



Royal United Services Institute of Nova Scotia Dispatches

3 May 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.

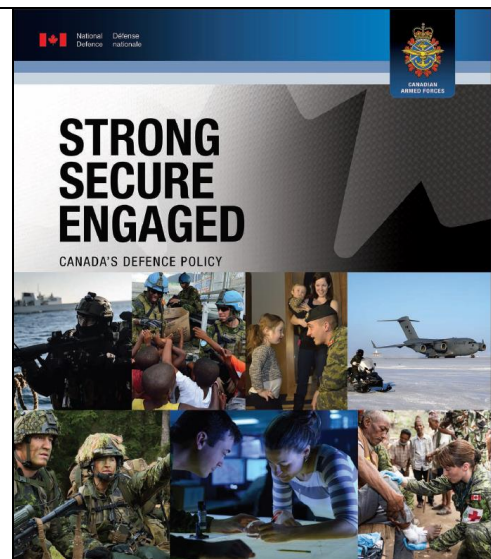
Everyone is encouraged to email to the CIO links and other content to be included in *Dispatches*. Comments to articles can be from members or non-members of RUSI(NS). Feedback is welcome anytime. Any comment in *Dispatches* is the sole opinion of the author and does not necessarily represent the views 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. The most recent four editions are posted at: <https://rusi-ns.ca/defence-and-security-newsletter/>. 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, 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.

4 May, Saturday - Second World War Canadian Merchant Navy commemoration ceremony. 1100 (those attending should be seated about 1045). Maritime Museum of the Atlantic. Medals should be worn. Federal Minister of Veterans Affairs, the Honourable Lawrence MacAulay, will be attending the ceremony.

8 May, Wednesday - Distinguished Speaker TBA. 1130-1330 hours. Royal Artillery Park Officers' Mess. Note that this is the second Wednesday of the month, not our normal third Wednesday.

23 May, Thursday - the NS branch of the Naval Association of Canada invites members of RUSI(NS) and their spouses to the NS NAC Spring Lunch (Battle of the Atlantic Commemoration). 1230 hrs. Tom's Family Restaurant, 585 Sackville Drive, Lower Sackville, 902-252-8667 (<https://www.tomsfamilyrestaurant.ca/>). This is a no host event. Please email Don Uhrich (dguhrich@eastlink.ca) or phone him at 902-407-2352 if you plan to attend, and the number of guests in your party. Also please cc Bob Lancashire (casalanc@eastlink.ca) in your email to Don.

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.

Courses and Lecture:

RUSI(NS) member Dr Ian MacVicar is offering a new intelligence studies course at the Seniors College Association of Nova Scotia (SCANS). His new course is entitled SpySchool 301 – “The Psychology of Intelligence Analysis.” The course runs Tuesdays from 1300 to 1500 hrs at the Maritime Conservatory of the Performing Arts located at 6199 Chebucto Road, Halifax from 23 May through 4 June 2019. Details at: <https://www.thescans.org/courses-spring-2019.html> (see course #3). Note that this course is full, but your name may be taken for a waiting list, and that the course may be conducted again in fall 2019 depending on interest.

RUSI(NS) member Dr Ian MacVicar is delivering a lecture entitled “What Do We Do About the Camp Followers” concerning the risks and opportunities in repatriating the families of ISIS members to their nations of origin at the 12th Spatial Socio-Cultural Knowledge Workshop - Cranfield University, on 12 June 2019. Details are found at: <https://www.cranfield.ac.uk/events/symposia/sskw> (click on Programme). Ian would welcome any reasoned comments for possible incorporation in his presentation.

Publications:

The United Services Institute of Nanaimo and North Island (USINNI) Newsletter Vol 27 No 05 May 2019 is available on request to RUSINovaScotia@gmail.com.


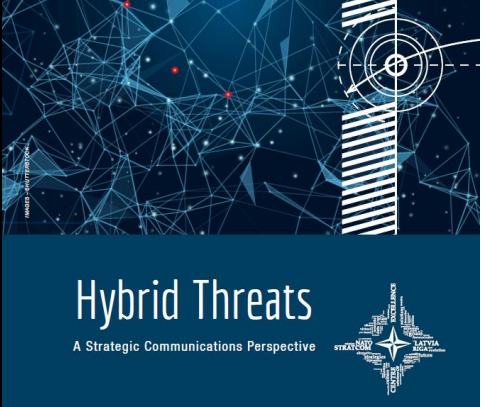


The Military Institute of Windsor Communiqué Volume XXXVII Number 5 May 2019 is available on request to RUSINovaScotia@gmail.com.

