



Royal United Services Institute of Nova Scotia

Dispatches

1 November 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.

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

Everyone is welcome to parade with RUSI(NS) at RA Park. Please muster no later than 1040 by the tree behind the podium (same place as always). We will form up as the 1st (Halifax-Dartmouth) Field Artillery Regiment contingent marches in.

Lapel Pin Aboriginal Veterans (<https://www.poppystore.ca/lapel-pin-aboriginal-veterans-600320>)



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.

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. **Full** – thanks to all for signing up to this always memorable event.

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/5d8bac7943b0052300e00d5a>"

New: 16 November, Saturday - Atlantic Commandery of the Order of Saint George third annual elegant black-tie fundraising dinner. Wardroom, CFB Halifax Wardroom. See invitation at end of *Dispatches*.

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:

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

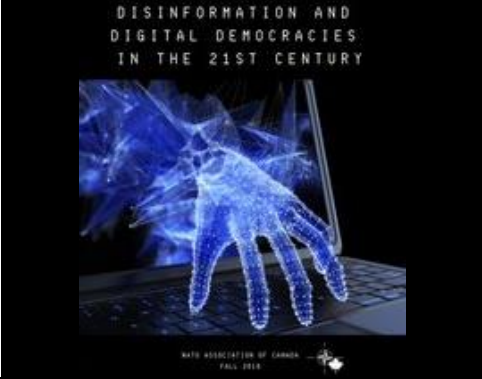
RUSI(NS) Paper "Recruiting and Retention in the Canadian Armed Forces" <https://rusi-ns.ca/recruiting-and-retention-in-the-canadian-armed-forces/>, 7 October 2019

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.

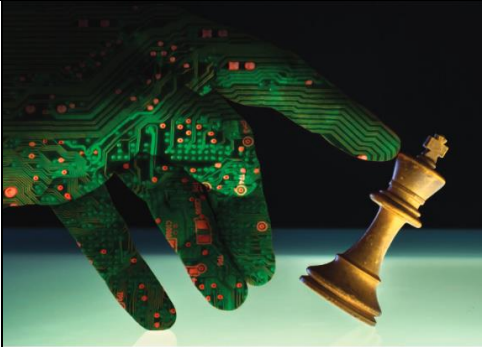
"Icebreakers and the Battle for the Arctic"
<https://vanguardcanada.com/2019/09/16/icebreakers-and-the-battle-for-the-arctic/> CAN #Arctic strategy needs address composition federal fleets (@RCN_MRC, @CoastGuardCAN), northern infrastructure development (Churchill MB as Arctic Gateway) HT @VanguardMag



NATO Association @NATOCanada 25 Oct tweeted and RUSI(NS) retweeted: The #NATO Association is proud to launch our fall 2019 publication, featuring original work by leading experts studying #disinformation and #democracy. This marks our first collaborative publication with our new Centre for Disinformation Studies.
(Disinformation and Digital Democracy in the 21st Century <http://natoassociation.ca/disinformation-and-digital-democracy-in-the-21st-century/>)



STRATCOMCOE @STRATCOMCOE 29 Oct tweeted and RUSI(NS) retweeted: Read more about the emerging risk of virtual societal warfare from @RANDCorporation (The Emerging Risk of Virtual Societal Warfare - Social Manipulation in a Changing Information Environment https://www.rand.org/pubs/research_reports/RR2714.html)



Canadian Coast Guard @CoastGuardCAN 30 Oct tweeted: Dont forget! We're hiring! Seeking applications for Community Engagement Coordinators in our new #Arctic region to help improve collaboration and service delivery in the North. Be sure to apply before November 1. #GCJobs <https://emploisfp-psjobs.cfp-psc.gc.ca/psrs-srfp/applicant/page1800?hootPostID=6721aeb49e0607b0d45be9a09e218b83&poster=1351345>



(Community Engagement Coordinator)
Community Engagement Coordinator. Great idea: single point of contact for Northern communities in #Arctic, assisting DFO&CCG in developing&maintaining relationships with communities to inform & support program&service delivery in North. Can similar be developed for other depts?

