



Royal United Services Institute of Nova Scotia Dispatches 24 February 2023

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 Royal United Services Institute of Nova Scotia, the Department of National Defence or other government department, the Canadian Armed Forces, or the Royal Canadian Mounted Police or other agency.

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).

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.

RUSI(NS) Annual General Meeting

The RUSI(NS) AGM will be held via Zoom on Tuesday, **March 21st**, 2023 at **1930** to 2030 hrs. This is a change from what was announced earlier (March 28th). The agenda and annual reports will be sent out in the coming weeks. The email included the zoom coordinates, meeting ID and passcode. Please test your zoom account prior to the meeting to ensure that you have the latest version and are able to sign in. If you have a question, you can contact Blair at RUSINovaScotia@gmail.com.

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New: 1-2 March, Wednesday-Thursday - DND Stakeholder Engagement Office - Eastern Canada has forwarded an invitation to participate in the early opening of the 67th session of the United Nations Commission on the Status of Women by attending a bilingual webinar on the theme "Innovation and Technological Change and Education in the Digital Age for the Achievement of Gender Equality and the Empowerment of All Women and Girls." 1100-1400. Via Zoom. See details in 'Other' section below of *Dispatches*.

7 March, Tuesday - Georgetown University Wargaming Society presentation "Malign: Gaming Influence in the Information Age." 1800-200 EST. Online. To register: <https://www.eventbrite.com/e/malign-gaming-influence-in-the-information-age-tickets-484966807777>

New: 15 March, Wednesday – **RUSI(NS) Distinguished Speaker** Assistant Commissioner Dennis Daley, Commanding Officer, RCMP H Division, "The Nova Scotia RCMP - Forward into 2023 and beyond." 1300-1430 (arrive 1230-1300). RCMP H Div HQ, 80 Garland Drive, Dartmouth. To register, email RUSI(NS).

New: 18 April, Tuesday - Georgetown University Wargaming Society presentation by Colin Marston, UK Defence Wargaming Centre, and Graham Longley-Brown, lead author for the MOD Wargaming Handbook, titled "Influence Wargaming Handbook." 1200-1400 EDT. Online. To register: <https://www.eventbrite.com/e/influence-wargaming-handbook-tickets-524664865737>

16 May, Tuesday - Georgetown University Wargaming Society presentation "The Politics of Play: Wargaming with the US Military." Noon-1400 EST. Online. To register: <https://www.eventbrite.com/e/the-politics-of-play-wargaming-with-the-us-military-tickets-415461174557>

Canadian Forces College *The Torch*: Upcoming Events
<https://cfc-ca.libguides.com/c.php?g=709488&p=5097594>

Publications:

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

RUSI(NS) Presentation "Canadian Armed Forces/Department of National Defence Space" by BGen Mike Adamson, 15 February 2023,
<https://rusi-ns.ca/caf-dnd-space/>

RUSI(NS) History & Heritage Note "Canadian Pacific Railway's 'Support Our Troops' Locomotives," by Adam Meeks, 7 February 2023,
<https://rusi-ns.ca/locomotives/>

Royal Alberta United Services Institute presentation by Cmdre Pat Montgomery "Canada's Naval Reserve: Past, Present, and Future," 20 January 2023,
<https://www.rausi.ca/info-events/lunch-and-learn/562-canada-a-naval-reserve-past-present-and-future>

RUSI(NS) Information Note "Types of Royal Canadian Navy Combatant Warships," 30 January 2023
<https://rusi-ns.ca/types-of-rcn-combatant-warships/>

RUSI(NS) Presentation "Canadian Coast Guard Autonomous Systems and Intelligence, Surveillance and Reconnaissance Program" by Scott Hatcher, 18 January 2023,
https://rusi-ns.ca/ccg_autonomous_systems/

RUSI(NS) Information Note "Armoured Fighting Vehicles," 17 January 2023
<https://rusi-ns.ca/armoured-fighting-vehicles/>

RUSI(NS) Information Note "RCN Ship Pennant Numbers," 9 January 2023
<https://rusi-ns.ca/rcn-ship-pennant-numbers/>

Canadian Marine Industries and Shipbuilding Association *On Watch*, 15 February 2023
<https://www.cmisa.ca/cpages/on-watch-current>

Edmonton United Services Institute President's *Enews*, February 2023

New: Military Institute of Windsor *Communiqué*, Volume XLI, Number 3, March 2023