RUSI(NS) Comments "The RCAF Needs a Quick Ending to the Search for a New Fighter," by Murray Lee, 22 April 2019
<https://rusi-ns.ca/the-rcaf-needs-a-quick-ending-to-the-search-for-a-new-fighter/>

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

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

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.

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|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <p>As Battle of Atlantic #BoA Sunday approaches we must remember that proficiency in anti-#submarine warfare is as important now as it was in Second World War. Today most new Russian submarines carry cruise missiles with capability of attacking CAN🇨🇦 directly https://bit.ly/2W8wbiw (Analysis: Russian Navy Project 885 Yasen-class Submarine Severodvinsk Fires Kalibr Cruise Missile http://www.navyrecognition.com/index.php/news/defence-news/2017/august-2017-navy-naval-forces-defense-industry-technology-maritime-security-global-news/5490-analysis-russian-navy-project-885-yasen-class-submarine-severodvinsk-fires-kalibr-cruise-missile.html)</p> |  |
| <p>STRATCOMCOE @STRATCOMCOE 26 Apr tweeted and RUSI(NS) retweeted: Read our latest report on Hybrid threats from a strategic communication perspective. Deepening our understanding of these threats can help nations to preserve their national security interests. Read more: https://www.stratcomcoe.org/hybrid-threats-strategic-communications-perspective</p> <p>(Hybrid Threats: A Strategic Communications Perspective)</p> |  |
| <p>Federal Fleet @federalfleet Apr 24 tweeted: Asterix has now sailed North from the Gulf of Aden and continues supporting allied counter-terrorist operations at the entrance to the Persian Gulf as part of Operation Enduring Freedom / Combined Task Force 150. Yesterday she performed a dual-replenishment of two French warships pic.twitter.com/dmCE82Yybu RUSI(NS) retweeted: "CTF 150 mission is disrupt terrorist organisations & their related illegal activities by restricting their freedom of manoeuvre in the maritime domain." A support ship can contribute to naval constabulary missions. Even more so when supporting frigate(s) #MVAsterix #RCNavy</p> |  |
| <p>.@OpenCanada "Election 2019: Why China, views on immigration & defence operations matter" https://www.opencanada.org/features/election-2019-why-china-views-immigration-and-defence-operations-matter/ "CAN🇨🇦 no longer seems able to shine at @UN & @NATO simultaneously" "...point to Canada's legitimate leadership within #NATO"</p> |  |

If obtaining info on how our tax dollars are being/to be spent by the people we sent to Ottawa was hard enough (see: <https://nationalpost.com/news/politics/firms-wanting-to-bid-on-warship-program-the-largest-contract-in-canadian-history-banned-from-talking-to-reporters> & <https://nationalpost.com/news/politics/liberals-tighten-rules-to-prevent-prospective-bidders-from-talking-about-military-procurements-and-shipbuilding>), just wait until the "caretaker convention" kicks in (<https://www.canada.ca/en/privy-council/services/publications/guidelines-conduct-ministers-state-exempt-staff-public-servants-election.html> #cdnpoli (Firms wanting to bid on warship program — the largest contract in Canadian history — banned from talking to reporters & Liberals tighten rules to prevent prospective bidders from talking about military procurements and shipbuilding))



Gilles Jobidon @jobidong Apr 23 tweeted (translated): The icebreaker Louis S. St-Laurent en route to the new Davie shipyard. It will enter the dry dock behind the two icebreakers purchased from Norway currently undergoing processing. RUSI(NS) retweeted: 2 new interim light icebreakers/multi-purpose vessels for @CoastGuardCAN look to be coming along in their transformation at @ChantierDavie. Looking forward to their (re)namings & entering into service



"Interim Fighter Capability Project will acquire Australian F/A-18A/B aircraft, associated spares & equipment to supplement #RCACF CF188 fleet to help address fighter capability gap" <https://www.canada.ca/content/dam/dnd-mdn/documents/quad-charts/ifcp-quad-chart-en.pdf> #DefencePolicy #StrongSecureEngaged quad chart #Cdnpoli

