



Royal United Services Institute of Nova Scotia Dispatches 29 July 2022

The Royal United Services Institute of Nova Scotia provides a forum for the study, promotion and debate of defence, security and safety issues.

Dispatches is a weekly collection of news of interest, including posts to social media by the Institute. Links to articles are checked at the time they are put into *Dispatches* but may be unavailable at a later date or in some countries other than Canada.

Everyone is encouraged to submit links and other content to be included in *Dispatches*. Submissions and feedback are welcome anytime. Email to RUSINSDispatches@gmail.com. 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 or other government department, the Canadian Armed Forces, the Royal Canadian Mounted Police or the Royal United Services Institute of Nova Scotia.

If you wish to receive *Dispatches* at a different address (i.e., not your work address), please inform RUSI(NS). Past editions of *Dispatches* may be requested by contacting RUSI(NS).

We Want Your Input to *Dispatches*

Readers of *Dispatches* are encouraged to submit content for your weekly at any time but especially during the upcoming weeks whilst a temporary-temporary (yes, we have got to that point) editor is managing the bulletin. Content can simply be a link to an article of possible interest that has been published somewhere (the more it is not from the few mainstream sources in Canada the better, as those articles will already have come to the attention of our readers), or, preferably, a link to an article with a few words from you 'of value added' or one to a few paragraphs of your comments. Please, we want your thoughts and perspectives. Email to RUSIDispatches@gmail.com.

Events:

To list an event in *Dispatches*, email RUSI(NS) by noon Thursday. RUSI(NS) events are by invitation. 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.

No RUSI(NS) Distinguished Speaker event is being planned for August.

Save the date: 14 September, Wednesday – RUSI(NS) Distinguished Speaker to be announced. **Note** that is a second Wednesday of the month, not our normal third.

27 October, Tuesday - Georgetown University Wargaming Society presentation "Back to the Future: The 1980s Global War Games as a Campaign of Learning." 1800-2000 EDT. Online. To register: <https://www.eventbrite.com/e/back-to-the-future-the-1980s-global-war-games-as-a-campaign-of-learning-tickets-358240826957>

Publications:

Publications without links are available on request to RUSINovaScotia@gmail.com.

On 13 Jul 22 RUSI(NS) hosted Distinguished Speakers Alexander Worobey, Canadian Centre for Cyber Security; and Natasha Cohen, US Cybersecurity & Infrastructure Security Agency Liaison to the National Security Agency. The topic of their presentations was "Canada-United States: Strengthening Cyber Resilience." The presentations were not recorded and slides will not be posted. However, some links of interest were passed during the event, and are as follows:

Get Cyber Safe

<https://getcybersafe.gc.ca/en>

4 Things You Can Do To Keep Yourself Cyber Safe

<https://www.cisa.gov/4-things-you-can-do-keep-yourself-cyber-safe>

On the Internet: Be Cautious When Connected

<https://www.fbi.gov/scams-and-safety/on-the-internet>

Tallinn Manual 2.0 on International Law Applicable to Cyber Operations

<https://ccdcoe.org/news/2020/ccdcoe-to-host-the-tallinn-manual-3-0-process/>

RUSI(NS) Presentation "No. 2 Construction Battalion: A Short History & an Apology" by Colonel (retired) John Boileau, 25 May 22, <https://rusi-ns.ca/no-2-construction-battalion/>

Canadian Marine Industries and Shipbuilding Association *On Watch*, 20 July 2022

<https://www.cmisa.ca/cpages/on-watch-current>

Edmonton United Services Institute President's *Enews*, July 2022.

Military Institute of Windsor *Communiqué*, Volume XL, Number 6, July-August 2022

Royal Alberta United Services Institute *Dispatches*, June 2022

<https://www.rausi.ca/component/acym/archive/131-rausi-dispatches-june-2022>

Royal Canadian Naval Association Admiral Hose Branch *Scuttlebutt*, June 2022 Edition.

New: Royal United Services Institute of Victoria (Australia) *Defence Update*, Volume 13, Issue 5, 25 July 2022

Royal United Services Institute of Victoria (Australia) *Quarterly Newsletter*, Volume 21, Issue 2, June 2022.