"A new era for #NATO intelligence" <https://www.nato.int/docu/review/articles/2019/10/29/a-new-era-for-nato-intelligence/index.html> "In response to this dynamic threat environment, Allies are fundamentally adapting how NATO produces and delivers intelligence in support of decision-making"



Posted on Facebook Royal United Services Institute NS with comments:

The Syrian Withdrawal: Where Things Stand

https://www.rand.org/blog/2019/10/the-syrian-withdrawal-where-things-stand.html?utm_source=WhatCountsEmail&utm_medium=RAND%20Policy%20Currents+AEM:%20%20Email%20Address%20NOT%20LIKE%20DOTMIL&utm_campaign=AEM:631600804



I would like to highlight that in addition to this ongoing series of events in Syria, tension between Iran and Iraq continues to escalate and civil unrest in Iraq is increasing. See Institute for the Study of War report "Iraq Crisis Update:

Iran Pushes Iraq to the Brink" – "Protests have restarted in Iraq as of late evening on October 24, 2019 and are likely to escalate violently. This renewed backlash against governance failures, Iran's influence, and a heavy-handed Iraqi government response to discontent marks a new phase of the unrest that erupted in early October 2019." <http://iswresearch.blogspot.com/2019/10/iran-pushes-iraq-to-brink.html>. Howard Coombs, CDAI

Army's 3D Printing Hub Will Be Rock Island: Gen. Perna

<https://breakingdefense.com/2019/10/armys-3d-printing-hub-will-be-rock-island-gen-perna/>



US Army "Center of Excellence for Advanced & Additive Manufacturing."

"...each of the Army's 10 regular active-duty divisions...has its own 3D printer as part of its Metal Working & Machining Shop Set (MWMSS - <https://asc.army.mil/web/portfolio-item/cs-css-mobile-maintenance-equipment-systems-mmes/>), which fit in shipping containers for deployment to war zones. Troops can download designs to print from an interim digital repository called Raptor..."

"...new Army Secretary...ordered the systematic embrace of advanced manufacturing across the service."

Does the Canadian Armed Forces and Department of National Defence have something similar to the US Center of Excellence for Advanced & Additive Manufacturing? The Royal Canadian Navy's Fleet Maintenance Facility Cape Scott at Halifax has certainly been undertaking some of the actions of such a centre.

Counter Drone System Repels Drone Attack on a Portuguese Port at REP(MUS)19 NATO Exercise

https://defense-update.com/20191025_repmus19.html



"The exercise provided an opportunity to test the interoperability of aerial, and technologies and the procedures and tactics for Maritime Unmanned Systems used by NATO countries."

Good to read (and, really, not unexpected) to see drone and counter-drone activities being included in a field exercise.

VCNO Burke: Navy Needs New Readiness Model for New Era of Conflict

<https://news.usni.org/2019/10/25/vcno-burke-navy-needs-new-readiness-model-for-new-era-of-conflict>



"The Navy's current carrier strike group readiness generation model may no longer work in today's era of great power competition and struggling ship maintenance yards..."

To state what should be obvious: maintenance shipyards are a major part of a fleet's readiness.

Whilst the emphasis in the article is on US yards that maintain nuclear-powered aircraft carriers and submarines, the points can be cause for reflection about Canadian yards, especially Her Majesty's Canadian Dockyards Halifax and Esquimalt, that maintain Canadian warships and submarines. The Fleet Maintenance Facilities in HMC Dockyards are significant strategic assets. Care must be taken of their people and equipment. That care is best done by ensuring the facilities remain part of the Department of National Defence.

Russian Submarine May Test New Weapons Off Norway This Week

<https://www.forbes.com/sites/hisutton/2019/10/26/russian-submarines-to-test-new-weapons-off-norway/#430f59d74248>



"While media attention sometimes highlights the submarine forces of the Persian Gulf and South China Sea, these tests are a reminder the Russian Navy is resurfacing further north."

Hmm, might it be worth the Royal Canadian Navy getting back into theatre ant-submarine warfare again big time? Would need balance against the global engagement activities in which the Navy is currently much engaged.

Royal Navy warships laid up because they can't cope with warm water in Gulf

<https://www.plymouthherald.co.uk/news/uk-world-news/royal-navy-warships-laid-up-3460604>



"Half of the Royal Navy's fleet of Type 45 destroyers are out of service - because they can't cope with the warm waters of the Gulf..."

"Chronic recruitment problems in the Royal Navy are also forcing some ships to remain in harbour..."