Naval Association of Canada recording "Seaspan Shipyards" by Denis Stevens, VP of Government Relations for Seaspan, 9 January 2023
https://youtu.be/XHKH6MQa_eE

Royal Alberta United Services Institute *Dispatches*, February 2023
<https://rausi.ca/component/acym/archive/183-rausi-dispatches-february-2023>

Royal Canadian Naval Association Admiral Hose Branch *Scuttlebutt*, February 2023

Royal Canadian Navy *Your Navy Today* Volume 5 Issue 7
<https://www.canada.ca/en/navy/corporate/navy-news/your-navy-today/volume-5-issue-7.html>

New: Royal United Services Institute of Vancouver Island *Newsletter*, Volume 55, 2nd Quarter 2023.

New: Royal United Services Institute of Victoria (Australia) *Defence Update*, Volume 17, Issue 1, 20 February 2023

United Services Institute of Nanaimo and North Island *Newsletter*, Vol 31, No 1, January 2023

Veterans Affairs Canada *Salute!* February 2023
<https://www.veterans.gc.ca/eng/about-vac/news-media/salute/2023-02>

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.

<p>CAN🇨🇦 extends Motor Vessel #ASTERIX lease 2 years https://shippingmatters.ca/feb-17-asterix/ Ship should be retained (purchased?) as 3rd @RoyalCanNavy replenishment oiler (https://rusi-ns.ca/auxiliary-oiler-replenishment/) to support long endurance regional ops (training, constabulary & humanitarian relief/disaster response)</p>	
<p>Canadian Armed Forces @CanadianForces Feb 16 tweeted: Today, the Government of Canada announced the deployment of two Royal Canadian Navy Kingston-class Vessels to Haiti in light of the worsening security crisis in the country. https://canada.ca/en/department-national-defence/news/2023/02/canada-deploys-two-kingston-class-ships-to-haiti-in-response-to-the-worsening-security-crisis.html</p>	

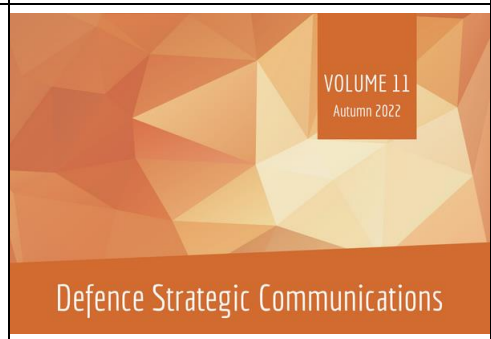
(Canada deploys two Kingston-class ships to Haiti in response to the worsening security crisis)
 RUSI(NS) retweeted: What is situation in waters off Haiti that 'presence patrols' by @RoyalCanNavy #HMCSGlaceBay & #HMCSMoncton contribute to security against onshore violence? Are arms, drugs, refugees being moved by sea? Where is "maritime picture' being collated & how being used, by whom?
 Mid-Career Army Officer @MidOfficer 18 Feb replied and RUSI(NS) retweeted: The weapons and ammunition used by Haitian gangs are generally smuggled from Florida to Haiti by sea. Any serious efforts to disarm gangs would need to be accompanied by a robust maritime interdiction force.
<https://ice.gov/news/releases/hsi-announces-crackdown-firearms-ammunition-smuggling-haiti-caribbean>
 (HSI announces crackdown on firearms, ammunition smuggling to Haiti, the Caribbean)



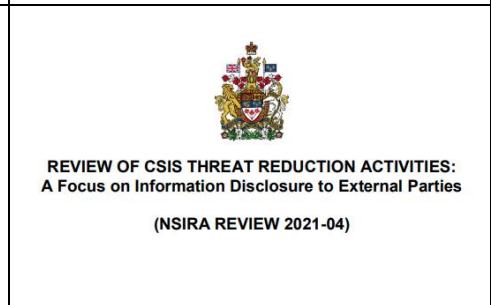
Murray Brewster @Murray_Brewster 22 Feb tweeted: Behind the political talking points - How Canada, the UK and the US convinced the Ukrainians to forget the Soviet way of warfare. #cdnpoli #Ukraine #RussiaUkraineWar
 (How Canada helped Ukraine learn to stop fighting wars the Soviet way
<https://www.cbc.ca/news/politics/ukraine-russia-canada-trainers-training-unifier-1.6755532>)
 RUSI(NS) retweeted: Maybe pre-conflict training should be counted as part of aid provided when tallying support to a country. Canada's material aid may be small in number but training for UKR soldiers obviously of great value. CAN🇨🇦 as a 'training power'?