Veterans Affairs Canada *Salute!* July 2022

<https://www.veterans.gc.ca/eng/about-vac/news-media/salute/2022-07>

Tweeted by @RUSI NS:

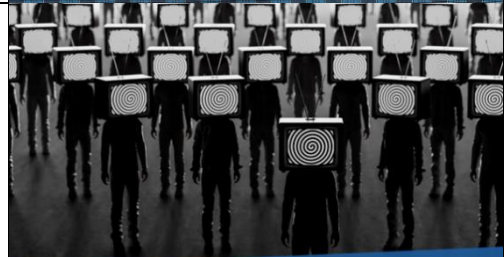
RUSI(NS) tweets may also be viewed by clicking on the Twitter icon at <https://RUSI-NS.ca>. To have something tweeted or retweeted, email RUSINovaScotia@gmail.com.

The RCAF tweeted and RUSI(NS) retweeted: Today, the RCAF established 3 Canadian Space Division (3 CSD). 3 CSD will build on space initiatives outlined in Canada's defence policy, and recognizes the importance of space in all CAF operations and day-to-day activities.

Read more here: <https://bit.ly/3ok9ec9>



The STRATCOMCOE @ STRATCOMCOE tweeted and RUSI(NS) retweeted: Identifying actors behind malicious activities online and understanding their goals can be challenging, however here is guide to four key lenses and three key types of evidence to improve ability of practitioners to collect and analyse data.💡 [StratCom | NATO Strategic Communications Centre of Excellence Riga, Latvia \(stratcomcoe.org\)](https://stratcomcoe.org)



ATTRIBUTING INFORMATION INFLUENCE OPERATIONS
IDENTIFYING THOSE RESPONSIBLE FOR MALICIOUS BEHAVIOUR ONLINE

Irving Shipbuilding @IrvingShipbuild tweeted and RUSI(NS) retweeted: Congratulations HMCS Max Bernays on a safe and successful Sea Trials. Thanks to our skilled trades whose work during the heat wave saw this ship out to sea. Thank you to the team onboard who have seen this ship safely home.



ASPI @ASPI_org tweeted and RUSI(NS) retweeted: 'Beijing... appears wedded to sending the clearest possible message that it is determined to permanently handicap the rest of the international community while scolding its members for indulging in 'zero-sum' and 'Cold War' thinking' writes Ron Huisken.



Posted on Facebook Royal United Services Institute of Nova Scotia:

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

RCAF Establishes 3 Canadian Space Division

<https://www.canada.ca/.../establishment-of-3-canadian...>

“As the international security environment becomes increasingly complex, space is a critical domain for our national security. The establishment of 3 Canadian Space Division marks an important step forward in our work to build a cutting-edge, innovative military that can anticipate and act in response to tomorrow’s threats.

We salute the members of the Royal Canadian Air Force for their continued excellence within the space domain.”



Pride in Canada's military has eroded over the past year: report

<https://www.cbc.ca/.../canada-military-survey-1.6529074>

"Canadians have a high opinion of their military but recent sexual misconduct scandals in the Canadian Armed Forces (CAF) have damaged its reputation, says a new report commissioned by the Department of National Defence."



LEE CARSON | WE MUST FIX DEFENCE PROCUREMENT

<https://cdainstitute.ca/lee-carson-we-must-fix-defence.../>

"If we are to help defend Ukraine and shore up our defence of North America, we MUST fix defence procurement."

"NATO and its member countries including Canada is in a cold war once again. So it's time to re-arm: Urgently, efficiently and effectively."



Other Sources:

#arctic

U.K. sending military expert to Canada amid Russian threat to Arctic

<https://globalnews.ca/news/9018586/uk-military-expert-canada-arctic/>

#cyber operations

Want Better Cyber Policy? Talk to Social Scientists - Modern War Institute

<https://mwi.usma.edu/want-better-cyber-policy-talk-to-social-scientists/>

Cyber at Sea: Protecting Strategic Sealift in the Age of Strategic Competition

<https://mwi.usma.edu/cyber-at-sea-protecting-strategic-sealift-in-the-age-of-strategic-competition/>

#drones (note that 'drones' is still being used as a header in Dispatches for loitering munitions and remotely piloted aerial systems)

Ukraine conflict: How are drones being used?

