavePerryCGAI latest paper looks at the past, present, and what to expect for the future state of defence #procurement in the new, 43rd parliament:
(The Defence Procurement Outlook for Canada's 43rd Parliament
cgai.ca/the_defence_procurement_outlook_for_canadas_43rd_parliament)



NCI Agency @NCIAgency 4 Dec tweeted and RUSI(NS) retweeted: #NATOMeeting leaders have confirmed space as an operational domain for the Alliance. We'll continue to support @NATO to keep its edge in space. Here is what we have done so far.

(NCI Agency provides critical support to development of new NATO space policy

<https://www.ncia.nato.int/NewsRoom/Pages/20190726-NCI-Agency-provides-critical-support-to-development-of-new-NATO-space-policy.aspx>)



Posted on Facebook Royal United Services Institute NS with comments:

China joins the global disinformation order

<https://www.aspistrategist.org.au/china-joins-the-global-disinformation-order/>



"But until the technology giants become better corporate citizens and politicians commit to securing elections, voters in democracies will remain soft targets for computational propaganda—from a growing number of countries with increasingly sophisticated technologies.

Please explain: SEA 1000 costs and delivery time balloon again

<https://www.defenceconnect.com.au/maritime-antisub/5228-please-explain-sea-1000-costs-balloon-again>



"The latest round of Senate estimates hearings has revealed a startling cost explosion for Australia's Attack Class future submarines, raising questions about affordability and a potential capability gap leaving the nation exposed at a time when half of the world's combat submarines are expected to be operating in the Indo-Pacific."

And what will be the Canadian experience with our next boats?

Unmanned in demand

<https://canadianarmytoday.com/unmanned-in-demand/>



"The Army is still maturing concepts of operation for (Unmanned ground vehicles) as it develops the business case for investment...but might acquire "a few platforms to provide to the Combat Training Centre to define how this thing could be useful in the battlespace" in the next fiscal year."

U.S. Navy Plans To Stop Buying P-8 Poseidon Sub Hunters Despite Growing Undersea Threat

<https://www.forbes.com/sites/lorenthompson/2019/12/02/us-navy-plans-to-stop-buying-p-8-poseidon-sub-hunters-despite-growing-undersea-threat/#51b301e759fe>



Looks like there will be a greater need for the CP140 Aurora aircraft of the Royal Canadian Air Force to patrol our ocean approaches and ensure we know what's lurking there. Canada is a maritime nation.

More defence spending will support Canadian arctic sovereignty, experts say

<https://ipolitics.ca/2019/12/03/more-defence-spending-will-support-canadian-arctic-sovereignty-experts-say/>



"To establish Arctic power, ...Canada needs to improve Arctic communications with satellites, more regularly send up aircraft to be stationed in the Arctic, and exercise some significant military exercises, either alone or with allies."

Leveraging Media Coverage of Disasters to Support Disaster Risk Reduction

<https://www.cigionline.org/publications/leveraging-media-coverage-disasters-support-disaster-risk-reduction>



Considering the part played by the Canadian Armed Forces in disaster response assistance, both domestic and international, there may be thoughts here for CAF and Department of National Defence communications staff.

Lima Charlie: Why Is HMS Queen Elizabeth So Important To Royal Navy Capability?

<https://www.forces.net/analysis/lima-charlie-why-hms-queen-elizabeth-so-important-royal-navy-capability>



An article reflecting on a navy's operational development. Yes, it's a foreign navy, but the Royal Canadian Navy operates with and therefore considers how the Royal Navy and other allied navies are developing.

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.



RUSI
Focus
MONTHLY UPDATE FROM
THE ROYAL UNITED SERVICES INSTITUTE

<https://mailchi.mp/rusi.org/november-2019-newsletter-167217?e=a539211a30>

The graphic features the RUSI logo at the top left, the word "Focus" in a large serif font, and the text "MONTHLY UPDATE FROM THE ROYAL UNITED SERVICES INSTITUTE" below it. A large, faint watermark of a cross with wings is visible in the background.

Veterans Affairs rejects pitch for social media influencers in \$7M outreach contract

<https://www.cbc.ca/news/somnium-1.5377108>



Trudeau to attend NATO leaders meeting in U.K., 70th anniversary of alliance

<https://toronto.citynews.ca/2019/11/28/trudeau-to-attend-nato-leaders-meeting-in-u-k-70th-anniversary-of-alliance/>



Despite U.S. calls for more, Canada's defence spending set to stay the same

<https://www.msn.com/en-ca/news/canada/despite-us-calls-for-more-canadas-defence-spending-set-to-stay-the-same/ar-BBXx95Y?ocid=se>



'We are in active daily crisis,' Defence chief says

<https://ipolitics.ca/2019/11/29/we-are-in-active-daily-crisis-defence-chief-says/>



Strengthening the Role of Human Security in NATO Operations

<https://carnegieeurope.eu/2019/11/28/strengthening-role-of-human-security-in-nato-operations-pub-80442>