Lessons here for the Royal Canadian Navy, which for last few decades has been operating less as a North Atlantic escort force and more as a globally-engaged navy. Our frigates are employed more like cruisers, so need to have the equipment (accommodation, communications, air conditioning, etc.) to operate in the oceans of the world.

And recruitment can always be a challenge. Ships sitting alongside in harbour are not good to attract and retain sailors.

Australia's final Adelaide-class frigate bows out of service

<https://navaltoday.com/2019/10/28/australias-final-adelaide-class-frigate-bows-out-of-service/>



"Bows out of service." <Sigh> Headline editors are grasping for language. Hopefully Canadian writers will continue to use traditional terms such as 'paying off' and 'disposing' when writing about Royal Canadian Navy ships.

HALIFAX SHIPPING NEWS: Shipbuilding contracts should go to the most experienced

<https://www.thechronicleherald.ca/business/local-business/halifax-shipping-news-shipbuilding-contracts-should-go-to-the-most-experienced-369575/>



It will be interesting to see how the Heddle complaint plays out (see "Canada is about to pay too much for its new ships" <https://business.financialpost.com/opinion/opinion-hey-canada-youre-about-to-pay-too-much-for-your-new-ships>). Canada is behind in re-capitalizing its government fleets. It is a question how long it will take to bring those fleets back up. The National Shipbuilding Strategy was to avoid a boom-or-bust situation. The government needs to be careful not to create a boom-then-bust

situation by spreading shipbuilding contracts too broadly now.

Air Force releases criteria for new Remote Combat Effects Campaign Medal

<https://www.af.mil/News/Article-Display/Article/2000789/air-force-releases-criteria-for-new-remote-combat-effects-campaign-medal/>



Here Are the Criteria for the Air Force's New Remote Combat Effects Campaign Medal

<https://www.military.com/daily-news/2019/10/29/here-are-criteria-air-forces-new-remote-combat-effects-campaign-medal.html>

"...criteria for the medal...stipulating that airmen in these career fields who create or personally provide 'direct combat effects from remote locations and lead to strategic outcomes or the delivery of lethal force'"

Hmm, will there ever be consideration for creating an award for drone operators in Canada? It can be an injurious job; operators can suffer from PTSD.

Russian submarines have 'nowhere to hide' says RAF chief, as UK gets first new maritime patrol plane

<https://www.telegraph.co.uk/news/2019/10/31/russian-submarines-have-nowhere-hide-says-air-force-chief-uk/>



A little MPA fixed wing reading with a British accent.

HMCS Ottawa participates in KAEDEX

<https://www.lookoutnewspaper.com/hmcs-ottawa-participates-kaedex/>



KAEDEX = play on Japanese word kaede meaning maple tree.

HMCS OTTAWA's "mission shifted from Operation PROJECTION, conducting forward naval presence operations in the Asia-Pacific region as well as conducting cooperative deployments and participating in international naval exercises with partner nations, to supporting Operation NEON, Canada's contribution to the enforcement United Nations Security Council Resolutions 2375 and 2397" [sanctions imposed against North Korea: <https://www.canada.ca/en/department-national-defence/services/operations/military-operations/current-operations/operation-neon.html>].

Make China Great Again: Xi's Truly Grand Strategy

<https://warontherocks.com/2019/10/make-china-great-again-xis-truly-grand-strategy/>



Interesting read. Time will tell. No regime lasts forever and political allegiances shift quickly once a power vacuum develops. China is not immune to these forces and events.

NATO just got together in Portugal to test its drones at sea, underwater, and in the air

<https://www.businessinsider.com/nato-tests-unmanned-surface-undersea-aerial-systems-in-exercise-2019-10>



"NATO countries gathered in Portugal in September for Exercise REP (MUS) [Recognised Environmental Picture (Maritime Unmanned Systems)] 19 to...test technological advances in unmanned maritime systems networks." "The focus of REP (MUS) 19 was on technological and procedural interoperability."

Dismantling dangerous ship scrapping: inside the Hong Kong Convention

<https://www.ship-technology.com/features/hong-kong-convention-on-ship-recycling/>



Canada has been successfully breaking government ships in Canada without the labour and environmental issues experienced elsewhere in the world. Breaking of naval and Coast Guard ships at Sydney, Nova Scotia, has been a contributor to the local economy. Canada is a signatory of the Basel Convention but has not ratified the Hong Kong Convention.