Airbus Defence @AirbusDefence Apr 25 tweeted: Important milestone for the Canadian #C295: the first FWSAR (Fixed-Wing Search and Rescue) aircraft has rolled out of final assembly. Next steps: 1st flight coming soon! Delivery to Canada => end 2019. <https://www.airbus.com/defence/c295/C295FWSAR.html> #WeMakelFly pic.twitter.com/isZykP8xja RUSI(NS) retweeted: Fixed-Wing Search and Rescue Aircraft Replacement Project (FWSAR) quad chart <https://www.canada.ca/content/dam/dnd-mdn/documents/quad-charts/fwsar-quad-chart-en.pdf> #DefencePolicy #StrongSecureEngaged #Cdnpoli



Dave Perry @DavePerryCGAI 29 Apr tweeted and RUSI(NS) retweeted: Canada: world's 14th largest defence spender

(Global military spending has reached a new post-Cold War high, fuelled by the U.S. and China

<https://nationalpost.com/news/world/global-military-spending-has-reached-a-new-post-cold-war-high-fuelled-by-the-u-s-and-china>)



David Pugliese @davidpugliese 29 Apr tweeted: My latest update on military procurement contracts....Ocean Industries to build four tugs for the Royal Canadian Navy

<https://ottawacitizen.com/news/national/defence-watch/ocean-industries-to-build-four-tugs-for-the-royal-canadian-navy/>

RUSI(NS) retweeted: RUSI(NS) remarks on naming of new tugs to support @RCN_MRC:

https://www.facebook.com/permalink.php?story_fbid=2198489253572946&id=618819224873298 Hopefully new names will recognize @NationalDefence history & small Canadian communities

RUSI(NS) replied: .@NationalDefence response to why 4 new tugs to replace 5 Glen-class large harbour tugs & 2 fire boat posted as comment at

https://www.facebook.com/permalink.php?story_fbid=2198489253572946&id=618819224873298 Yes, Ville-class small harbour tugs (YTL) not Glenn-class YTB depicted in @OttawaCitizen article

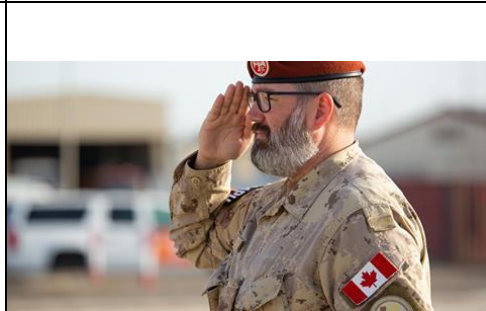


Canadian Armed Forces Operations @CFOperations Apr 26 tweeted: Yesterday we announced the renewal of our contribution to @MFOSinai. In March 2019, a group of @CanadianForces Military Police from the Force Military Police Unit returned to Canada. Take a look at these photos marking their hard work and contribution to #OpCALUMET. Bravo Zulu! pic.twitter.com/6E6pNP15P7

RUSI(NS) retweeted: RUSI(NS) remarks about Multinational Force & Observers badge & terracotta beret

https://www.facebook.com/permalink.php?story_fbid=2198517630236775&id=618819224873298 #OpCALUMET

@MFOSinai



Public Services @PSPC_SPAC 29 Apr tweeted: Minister LeBouthillier today announced the contract for acquisition of 4 naval tugs for @RCN_MARLANT and @MARPAF_FMARF maritime Forces to Ocean Industries Inc. from Isle-aux-Coudres (QC). <http://ow.ly/FKRP50t6jNP>

pic.twitter.com/5A4M1UIRuT

(Government of Canada awards contract for acquisition of four naval large tugs

<https://www.canada.ca/en/public-services-procurement/news/2019/04/government-of-canada-awards-contract-for-acquisition-of-four-naval-large-tugs.html>)



RUSI(NS) remarks on naming of new tugs to support @RCN_MRC:
https://www.facebook.com/permalink.php?story_fbid=2198489253572946&id=618819224873298 Hopefully new names will recognize @NationalDefence history & small Canadian communities
 Follow construction progress on Ocean Group Facebook:
https://www.facebook.com/groupeocean/?eid=ARA8rbZB-KbaNOo4U7UVwRIx_XGN80C2IIUTaC2_h9LePdPaPkGVtaLgf_GSu7UvO4kcFZYtl5Zwo-Xd
 and on Instagram: <https://www.instagram.com/groupeocean/>
 Designs looks to be TRAKtor-series <https://ral.ca/series/traktor/>