Enabling NATO for 21st Century Operations: Fielding Agile, Responsive and Innovative Reserve Forces

https://www.cgai.ca/enabling_nato_for_21st_century_operations_fielding_agile_responsive_and_innovative_reserve_forces?utm_campaign=29_11_19_roundup&utm_medium=email&utm_source=cdfai



As its powers grow, cyber intelligence agency looks to fill hundreds of job vacancies

<https://www.cbc.ca/news/somnia-1.5378493>



COMMENTARY: Infighting among members weakens NATO alliance

<https://globalnews.ca/news/6233136/nato-anniversary/>



'Relationship is paramount': U.S., Canadian coast guards rely on each other to save lives

<https://www.cbc.ca/news/canada/windsor/us-canadian-coast-guards-1.5372435>



NATO summit expected to put Canada under pressure on multiple fronts

<https://www.cbc.ca/news/somni-1.5378940>



NATO Should End its Open-Door Policy

https://www.defenseone.com/ideas/2019/11/nato-should-end-its-open-door-policy/161595/?oref=defenseone_today_nl



North Korea may deploy 'super-large' rocket launcher soon

https://www.militarytimes.com/flashpoints/2019/12/01/north-korea-may-deploy-super-large-rocket-launcher-soon/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2012.02.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



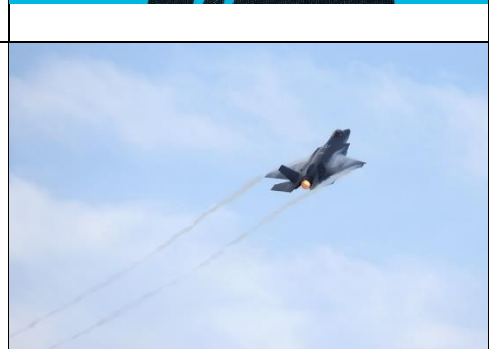
NATO secretary general: Alliance's 70th a time for celebration, but not for complacency

https://www.defensenews.com/outlook/2019/12/02/nato-secretary-general-alliances-70th-a-time-for-celebration-but-not-for-complacency/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2012.02.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



US officials welcome Norway's new F-35 capabilities in an increasingly competitive Northern Europe

https://www.stripes.com/news/europe/us-officials-welcome-norway-s-new-f-35-capabilities-in-an-increasingly-competitive-northern-europe-1.608872?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2012.02.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



Britain's defense ties to the EU are still up in the air post-Brexit

https://www.defensenews.com/global/europe/2019/11/29/britains-defense-ties-to-the-eu-are-still-up-in-the-air-post-brexit/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2012.02.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



Macron says Russia is no longer NATO's enemy

https://www.washingtonexaminer.com/news/macron-says-russia-is-no-longer-natos-enemy/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2012.02.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



Prime minister's aircraft grounded after hangar accident

<https://www.cbc.ca/news/politics/prime-minister-airbus-grounded-trudeau-1.5381367>



The Surest Way to Lose to China Is to Disparage Expertise

[https://www.defenseone.com/ideas/2019/12/surest-way-lose-china-disparage-expertise/161598/?oref=defenseone today nl](https://www.defenseone.com/ideas/2019/12/surest-way-lose-china-disparage-expertise/161598/?oref=defenseone%20today%20nl)



Defense budgets set to dominate yet another NATO summit

https://www.militarytimes.com/news/pentagon-congress/2019/12/02/defense-budgets-set-to-dominate-yet-another-nato-summit/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2012.03.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



NATO under friendly fire as leaders ready for London summit

https://www.militarytimes.com/news/your-military/2019/12/02/nato-under-friendly-fire-as-leaders-ready-for-london-summit/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2012.03.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



NATO's Allied Transformation Command deputy on China, space and future threats

https://www.defensenews.com/smr/nato-2020-defined/2019/12/02/natos-allied-transformation-command-deputy-on-china-space-and-future-threats/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2012.03.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



NATO Must Engage in the Arctic

https://www.defenseone.com/ideas/2019/09/its-time-nato-arctic/159887/?oref=defense_one_breaking_nl



The Defence Procurement Outlook for Canada's 43rd Parliament

https://www.cgai.ca/the_defence_procurement_outlook_for_canadas_43rd_parliament?utm_campaign=pp_defenceprocurement&utm_medium=email&utm_source=cdfai



Belarus May Be Key to Solving NATO's Problems with Russia

https://foreignpolicy.com/2019/12/03/tensions-russia-nato-eastern-europe-militarized-belarus/?utm_source=PostUp&utm_medium=email&utm_campaign=18582&utm_term=Editor#39;s%20Picks%20OC



Russian Trolls Are Hammering Away at NATO's Presence in Lithuania

https://www.defenseone.com/technology/2019/12/russian-trolls-are-hammering-away-natos-presence-lithuania/161654/?oref=defenseone_today_nl



NATO Should Count Spending on Secure 5G Towards Its 2% Goals

https://www.defenseone.com/ideas/2019/12/nato-should-count-secure-5g-spending-towards-its-2-goals/161648/?oref=defenseone_today_nl