Colleagues at Marine Recycling Corporation (www.marinerecycling.ca) note that company has three facilities in Canada, responsibly recycling vessels whereby all vessels are rolled out the water using pneumatic air bags, ensuring complete environmental protection and cost efficiency in the process. Their Vancouver Island facility has a large building into which vessels of all sizes are rolled, making it the world's first large-scale indoor vessel recycling facility. They have recently completed some haul outs of vessels for disposal at their facility in Lake Erie (see photo). Canada is a global leader in this field.

Some RUSI(NS) papers on ship breaking:
Breaking Up Iroquois – Good for Nova Scotia Economy

<https://rusi-ns.ca/breaking-iroquois-good-nova-scotia-economy/>

Breaking Up Former Canadian Warships

<https://rusi-ns.ca/breaking-up-former-canadian-warships/>

The US Army Will Experience Battlefield Surprise—Here's How to Prepare Leaders and Organizations to Overcome It

<https://mwi.usma.edu/us-army-will-experience-battlefield-surprise-heres-prepare-leaders-organizations-overcome/>



"It is the responsibility of leaders at every echelon to prepare their organizations to adapt to and overcome technical and doctrinal surprise in the next conflict. That starts with each organization realizing and admitting that being surprised results directly from our failure to anticipate, our bias, our failure to see how the enemy evolves, and our hubris. It continues with changing our organizational mindset from one that expects predictability and enemy conformity to our vision of the fight to one that expects to be surprised. And, it continues further with a deliberate and sustained program of training and leader development to develop the individual and organizational adaptability to overcome battlefield surprise in future conflicts. As the Army and the joint force prepare for large-scale, multi-domain combat operations, our future success and survival may very well depend on our preparation to adapt to and overcome battlefield surprise."

Note the war game at the end of the article.

How the United States Could Lose a Great-Power War

<https://foreignpolicy.com/2019/10/29/united-states-china-russia-great-power-war/>



"What the 2018 National Defense Strategy calls for is to develop, in concert with U.S. allies and partners, military forces and strategies that can credibly deny China or Russia the ability to take over nearby territory."

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.



This Week

<https://mailchi.mp/rusi.org/thisweek-25-october-166933?e=a539211a30>



Military says rules were followed despite theft from JTF2 base of \$23,000 worth of gun parts, equipment

<https://ottawacitizen.com/news/national/defence-watch/military-says-rules-were-followed-despite-theft-from-jtf2-base-of-23000-worth-of-gun-parts-equipment>



US Air Force awards \$9B contract to Boeing for next training jet

<https://www.defensenews.com/breaking-news/2018/09/27/reuters-air-force-awards-9b-contract-to-boeing-for-next-training-jet/>



Russia Will Test Its Ability to Disconnect from the Internet

https://www.defenseone.com/technology/2019/10/russia-will-test-its-ability-disconnect-internet/160861/?oref=defenseone_today_nl



Russian nuclear subs launch ICBMs in military drill

https://www.defensenews.com/training-sim/2019/10/24/russian-nuclear-subs-launch-icbms-in-military-drill/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2010.25.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



Barges being acquired by Canadian navy can be used for Asterix or JSS

<https://ottawacitizen.com/news/national/defence-watch/barges-being-acquired-by-canadian-navy-can-be-used-for-asterix-or-jss>



\$85B Nuclear Missile Competition Gets Messier as Feds Investigate Northrop

https://www.defenseone.com/business/2019/10/usaf-puts-its-icbm-chips-northrop-feds-launch-investigation/160888/?oref=defenseone_today_nl



Italy to remove its air-defense assets from Turkey by year's end

https://www.defensenews.com/global/europe/2019/10/25/italy-to-remove-its-air-defense-assets-from-turkey-by-years-end/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2010.28.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



The Future of the Russian Military

https://www.rand.org/pubs/research_reports/RR3099.html



4 questions with NATO on its unmanned tech test

https://www.defensenews.com/training-sim/2019/10/28/4-questions-with-nato-on-its-unmanned-tech-test/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2010.29.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



Price of F-35 Falls, But Not as Much As Pentagon Hoped

https://www.defenseone.com/business/2019/10/price-f-35-falls-not-much-pentagon-hoped/160945/?oref=defense_one_breaking_nl