Steffan Watkins @steffanwatkins 27 April tweeted: Nobody asks why the DoD doesn't publish pics of this quality, probably because they have no idea other militaires do, like the Japanese, who publish their aerial surveillance pictures of Russian Navy forces near Japan. The United States could do the same.
https://www.mod.go.jp/js/Press/press2019/press_pdf/p20190427_01.pdf
 Steffan Watkins @steffanwatkins 29 Apr tweeted: Another example of how the Japan Maritime Self-Defense Force keeps Japanese citizens, who pay their salary, informed about what they're up to. We never see this quality of photos from #NORAD or #NATO forces when they encounter Russian ships or planes. (and they're GREAT pics!)
https://www.mod.go.jp/js/Press/press2019/press_pdf/p20190429_01.pdf
 RUSI(NS) retweeted: Reminiscent of intelligence report imagery & recognition handbooks of years past. A good example (&, yes, great pix) to hold up.

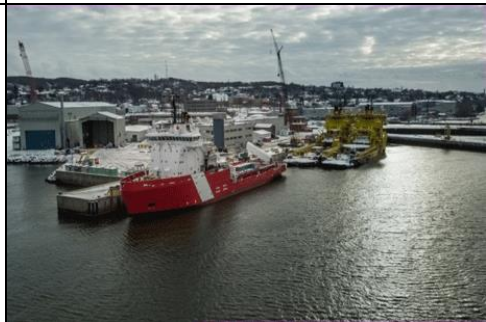
アドミラル・ゴルシコフ級フリゲート(454)



パクラザン級救難えい船



Canadian Coast Guard @CoastGuardCAN 30 Apr tweeted and RUSI(NS) retweeted: #CCGProud to introduce the name CCGS Jean Goodwill, the 2nd of 3 icebreakers, expected to join our fleet in 2019. Named after the founding members of the Aboriginal Nurses Association of , it will perform icebreaking services and will be based in #Halifax.
 (Canadian Coast Guard's latest icebreakers
<http://www.ccg-gcc.gc.ca/Icebreaking/Fleet>)



Canadian Coast Guard @CoastGuardCAN 30 Apr tweeted and RUSI(NS) retweeted: And another one! Also introducing CCGS Vincent Massey, named after the first Canadian Governor General. This icebreaker is expected to join our fleet next year and will be based in #Quebec city. Have a look at their arrival last summer!
 (Canadian Coast Guard's latest icebreakers
<http://www.ccg-gcc.gc.ca/Icebreaking/Fleet>)



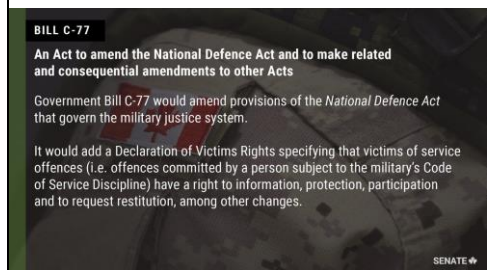
Canada's navy is developing an AI voice assistant for warships, but don't worry: It won't control the weapons
<https://business.financialpost.com/technology/canadas-navy-is-developing-an-ai-voice-assistant-for-warships-but-dont-worry-it-wont-control-the-weapons> pic.twitter.com/Qxs20ZDQSu
 (Canada's navy is developing an AI voice assistant for warships, but don't worry: It won't control the weapons)
 RUSI(NS) retweeted: There are many basic activities onboard a warship that could benefit from AI. Enhancing those with AI would allow sailors to focus on those activities (e.g., weapons directions) where it remains important to retain a human in the loop.



Canadian Navy @RCN_MRC 1 May tweeted: Representatives from the @RoyalNavy, @Australian_Navy & RAdm Donovan and Cmdre Carosielli from signed a Charter, formally acknowledging our involvement in the Global Combat Ship Users Group, in support of the Canadian Surface Combatant Project in Portsmouth, UK today. pic.twitter.com/2cZjOjWe1d
 RUSI(NS) retweeted: Though will at times be significant differences between Type-26-derived frigates (weapons, sensors), will be many similarities so much sense/utility in an AUSCANUK (maybe later US) "Global Combat Ship Users Group." If nothing else, may make internat'l task group logistics easier.