Coming in 2020: A new technology to link F-35 simulators across the globe

https://www.defensenews.com/digital-show-dailies/itsec/2019/12/04/coming-in-2020-a-new-technology-that-will-link-f-35-simulators-across-the-globe/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2012.04.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



Kremlin says NATO's spending plans confirm its fears about the alliance

https://www.reuters.com/article/us-nato-summit-kremlin/kremlin-says-natos-spending-plans-confirm-its-fears-about-the-alliance-idUSKBN1Y8134?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2012.04.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



Top U.S. general and senior Chinese counterpart speak on phone: U.S. military

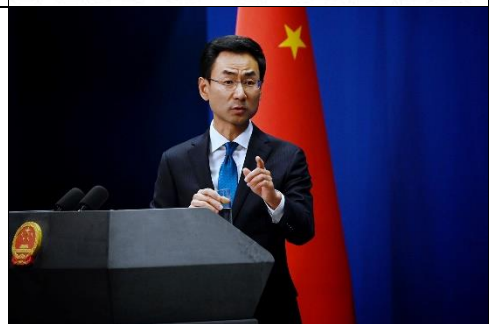
https://www.reuters.com/article/us-usa-china-military/top-u-s-general-and-senior-chinese-counterpart-speak-on-phone-u-s-military-idUSKBN1Y72S0?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2012.04.19&utm_term=Editorial%20-%20Early%20Bird%20Brief







REUTERS

Chinese Diplomacy Takes an Aggressive Turn

https://foreignpolicy.com/2019/12/04/china-diplomacy-hong-kong-protests-human-rights-democracy-italy-united-states/?utm_source=PostUp&utm_medium=email&utm_campaign=18597&utm_term=Editor#39;s%20Picks%20OC



<p>Canada increases contribution to NATO high readiness force</p> <p>https://www.rcinet.ca/en/2019/12/04/canada-increases-contribution-to-nato-high-readiness-force/</p>	
<p>NATO's secretary general lauds Canada's role in strengthening alliance</p> <p>https://www.cbc.ca/news/somni-1.5383437</p>	
<p>Sustaining NATO Force Generation in the 21st Century: Rebuilding Alliance Reserve Forces Post-Mission</p> <p>https://www.cgai.ca/sustaining_nato_force_generation_in_the_21st_century_rebuilding_alliance_reserve_forces_post_mission?utm_campaign=pp_sustainingnatoforce&utm_medium=email&utm_source=cdfai</p>	
<p>Cubic seeks 2020 contract to integrate the F-35 with a cutting-edge training tool</p> <p>https://www.defensenews.com/digital-show-dailies/itsec/2019/12/04/cubic-seeks-2020-contract-to-integrate-the-f-35-with-a-cutting-edge-training-tool/</p>	

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

#Arctic

Report to Congress on Changes in the Arctic

<https://news.usni.org/2019/12/03/report-to-congress-on-changes-in-the-arctic-3>

#China

Water Wars: Breezy Days in Bangkok

<https://www.lawfareblog.com/water-wars-breezy-days-bangkok>

An interesting run down on geo-political maneuvering in the SE Asia region. A region our ships are not infrequently sailing.

#drones

Are drone swarms the future of aerial warfare?

<https://www.theguardian.com/news/2019/dec/04/are-drone-swarms-the-future-of-aerial-warfare>

#NATO

Prime Minister concludes productive NATO Leaders Meeting

<https://pm.gc.ca/en/news/news-releases/2019/12/04/prime-minister-concludes-productive-nato-leaders-meeting>

"Canada is expanding its commitment to the NATO Readiness Initiative by increasing our contribution by 6 fighter aircraft and a frigate... This brings our total commitment to 12 CF-18s (sic, CF188), an expeditionary air task force, a maritime patrol aircraft, three frigates, a submarine, a mechanized infantry battalion, a mobile hospital, and a platoon for chemical, biological, radiological and nuclear decontamination."

#naval weapons

Report on Navy Laser, Railgun and Gun-Launched Guided Projectiles

<https://news.usni.org/2019/11/28/report-on-navy-laser-railgun-and-gun-launched-guided-projectiles-2>

#reading

Christmas Leadership Book List 2019

<https://thearmyleader.co.uk/christmas-leadership-book-list-2019/>

NATO Multimedia Library October-December 2019 Acquisitions List

http://www.natolibguides.info/ld.php?content_id=10701615

and catalogue: <https://n10314uk.eos-intl.eu/N10314UK/OPAC/Index.aspx>

#remembering

All on their own

<https://fourcorners.cwgc.org/story/canada/>

#Royal Canadian Navy

Your Navy Today - November 2019

www.navy-marine.forces.gc.ca/en/news-ynt/2019/11-your-navy-today.page

#tank warfare

Leopard 2 tanks getting knocked out in Syria

<https://defense-and-freedom.blogspot.com/2019/11/leopard-2-tanks-getting-knocked-out-in.html>

Other:

Bridge Disclaimer