F-35 firming as favourite for Canada's multibillion-dollar Hornet replacement program

https://www.defenceconnect.com.au/strike-air-combat/5024-f-35-firming-as-favourite-for-canada-s-multi-billion-hornet-replacement-program?utm_source=DefenceConnect&utm_campaign=26_10_19&utm_medium=email&utm_content=1&utm_emailID=41433a0d309a72c7bac9fb27b20ee8db7f8a3b6c212e31bfb20e9413cd23aeac



Turkey, Russia in negotiations for potential Su-35 jet deal

<https://www.defensenews.com/air/2019/10/28/turkey-russia-in-advanced-talks-on-potential-su-35-jet-deal/>



The West should learn some lessons from Vladimir Putin's success

<https://www.economist.com/leaders/2019/10/24/the-west-should-learn-some-lessons-from-vladimir-putins-success>



Turkey closes in on Su-35 deal after being booted from F-35 program

https://www.defenceconnect.com.au/strike-air-combat/5037-turkey-closes-in-on-su-35-deal-after-being-booted-from-f-35-program?utm_source=DefenceConnect&utm_campaign=29_10_19&utm_medium=email&utm_content=2&utm_emailID=41433a0d309a72c7bac9fb27b20ee8db7f8a3b6c212e31bfb20e9413cd23aeac



Pakistan May Be Stumbling Toward a Two-Front War

https://www.defenseone.com/threats/2019/10/pakistan-may-be-stumbling-toward-two-front-war/160940/?oref=defenseone_today_nl



Putin May Want to Be an Emperor, but Russia Isn't an Imperial Power

https://foreignpolicy.com/2019/10/28/putin-may-want-to-be-an-emperor-but-russia-isnt-an-imperial-power/?utm_source=PostUp&utm_medium=email&utm_campaign=17964&utm_term=Flashpoints%20OC



Canadian Army answers questions about mystery rifle seen in Petawawa tests

<https://ottawacitizen.com/news/national/defence-watch/canadian-army-answers-question-about-mystery-rifle-seen-in-petawawa-tests>



The United States Overthrew Iran's Last Democratic Leader

https://foreignpolicy.com/2019/10/30/the-united-states-overthrew-irans-last-democratic-leader/?utm_source=PostUp&utm_medium=email&utm_campaign=17876&utm_term=Editor#39;s%20Picks%20OC



Pompeo says U.S. must confront China's Communist Party

https://www.reuters.com/article/us-usa-china-pompeo/pompeo-says-u-s-must-confront-chinas-communist-party-idUSKBN1XA05G?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2010.31.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



China says hopes U.S. will 'stop abusing concept of national security' after reports of grounded drones

https://www.reuters.com/article/us-china-usa-drones/china-says-hopes-u-s-will-stop-abusing-concept-of-national-security-after-reports-of-grounded-drones-idUSKBN1XA0VI?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2010.31.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



North Korea launches two suspected missiles after warnings to Washington

https://www.reuters.com/article/us-northkorea-missiles/north-korea-launches-two-possible-ballistic-missiles-into-sea-japan-says-idUSKBN1XA0W0?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%2010.31.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



Knocking NATO: Strategic and institutional challenges risk the future of Europe's seven-decade cold peace

https://www.cgai.ca/knocking_nato_strategic_and_institutional_challenges_risk_the_future_of_europe_s_seven_decade_cold_peace?utm_campaign=pp_knockingnato&utm_medium=email&utm_source=cdfai



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

#armies #futurecasting

The Hard Choices That Will Define the Army of Tomorrow (and Beyond)

<https://mwi.usma.edu/hard-choices-will-define-army-tomorrow-beyond/>

#cyber operations

Contested public attributions of cyber incidents and the role of academia

<https://www.tandfonline.com/doi/full/10.1080/13523260.2019.1677324>

The EU Assesses Cyber Security and 5G Networks

<https://rusi.org/commentary/eu-assesses-cyber-security-and-5g-networks>

#defence procurement

Because We Said So: Invoking the National Security Exception to Reduce Access to Dispute Processes for Government Suppliers

https://www.cgai.ca/because_we_said_so_invoking_the_national_security_exception_to_reduce_access_to_dispute_processes_for_government_suppliers

#drones

Vulnerable from Above’: Rising Drone attacks drive new technology, tactics

<https://www.ausa.org/articles/vulnerable-above'-rising-drone-attacks-drive-new-technology-tactics>

#information operations

Why are governments going to war with big tech?