Senate of Canada @SenateCA 30 Apr tweeted and RUSI(NS) retweeted: Bill #C77 has been adopted at second reading in the Senate and referred to the Senate Committee on National Security and Defence: <http://ow.ly/VCTz50mZhVl> #SenCA #cdnpoli #SECD
 (C-77 An Act to amend the National Defence Act and to make related and consequential amendments to other Acts
<https://www.parl.ca/LegisInfo/BillDetails.aspx?Language=E&billId=9847536>)



Honoured to attend stone breaking ceremony 2May19 with Minister @NationalDefence @HarjitSajjan & @AndyFillmoreHFX to mark work rehabilitating #Halifax Armouries <https://rusi-ns.ca/rehabilitation-halifax-armouries/>
 Project will provide excellent training building for @5CdnDiv soldiers



STRATCOMCOE @STRATCOMCOE 29 Apr tweeted: "Studies and intelligence reports show, nation-states and nonstate actors alike exploited, manipulated, and abused social media as a tool of their "information operations." Take a look at this very interesting article from the @JoDemocracy (The Road to Digital Unfreedom: Three Painful Truths About Social Media <https://www.journalofdemocracy.org/articles/the-road-to-digital-unfreedom-three-painful-truths-about-social-media/>)

RUSI(NS) retweeted: In the political and legal realm, citizens must gain the right to know what companies and governments are doing with all the personal data they are so assiduously collecting. Painful truths are:

1. ...the social-media business is built around personal-data surveillance, with products ultimately designed to spy on us in order to push advertising in our direction.
2. ...we have consented to this, but not entirely wittingly: social media are designed as addiction machines, expressly programmed to draw upon our emotions.
3. ...the attention-grabbing algorithms underlying social media also propel authoritarian practices that aim to sow confusion, ignorance, prejudice, and chaos, thereby facilitating manipulation and undermining accountability.

Posted on Facebook Royal United Services Institute NS with comments:

Canada renews military commitment to Multinational Force and Observers in the Sinai

<https://ottawacitizen.com/news/national/defence-watch/canada-renews-military-commitment-to-multinational-force-and-observers-in-the-sinai>

Operation CALUMET is Canada's support to the Multinational Force and Observers (MFO). Approximately 55 Canadian Armed Forces (CAF) members make up Task Force El Gorah. They are based in South Camp and Forward Operating Base

North of the MFO, in Egypt. See: <https://www.canada.ca/en/department-national-defence/services/operations/military-operations/current-operations/operation-calumet.html>



Type 26 Frigate – History

<https://www.thinkdefence.co.uk/the-type-26-frigate/type-26-frigate-history/>

A comprehensive article for those interested in the history of the ship chosen by Canada as the basis for the design of the Canadian Surface Combatant. Neither the CSC, nor the Australian Hunter-class or US FFG(X), are mentioned. Nor are current concerns about the possibility of moving manufacturing of certain systems of the Type 26 to France.



F-35 Demonstration Team coming to Aero Gatineau-Ottawa air show

<https://ottawacitizen.com/news/national/defence-watch/f-35-demonstration-team-coming-to-aero-gatineau-ottawa-air-show>

There will be a lot more marketing, advertising and demonstrations in the near future by the contenders for RCAF Future Fighter.



Feds facing short runway on fighter jets amid new questions about schedule

<https://nationalpost.com/pmnn/news-pmn/canada-news-pmn/feds-facing-short-runway-on-fighter-jets-amid-new-questions-about-schedule>

We know from experience that Canada is good at flying aircraft long beyond their intended length of service, and that with additional flying the cost of maintenance skyrockets enormously. Look at the maintenance hours per flight hour with the Sea King in its later years - 70:1. When aircraft are unserviceable due to maintenance down time, the effect on operational effectiveness can be catastrophic. The cost for maintaining older fighters is much higher due to the stress and manoeuvre strain the airframe experiences in combat training missions. You can't do it all in the simulator! The sooner we get the Future Fighter Request For Proposals (RFP) and contract awarded, the better for Canadian taxpayers and our defence budget.



On Sunday, 28 April 2019, from the stern of HMCS HAIDA, ceremonial flagship of the Royal Canadian Navy berthed in Hamilton, Ontario, wreaths were cast as the April 1944 sinking of HMCS ATHABASKAN was remembered.