STRATCOMCOE @STRATCOMCOE 13 Feb tweeted and RUSI(NS) retweeted: "[...] 2023 will no doubt go further, reminding us that maps sit at the forefront of how strategic communicators shape people's understanding of their world. [...]" The 11th issue of the #DefenceStrategicCommunications journal is out! Enjoy here
<https://stratcomcoe.org/publications/defence-strategic-communications-volume-11-autumn-2022/259>
 (Defence Strategic Communications | Volume 11, Autumn 2022)

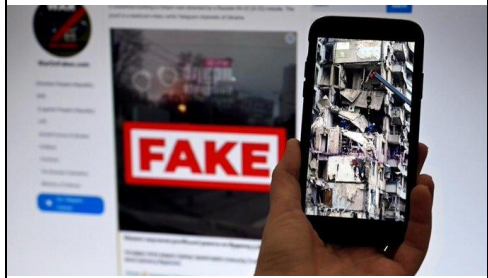


NSIRACanada @nsiracanada 16 Feb tweeted and RUSI(NS) retweeted: NSIRA's second (redacted) review of CSIS Threat Reduction Activities is now published. The focus of the review was on those activities involving CSIS information disclosures to external parties. Read it here <https://nsira-ossnr.gc.ca/wp-content/uploads/CSIS-TRM-EN-3.pdf>
 (Review of CSIS Threat Reduction Activities: A Focus on Information Disclosure to External Parties)
 NSIRA Recommendations and CSIS Responses



<https://nsira-ossnr.gc.ca/review-of-csis-threat-reduction-activities-a-focus-on-information-disclosure-to-external-parties-nsira-recommendations-and-csis-reponses>

Hybrid CoE @HybridCoE 16 Feb tweeted and RUSI(NS) retweeted: "Flooding the zone": In it's #disinformation efforts, #Russia uses fake-fact checking websites in order to sow distrust and foster indifference. @HybridCoE expert @kalenskyj talked to @AFP about the efforts & goals "to overload and confuse the audience":
(Fake 'fact-checks' seek to obscure Russian role in war
<https://www.france24.com/en/live-news/20230216-fake-fact-checks-seek-to-obscure-russian-role-in-war>)



RUSI @RUSI_org 20 Feb tweeted and RUSI(NS) retweeted: 'Rather than endlessly theorising on what we are prepared to give up, the focus should be on our demands' writes @Jack_Watling in the latest #RUSICommentary. Ending Russia's Invasion Requires a Reframing of the Discourse on Diplomacy
<https://rusi.org/explore-our-research/publications/commentary/ending-russias-invasion-requires-reframing-discourse-diplomacy>)



CDA Institute @CDAInstitute 21 Feb tweeted and RUSI(NS) retweeted: On Track Vol. 30: Hybrid Warfare: Fighting Back With Whole-Of-Society Tactics is available now! This issue examines the implications of hybrid warfare for Canada and other liberal democracies. <https://cdainstitute.ca/hybrid-warfare-fighting-back-with-whole-of-society-tactics/>



Canadian Army @CanadianArmy Feb 12 tweeted: Impressive firepower and battlefield mobility allow Main Battle Tanks to defeat the enemy.
<https://flickr.com/photos/canadianarmy/albums/72177720305781233>

RUSI(NS) retweeted: RUSI(NS) Info Note "Armoured Fighting Vehicles" <https://rusi-ns.ca/armoured-fighting-vehicles/> Definitions of battle tank, armoured combat vehicle, armoured personnel carrier APC, armoured infantry fighting vehicle AIFV, heavy armament combat vehicle, armoured car



RUSI @RUSI_org 21 Feb tweeted and RUSI(NS) retweeted: 'The Russians have employed a rigid logistics structure that is reliant upon critical installations such as train lines and has a limited ability to operate away from railheads' writes Morgan Douro in today's #RUSICommentary. (MLRS and the Totality of the Battlefield https://twitter.com/RUSI_org/status/1628045653615038466)