<https://www.aspistrategist.org.au/why-are-governments-going-to-war-with-big-tech/>

Combating everyday falsehoods

<https://atlanticcouncil.org/blogs/new-atlanticist/combating-everyday-falsehoods/>

The latest from AI research: automated fake news trolls

<https://thebulletin.org/2019/10/the-latest-from-ai-research-automated-fake-news-trolls>

#naval mine warfare

Mine Warfare Week Concludes on CIMSEC

<http://cimsec.org/mine-warfare-week-concludes-on-cimsec/42206>

articles:

Meeting the Mine Warfare Challenge with Unmanned Systems

The U.S. Navy Needs AWNIS for Mine Warfare

Embracing an Unmanned Solution for the U.S. Navy's Mine Warfare Renaissance

Swarming to Solve the Navy's MCM Problems

A Pervasive and Persistent Approach to Mine Countermeasures

#strategy

Why America Loses Wars: Limited War and U.S. Strategy from the Korean War to the Present

book review: <https://thestrategybridge.org/the-bridge/2019/10/23/reviewing-why-america-loses-wars>

#United States

2020 Index of U.S. Military Strength

<https://www.heritage.org/military-strength>

also:

Heritage Index Rates Navy, Marines 'Marginal' In Ability to Counter Current Threats

<https://news.usni.org/2019/10/30/heritage-index-rates-navy-marines-marginal-in-ability-to-counter-current-threats>

#warfighting

The Importance of the Operational Level: The Ludendorff Offensives of 1918

<https://thestrategybridge.org/the-bridge/2019/10/28/the-importance-of-the-operational-level-the-ludendorff-offensives-of-1918>

Other:

Canadian Military History

Volume 28, Issue 2 (2019)

<https://scholars.wlu.ca/cmh/>

articles:

Songs of War: Anglo-Canadian Popular Songs on the Home Front, 1914-1918

Nervous System Architecture: Staff College Graduates and the Formation of Regular, Territorial Force,

New Army, and Dominion Divisions, 1914-1916

book reviews:

The Men Who Lost Singapore, 1938-1942

A Weary Road: Shell Shock in the Canadian Expeditionary Force, 1914-1918
Renusus' Kayak: A Labrador Inuk, an American G.I. and a Secret World War II Weather Station
An Instructor's Guide to Teaching Military Students: Simple Steps to Integrate the Military Learner into your Classroom
Global Views on Military Stress and Resilience
This Small Army of Women: Canadian Volunteer Nurses and the First World War
The Great Class War 1914-1918
One in a Thousand: The Life and Death of Captain Eddie McKay, Royal Flying Corps
Always at War: Organizational Culture in Strategic Air Command, 1946-62
Engaging the Line: How the Great War Shaped the Canada-US Border
The Long Shadows: A Global Environmental History of the Second World War
The Endless Battle: The Fall of Hong Kong and Canadian POWs in Imperial Japan
Bombing the City: Civilian Accounts of the Air War in Britain and Japan, 1939-1945
Churchill and Fisher: Titans at the Admiralty
Dominion of Race: Rethinking Canada's International History

Canadian Armed Forces Members Released Prior to February 2016 Can Now Request a Veteran's Service Card

<https://infog.ca/canadian-armed-forces-members-released-prior-to-february-2016-can-now-request-a-veterans-service-card/>





NATO's Enhanced Forward Presence

Battlegroup led by Canada, operating with Latvian forces in Adazi, Latvia		
Contributor	Troops	Forces
Canada	525	<ul style="list-style-type: none"> • 1 x Mechanised infantry battalion with armoured fighting vehicles • Combat support company • Support elements • Contribution to battlegroup headquarters
Albania	21	Mobility explosive ordnance disposal engineers
Czech Republic	55	1 x Mortar platoon and support element
Italy	166	1 x Mechanised infantry company/ Mountain troop company with armoured fighting vehicles, Joint Terminal Air Controllers and sniper teams, mortar and anti-tank unit
Montenegro	10	1 x Combat engineer squadron, contribution to battlegroup headquarters
Poland	Up to 200	1 x Tank Company, national contribution to battlegroup HQ, support elements
Slovakia	Up to 152	<ul style="list-style-type: none"> • Mechanised infantry company • Contribution to battlegroup headquarters • Support elements
Slovenia	33	<ul style="list-style-type: none"> • 1 x Engineer platoon • 1 x Tactical Air Control Party team • Contribution to battlegroup headquarters
Spain	350	<ul style="list-style-type: none"> • 1 x Mechanised infantry company with tanks and armoured fighting vehicles • Mobility engineers and support elements • Logistic elements • Contribution to battlegroup headquarters
Approximate total troop number: 1512		

https://www.nato.int/nato_static_fl2014/assets/pdf/pdf_2019_10/20191024_1910-factsheet_efp_en.pdf