One hundred and twenty-eight of the two hundred and fifty-six sailors of ATHABASKAN died in the sinking. Forty-four were rescued by HAIDA and eighty-three were recovered from the sea and became prisoners of war.

photo: Bill Gard, RUSI(NS) member



Whale found with harness on 'may belong to Russian navy'

<https://news.sky.com/story/whale-found-with-harness-on-may-belong-to-russian-navy-11706838>

Hmm, maybe our NATO sub-hunters are now going to have to train using 'whale songs' CDs!

That said, using animals as animals-of-war has a long history.



Ocean Industries to build four tugs for the Royal Canadian Navy

<https://ottawacitizen.com/news/national/defence-watch/ocean-industries-to-build-four-tugs-for-the-royal-canadian-navy>

Names of non-seagoing auxiliaries (e.g., harbour tugs) of the Department of National Defence (DND) which service ships of the Royal Canadian Navy (RCN) are approved by the Commander of the RCN (CRCN). Hopefully CRCN will approve names with links to past and present Canadian Forces Auxiliary Vessels (CFAV) and the hard working people who crew them (CFAV are crewed by DND civilians). Names with links to small communities of Canada (the big communities have frigates and other large ships named after them).

See also: Naval Large Tugs (W8472-185713/001/MC) <https://buyandsell.gc.ca/procurement-data/award-notice/PW-MC-017-26882-001>

A question was put to RUSI(NS), that the four new tugs are to replace five Glen-class and two fire boats, and that whilst the new boats can do both jobs, weren't five hulls needed? The question was forwarded to DND who responded: "Basically, the four naval large tugs will be more capable than our current large tugs. They will have sufficient power to perform near-coastal work and support the anticipated future naval fleet. Also, previously, different tugs were performing different tasks (one to berth and one for firefighting, for instance). The new ones will combine capacities to enable them to perform more tasks. As a result, we don't need seven."



Terracotta Beret

On 26 April 2019 Canadian Joint Operations Command (CJOC) (their Twitter handle is Canadian Armed Forces Operations @CFOperations) tweeted: "Yesterday we announced the renewal of our contribution to @MFOSinai. In March 2019, a group of @CanadianForces Military Police from the Force Military Police Unit returned to Canada. Take a look at these photos marking their hard work and contribution to #OpCALUMET. Bravo Zulu!"

<https://twitter.com/CFOperations/status/1121853424088363009>



The beret and beret badge worn by the Canadian Armed Forces (CAF) Military Police (MP) in a picture of the tweet drew attention. Normally CAF MP wear a bright red beret. No CAF normally wear tan berets, and the beret badge was unfamiliar. A query posed to CJOC received the following elucidation: "It's the Multinational Force and Observers (MFO) beret. MFO crests are sewn on uniforms to identify the wearer as a member of the force. All military members of the force wear a terracotta-colored beret or bush hat. Terracotta-colored helmet covers are provided for soldiers wearing field gear and/or body armor. Some contingents, such as that of Colombia, also wear terracotta neck scarves when on parade. During the 1980s a terracotta-colored "ranger" patrol hat was also in use, but was discontinued by the 1990s."

An interesting juxtaposition, learning about the terracotta beret, what with the recent approval of blue berets for the Royal Canadian Artillery branch (https://milnewsca.files.wordpress.com/2019/03/can-u-implementation-order-rca-blue-berets-can-u-v2_bil.pdf).

BAE Systems withdraws from Canadian military aircrew training competition

<https://ottawacitizen.com/news/national/defence-watch/bae-systems-withdraws-from-canadian-pilot-training-competition>

What will now happen to the BAe Systems Hawk aircraft at Moose Jaw and Cold Lake? What type of aircraft will the other 'qualified suppliers' companies offer and do they have the logistical infrastructure to support them?



Closing the Crypto Gap: Guidance for Countering North Korean Cryptocurrency Activity in Southeast Asia

<https://rusi.org/publication/occasional-papers/closing-crypto-gap-guidance-countering-north-korean-cryptocurrency>

"...the sophistication of North Korea's broader cybercrime operations and its general demand for ongoing financial resources present the risk that its cryptocurrency activity could become a sustained security challenge, particularly as international sanctions lead North Korea to seek financial lifelines outside the mainstream sector."