Canadian Global Affairs Institute @CAGlobalAffairs 22 Feb tweeted and RUSI(NS) retweeted: "Beyond the future of #Ukraine, what is also at stake in the war is the West's capacity to shape its strategic environment..." - writes @TheAlphenGroup and @Frenclindley in their 2023 strategy for securing Ukraine. Co-published with the @hcssnl <https://cgai.ca/a-comprehensive-strategy-to-secure-ukraines-future> (A Comprehensive Strategy to Secure Ukraine's Future)



Aker Arctic @AkerArctic 22 Feb tweeted and RUSI(NS) retweeted: In early 2021, we began developing the #icebreaking Multi-Purpose Vessels (MPV) in close co-operation with Seaspan Vancouver Shipyards and the Canadian Coast Guard. You can read about the project in the latest issue of our #ArcticPassion News: https://akerarctic.fi/app/uploads/2023/02/Passion_news_2023_nro_01_pages_9-10.pdf #ARC146 (Multi-Purpose Vessel designed for Canada)



Naval Remote Weapons System

Tweeted picture of NRWS 8 Feb 23 o/b HMCS *Fredericton*.

One wonders when the Kingston-class ships will start getting their NRWS, replacing the 40mm Boffins (yes, Boffins, not Bofors) removed some time ago.



It's a bird, it's a...

Paul M. Kearney @GStrategerist 19 Feb tweeted: Well, now the birds really aren't real... (Researchers resurrect dead birds as drones, thanks to taxidermy <https://interestingengineering.com/innovation/new-dead-bird-part-drones>)



New Scientist @newscientist 19 Feb tweeted: Stuffed birds preserved by taxidermy have been added to drones, which could let researchers more stealthily study wild birds – or they could be used in military spy missions

(Stuffed dead birds made into drones could spy on animals or humans

<https://www.newscientist.com/article/2359062-stuffed-dead-birds-made-into-drones-could-spy-on-animals-or-humans/>)

Does this mean that those undertaking counter-drone measures have to include ornithology as part of their training? (Ornithology = the study of birds, including bird physiology, behaviour, population structure, and how they live in their environment.)

Posted on Facebook “Royal United Services Institute of Nova Scotia”:

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May the farce be with you: the assault on Vodyane village

<https://wavellroom.com/2023/02/20/vodyane-village-assault/>

'Shell hunger.' That's an expression to remember. Of course, shell shortage has been a major concern in previous wars, especially during the Great War on the eastern front. And then there's, too, the need for replacement gun barrels (tube artillery). Have Canadian military staff studies be done to calculate consumption in various scenarios (intensity of combat) and whether manufacture in Canada or from allies can cover requirements?



BTW, the article is eye opening.

Speaking of barrel replacement...

Clooud @GloOuD tweeted 20 Feb: Briefly about the intensity of the battles...

The red barrel of the NSV "Utyos" machine gun.



Here's how the Marine Corps plans to overhaul its 25 installations

<https://www.marinecorpstimes.com/news/your-marine-corps/2023/02/23/heres-how-the-marine-corps-plans-to-overhaul-its-25-installations/>

The US Marine Corps "It will start looking into whether it can use 3D printing to rebuild base infrastructure after it sustains damage, whether from a drone strike or a hurricane."



There have been efforts at building using 3D printing for some years. Might the Canadian Armed Forces be considering using the technology to 'print' buildings for routine and contingency/emergency occasions?

The US Marine Corps plan: "Installations and Logistics 2030" (<https://www.marines.mil/Installations-and-Logistics-2030/>).

Balloon expert explains the challenges of shooting down China's suspected spy balloon

<https://techcrunch.com/2023/02/17/balloon-expert-explains-the-challenges-of-shooting-down-chinas-suspected-spy-balloon/>



"High-altitude balloons themselves are not new: In fact, there are upwards of thousands of balloons operating in the stratosphere every day..."

Maybe there needs to be a special 'balloon' contact layer in the Recognized Air Picture maintained by military and other government operations centres.

"The stratosphere is closer to Mars' atmosphere than Earth's atmosphere. It's actually very complicated to navigate..."

Is there a gap (layer) in the atmosphere where Royal Canadian Air Force aircraft operate and can respond to unknown contacts, and where the 3 Canadian Space Division (<https://rusi-ns.ca/caf-dnd-space/>) is responsible? How does that get filled for tracking and response purposes?

- - -

related: Why wasn't the suspected Chinese spy balloon shot down over Canada?