COMING VIRTUAL SOCIETAL WARFARE TECHNIQUES



Discrediting key mediating institutions that can distinguish between true and false information



Corrupting or manipulating databases that major components of the economy rely on



Manipulating decision-making algorithms to impair government/corporate operations, intensify loss of faith in institutions, and increase polarization



Hijacking virtual and augmented reality systems to create disruption or strengthen certain narratives



The International Knightly Order of St. George

On behalf of the Atlantic Commandery of the Order of Saint George, I would like to invite your members to attend the Commandery's third annual elegant black-tie fundraising dinner at the CFB Halifax Wardroom – Officers' Mess in Juno Towers on Saturday, 16 November 2019 at 1800. The Order's mission is to help support our veterans, military families, cadets and other first responders. The purpose of this fundraiser is to support our veterans and first responders in their quest to address their suffering from an invisible injury - Post Traumatic Stress Disorder (PTSD) through our support for Paws Fur Thought-(www.pawsfurthought.com), a volunteer organization which pairs service dogs with veterans and first responders. . Our Guest of Honour and speaker at the dinner is the Veterans Ombudsman, Mr. Craig Dalton who has had a distinguished career in the Canadian Army and in the New Brunswick Government. He was appointed to his current post in November 2018.

Given the issues affecting those dealing with PTSD, the importance of supporting this cause cannot be understated. Pairing a trained service dog with those suffering from PTSD has saved lives! These veterans and first responders will be the first to tell you their dog has given them a second chance. If you consider the fact that more veterans suffering from PTSD have taken their own lives since the war in Afghanistan than those that paid the ultimate sacrifice, pairing as many of those inflicted as possible with a trained service dog is critical to addressing this issue. Last year, the dinner raised close to \$20,000. This year, our goal for the evening is to raise at least \$25,000, which is the cost of providing and training one service dog. A charitable tax receipt will be issued for 50% of the ticket cost; charitable donations will receive a 100% tax receipt

Your support to this cause is very important, and I hope that your members will be able to attend the event. I would ask that you share this invitation with your membership. Tickets can be reserved through Heather Armstrong at heatharm@gmail.com . Tickets are \$150.00 per person or \$1200.00 per table. Your participation will include a charitable tax receipt. I hope that you and your colleagues will be able to join us for a beautiful evening with dignitaries and special guests and a silent auction to share in a heartfelt experience for this important cause.

Sincerely yours,

John Pickford, MSM, CD, KCStG
Captain (Navy) (ret'd)
Commander
Atlantic Commandery

Paws Fur Thought

Did you know:

Paws Fur Thought (PFT) is a volunteer driven organization that advocates and fundraises to pair service dogs with veterans suffering from PTSD. PFT was founded, in 2013, by Medric and Jocelyn Cousineau.

PFT runs as an initiative of the Nova Scotia/Nunavut Command of the Royal Canadian Legion

PFT major financial supporter is Wounded Warriors Canada & the Order of St George

PFT receives no funding or support from any level of government

It takes between 13 to 18 months to train a puppy from birth to placement

PFT has paired 119 service Dogs from St Johns to Vancouver Island

PFT has another 27 dogs under contract and in various stages of training

It takes approximately \$15-20,000 to train the dog and the handler to the point of meeting Public Access Testing

PFT has been involved in many studies and committees to develop strategies to standardize service dog and provider requirements

Paws successfully fought to end the discriminatory policies in the Tax Act against Psych Service Dog Handlers.

PTSD Facts in the Veterans Community

In 2011 Veterans Affairs Canada (VAC) stated they have 14,000 plus active PTSD case files

50% of all veterans are considered treatment resistant by VAC

There is an estimated need for 2,500 service dogs in the veteran community

Currently qualified schools have a combined output of 100 dogs per annum

The need in the first responder community is estimated to be 5 times the size of the veteran community

Thank you for your generous support, you are saving a life and rescuing a family