Finwar! (Financial warfare, and related economic warfare. Distinct from trade war.)



The Financing of North Korea's Nuclear Ambition Remains Alive and Well

<https://rusi.org/commentary/Financing-of-North-Koreas-Nuclear-Ambition-Remains-Alive-and-Well>

"A lack of awareness-raising by governments and misinterpretation by the private sector mean efforts to restrict North Korea's finances are failing."



Russia Launches Project 09852 Special Purpose Submarine

<https://thediplomat.com/2019/04/russia-launches-project-09852-special-purpose-submarine/>

The ability of submarines to pose a strategic threat to an opponent continues to grow. The nuclear-armed underwater drones Russia's new Project 09852 submarine may employ are a new strategic threat. Western nation need to be strong in anti-submarine operations, because early detection is the best defence.



US Air Force conducts airstrikes with F-35 for first time ever

<https://www.defensenews.com/air/2019/04/30/us-air-force-conducts-airstrikes-with-f-35-for-first-time-ever/>

How much if any does 'combat proven' affect the calculus for the Royal Canadian Air Force Future Fighter project? There are other significant factors: maintainability, effectiveness in Canadian airspace (range, ability to operate from austere airfields), etc.



Other Sources:

#air forces

Moscow's Perspectives on the Evolution of US Stealth Technology

<https://wavellroom.com/2019/05/02/moscows-perspectives-on-the-evolution-of-us-stealth-technology/>

#Arctic

(US) Coast Guard Pledges To Manage Russia, China in Arctic

<https://breakingdefense.com/2019/04/coast-guard-pledges-to-manage-russia-china-in-arctic/>

"The Coast Guard wants to operate more consistently in the Arctic, but has a fraction of the icebreakers that Moscow can deploy."

2019 RCMC Arctic Security Conference closing keynote: Whitney Lackenbauer

video (39m): <https://www.youtube.com/watch?v=Mt9KN9KIaT8&feature=youtu.be>

#China #navies

China's vast fleet is tipping the balance in the Pacific

<https://www.reuters.com/investigates/special-report/china-army-navy/>

#cyber operations

The UK's National Cyber Security Strategy Beyond 2021: The International Dimension

https://rusi.org/commentary/The_UKs_National_Cyber_Security_Strategy_Beyond_2021_The_International_Dimension

#defence policy

(UK) Defence Equipment Plan 2018 Cat A & B Projects

<https://www.whatdotheyknow.com/request/552814/response/1357220/attach/3/FOI2019%2002109%2002110%2002111%2002113%2002114%20and%2002115%20Jonathan%20Garbett.pdf>

Interesting to compare to Canadian approach to procurement information. Even got tweeted by HMArmedForcesReview @ForcesReviewUK.

#expeditionary operations

An Institutional Analysis of the Commander's Emergency Response Program

<http://thesimonscenter.org/featured-article-the-commanders-emergency-response-program/>

US article, but possibly with lessons for Canada.

#intelligence #Russia

Russian intelligence operations shifting tactics not goals

<https://www.nato.int/docu/review/2019/Also-in-2019/russian-intelligence-operations-shifting-tactics-not-goals/EN/index.htm>

#internal security

Canadian Terrorists by the Numbers: An Assessment of Canadians Joining and Supporting Terrorist Groups

<https://www.macdonaldlaurier.ca/assessing-islamist-radicalization-canada-new-mli-report/>

#logistics

Building on bedrock or sinking into quicksand – a report on Sustaining Self-Reliance

<https://logisticsinwar.com/2019/04/27/building-on-bedrock-or-sinking-into-quicksand-a-report-on-sustaining-self-reliance/>

Hi-Intensity Operations and Sustaining Self-Reliance

<https://sldinfo.com/wp-content/uploads/2019/04/Sustaining-Self-Reliance.pdf>

#naval weapons

US, UK jointly test energy storage systems for laser weapons

<https://navaltoday.com/2019/05/02/us-uk-jointly-test-energy-storage-systems-for-laser-weapons/>

Will we see lasers onboard the CSC?