<https://www.bbc.com/news/world-62225830>

#Indo-Pacific

Canada: A 'Capable, Adaptive, Partner' at RIMPAC 2022

<https://www.dvidshub.net/news/425318/canada-capable-adaptive-partner-rimpac-2022>

Part 2

<https://www.dvidshub.net/news/425450/canada-capable-adaptive-partner-rimpac-2022>

Part 3

<https://www.dvidshub.net/news/425319/canada-capable-adaptive-partner-rimpac-2022>

Part 4

<https://www.dvidshub.net/news/425328/canada-capable-adaptive-partner-rimpac-2022>

#intelligence

Gender and Peacekeeping-Intelligence (Guidelines)

<http://dag.un.org/handle/11176/401169>

#legal #medical

Dread Cross?

<https://wavellroom.com/2022/07/27/dread-cross/>

#military power

How Inequality Hobbles Military Power

<https://reader.foreignaffairs.com/2022/07/22/how-inequality-hobbles-military-power/content.html>

The Other End of the Spear: The Tooth- to-Tail Ratio (T3R) in Modern Military Operations

https://www.armyupress.army.mil/Portals/7/combat-studies-institute/csi-books/mcgrath_op23.pdf

#NORAD

How NORAD Plans to Ward Off Cruise Missiles Fired at the US

<https://www.defenseone.com/technology/2022/07/how-norad-plans-ward-cruise-missiles-fired-us/374915/>

#Russia-Ukraine War

Thread by @WarintheFuture on Thread Reader App

<https://threadreaderapp.com/thread/1550389280756838402.html>

The necessity of territorial integrity | The Strategist

<https://www.aspistrategist.org.au/the-necessity-of-territorial-integrity/>

Russian Military Autonomy in Ukraine: Four Months In

<https://www.cna.org/reports/2022/07/russian-military-autonomy-in-ukraine-four-months-in>

4 questions the US and NATO need to ask, and answer, about their Ukraine strategy

<https://breakingdefense.com/2022/07/4-questions-the-us-and-nato-need-to-ask-and-answer-about-their-ukraine-strategy/>

How heavy are Russian casualties in Ukraine?

<https://www.economist.com/europe/2022/07/24/how-heavy-are-russian-casualties-in-ukraine>

Defence Intelligence update on the situation in Ukraine - 25 July 2022

<https://twitter.com/DefenceHQ/status/1551432661130002432>

Defence Intelligence update on the situation in Ukraine - 28 July 2022

<https://www.gov.uk/government/topical-events/russian-invasion-of-ukraine-uk-government-response>

Interview: Military Analyst Says Russia's Invasion Of Ukraine Is Now A 'War Of Attrition'

<https://www.rferl.org/a/russia-ukraine-war-attrition-kofman-interview/31956739.html>

Putin's Big Chill in Europe

<https://www.theatlantic.com/ideas/archive/2022/07/europe-winter-gas-shortage-russian-supply/670942/>

The Golden Arches Go to War

<https://rusi.org/explore-our-research/publications/rusi-newsbrief/golden-arches-go-war>

#Seapower

Alliances and Coalitions Are Essential

<https://www.usni.org/magazines/proceedings/2022/july/american-sea-power-project-alliances-and-coalitions-are-essential>

#shipbuilding

The National Shipbuilding Shambles

<https://defence.frontline.online/article/2022/1/19348-The-National-Shipbuilding-Shambles>

#space

Canada's new Space Division: Evolution not revolution - Breaking Defense

<https://breakingdefense.com/2022/07/canadas-new-space-division-evolution-not-revolution/>

#submarines

'Doomsday' Submarine Armed With Nuclear Torpedoes Delivers to Russian Navy

<https://news.usni.org/2022/07/08/doomsday-submarine-armed-with-nuclear-torpedoes-delivers-to-russian-navy>

#United Kingdom

Is the British Army Really a 'Reference Army'? Arguably No, It Is Not...