#public affairs

4 Questions Commanders Should Ask Their PAOs

<https://fromthegreennotebook.com/2019/05/01/4-questions-commanders-should-ask-their-paos/>

#RCN

Your Navy Today - April 2019

<http://www.navy-marine.forces.gc.ca/en/news-ynt/2019/04-your-navy-today.page?>

#reading

War Books: The Theory and Practice of War

<https://mwi.usma.edu/war-books-theory-practice-war/>

AirWarVietnam – Contested Skies: A Brief Guide to the Historiography of the Air War in Vietnam

<https://balloonstodrones.com/2019/05/01/airwarvietnam-contested-skies-a-brief-guide-to-the-historiography-of-the-air-war-in-vietnam/>

#space

Australia's future in space

<https://www.aspi.org.au/report/australias-future-space>

with report at: <https://s3-ap-southeast-2.amazonaws.com/ad-aspi/2018-02/Australias%20future%20in%20space.pdf>

#strategy

Britain's Declining Tank Numbers Highlights a Wider Problem

<https://rusi.org/commentary/Britains-Declining-Tank-Numbers-Highlights-a-Wider-Problem>

#war

The Utility of Proxy War

<https://www.lawfareblog.com/utility-proxy-war>

War or peace? Understanding the grey zone

<https://www.iiss.org/blogs/analysis/2019/04/understanding-the-grey-zone>

Can Courts Clear the Fog of War?

<https://foreignpolicy.com/2019/04/30/can-courts-clear-the-fog-of-war/>

Other:

Canadian Forces @CanadianForces 1:00 PM · May 2, 2019 tweeted: Our future AOPS were designed to be strong enough to navigate in a sea of ice while remaining fast enough to fulfill surveillance tasks in the Arctic. #ReadyAyeReady #ExcellenceAtSea #StrongSecureEngaged

(<https://mobile.twitter.com/CanadianForces/status/1123980666335526913>)



Our future AOPS were designed to be strong enough to navigate in a sea of ice while remaining fast enough to fulfill surveillance tasks in the Arctic. #ReadyAyeReady #ExcellenceAtSea #StrongSecureEngaged



1:00 PM · May 2, 2019 · Twitter Media Studio

International Association of Classification Societies
"Requirements Concerning Polar Class"
(www.iacs.org.uk/download/1803)

Table 1 - Polar Class descriptions

| Polar Class | Ice descriptions (based on WMO Sea Ice Nomenclature) |
|-------------|---------------------------------------------------------------------------------------|
| PC 1 | Year-round operation in all polar waters |
| PC 2 | Year-round operation in moderate multi-year ice conditions |
| PC 3 | Year-round operation in second-year ice which may include multi-year ice inclusions. |
| PC 4 | Year-round operation in thick first-year ice which may include old ice inclusions |
| PC 5 | Year-round operation in medium first-year ice which may include old ice inclusions |
| PC 6 | Summer/autumn operation in medium first-year ice which may include old ice inclusions |
| PC 7 | Summer/autumn operation in thin first-year ice which may include old ice inclusions |

SICEMA @sicema_msvu 1 May tweeted: Dr. Eichler is now recruiting Canadian veterans and veteran spouses for her independent study on “Veterans Policy and the Transition from Military to Civilian Life.” Please see poster below. @CIMVHR_ICRSMV @ItsJust700

RESEARCH PARTICIPANTS NEEDED FOR STUDY ON

Veterans Policy and the Transition from Military to Civilian Life

Did you serve with the Canadian Armed Forces after 1990? Have you since retired from the Canadian Armed Forces? Are you the spouse or former spouse of a veteran who served after 1990?

Researchers from Mount Saint Vincent University are conducting confidential interviews to learn about the experiences of veterans and their families as they transition from military to civilian life.

WE ARE SEEKING

- **CAF veterans**
- **spouses of CAF veterans**
- ***we have a special interest in members of minority groups***

For more information on the project, *please contact*

Maya Eichler at maya.eichler@msvu.ca or (902) 457-6237

* This research study has received approval by the MSVU University Research Ethics Board

Striking resemblance between the 2019 Saab Gripen ad paint scheme and the paint scheme of the RCAF 1996 CF-18 Demo.

 **Saab AB**
@Saab

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Smart, strong and cost-effective - by design.
#GripenE is the right choice for Canada.
#GripenForCanada



1:00 PM - 8 Apr 2019

 **CF-18 Demo Team**
@CF18Demo

Follow

Name that city - #throwbackthursday edition!

@RCAF_ARC

#hornet #cf18demo #1996 #rcaf



7:45 AM - 25 Apr 2019