<https://thinpinstripedline.blogspot.com/2022/07/is-british-army-really-reference-army.html>

#War

Who Exactly Started WW1? Lessons for the US-China Rivalry

<https://www.bloomberg.com/opinion/articles/2022-07-24/who-exactly-started-ww1-lessons-for-the-us-china-rivalry>

#warfare, land

The Army Is Pushing the Limits of Bridging Ops as Ukraine's Fight Spotlights River Crossings

<https://www.sandboxx.us/blog/the-army-is-pushing-the-limits-of-bridging-ops-as-ukraines-fight-spotlights-river-crossings/>

Meeting the Challenge of Protracted Battle

<https://researchcentre.army.gov.au/library/land-power-forum/meeting-challenge-protracted-battle>

Other:

RCAF 3 Canadian Space Division

<https://www.canada.ca/en/air-force/corporate/3-canadian-space-division.html>

July-August 2022 Military Review Edition

<https://www.armyupress.army.mil/Journals/Military-Review/English-Edition-Archives/July-August-2022/>

UK Defence Intelligence Updates



UPDATE ON UKRAINE
25 July 2022

INTELLIGENCE UPDATE

- Inconclusive fighting continues in both the Donbas and Kherson sectors. Russian commanders continue to face a dilemma; whether to resource the offensive in the east, or to bolster the defence in the west.
- On 18 July 2022, intelligence identified a Russian military vehicle refit and refurbishment facility near Barvinok, in Russia's Belgorod Oblast, 10km from the Ukrainian border. At least 300 damaged vehicles were present, including main battle tanks, armoured personnel carriers, and general support trucks.
- In addition to its well documented personnel problems, Russia likely continues to struggle to extract and repair the thousands of combat vehicles which have been damaged in action in Ukraine.

INTELLIGENCE UPDATE

- Ukraine's counter-offensive in Kherson is gathering momentum. Their forces have highly likely established a bridgehead south of the Ingulets River, which forms the northern boundary of Russian-occupied Kherson.
- Ukraine has used its new long range artillery to damage at least three of the bridges across the Dnipro River which Russia relies upon to supply the areas under its control. One of these, the 1,000 metre long Antonivsky bridge near Kherson city, was damaged last week. Ukraine struck it again on 27 July 2022 and it is highly likely that the crossing is now unusable.
- Russia's 49th Army is stationed on the west bank of the Dnipro River and now looks highly vulnerable. Similarly, Kherson city, the most politically significant population centre occupied by Russia, is now virtually cut off from the other occupied territories. Its loss would severely undermine Russia's attempts to paint the occupation as a success.

Ukraine Intelligence Update

Canadian Armed Forces @CanadianForces The Canadian Armed Forces. En français:
@ForcesCanada. DND updates: @NationalDefence



CANADIAN FORCES INTELLIGENCE COMMAND
COMMANDEMENT DU RENSEIGNEMENT DES FORCES CANADIENNES

RUSSIA'S CLAIM:

Russia claims that it is holding all of its annual military exercises as usual this year, including *Vostok*, which is typically a large strategic exercise in eastern Russia.

Moscow has also indicated that it is using only a part of its available forces in Ukraine, which it claims is sufficient to attain its military objectives.

BASED ON CANADIAN FORCES INTELLIGENCE COMMAND ANALYSIS:

- We expect this year's *Vostok* exercise to be far smaller than previous ones, largely due to Russia's considerable troop shortages caused by high losses in Ukraine. During the last *Vostok* exercise in 2018, Moscow reportedly sent 300,000 Russian troops to participate.
- Almost all Russian Army units have been involved in combat in Ukraine. Russia has seen such high casualties across most of its Army units that it is struggling to even find untrained recruits to backfill deployed units.
- Currently, Russia's deployed forces in Ukraine are insufficient for it to achieve its stated objective of replacing the government in Kyiv, and Russia will continue to struggle to make even modest tactical progress on the eastern and southern fronts.