<https://www.ctvnews.ca/sci-tech/why-wasn-t-the-suspected-chinese-spy-balloon-shot-down-over-canada-1.6262580>

China's militarisation of meteorological balloons

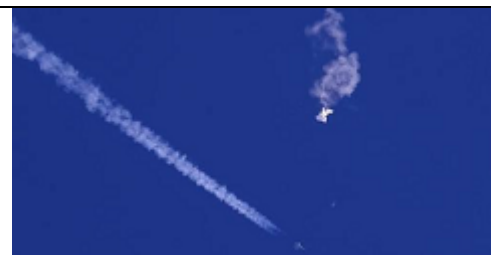
<https://www.aspistrategist.org.au/chinas-militarisation-of-meteorological-balloons/>

It seems that the Chinese have put considerable effort into developing their balloon capability. Is there now a 'balloon gap' in international and great power relations?



'Wake-up call:' Flying objects raise concerns about Arctic security

<https://www.townandcountrytoday.com/national-news/wake-up-call-flying-objects-raise-concerns-about-arctic-security-6567738>



Other Sources:

#airpower

Regenerating Warfighting Credibility for European NATO Air Forces

<https://rusi.org/explore-our-research/publications/whitehall-reports/regenerating-warfighting-credibility-european-nato-air-forces>

Lessons from the Russia-Ukraine War.

#Arctic

Canadian military found Chinese monitoring buoys in the Arctic

<https://www.theglobeandmail.com/politics/article-canadian-military-found-chinese-monitoring-buoys-in-the-arctic/>

Arctic Now Number One Priority for Russia, Norway Looking to Allies for Increased Deterrence

<https://www.highnorthnews.com/en/arctic-now-number-one-priority-russia-norway-looking-allies-increased-deterrence>

#balloons

How the West May Have Helped Build China's Spy Balloons

<https://www.defenseone.com/ideas/2023/02/how-west-may-have-helped-build-chinas-spy-balloons/383029/>

Aerostats, heavy-lift airships, we need a glossary of balloon-related terms. Plus better insight into what Western defence industries are enabling adversarial states.

The strange objects in US airspace may be an even bigger problem than we thought

<https://www.cnn.com/2023/02/12/opinions/china-military-ufo-shoot-down-spy-balloon-bergen/index.html>

with: Office of the Director of National Intelligence 2022 Annual Report on Unidentified Aerial Phenomena

<https://www.dni.gov/files/ODNI/documents/assessments/Unclassified-2022-Annual-Report-UAP.pdf>

#cyber operations

EU Organizations Warned of Chinese APT Attacks

<https://www.securityweek.com/eu-organizations-warned-of-chinese-apt-attacks/>

APT = advanced persistent threat

Mass Data Leaks Sound Alarm About Taiwan's Cybersecurity

<https://thediplomat.com/2023/02/mass-data-leaks-sound-alarm-about-taiwans-cybersecurity/>

How Ukraine War Has Shaped US Planning for a China Conflict

<https://www.securityweek.com/how-ukraine-war-has-shaped-us-planning-for-a-china-conflict/>

Security experts warn of foreign cyber threat to 2024 voting

<https://abcnews.go.com/Politics/wireStory/security-experts-warn-foreign-cyber-threat-2024-voting-97270632>

Fog of war: how the Ukraine conflict transformed the cyber threat landscape

<https://blog.google/threat-analysis-group/fog-of-war-how-the-ukraine-conflict-transformed-the-cyber-threat-landscape/>

Hacks, Bots and Blackmail: How Secret Cyber Mercenaries Disrupt Elections

<https://www.occrp.org/en/storykillers/hacks-bots-and-blackmail-how-secret-cyber-mercenaries-disrupt-elections>

Paralyzed at the Pier: Schrödinger's Fleet and Systemic Naval Cyber Compromise

<https://cimsec.org/paralyzed-at-the-pier-schrodingers-fleet-and-systemic-naval-cyber-compromise/>

A Canadian issue, too?

#drones

How Modern Drones Made Their Military Debut During WWI

<https://www.slashgear.com/1202335/how-modern-drones-made-their-military-debut-during-wwi/>

Crew-Optional USNS Apalachicola Delivers to the Navy, Ship's Unmanned Future Unclear

<https://news.usni.org/2023/02/16/crew-optional-usns-apalachicola-delivers-to-the-navy-ships-unmanned-future-unclear>

Wonder how Rules of the Road are handled...

#reading

War Books: Beginning Your Professional Development Journey through Reading

<https://mwi.usma.edu/war-books-beginning-your-professional-development-journey-through-reading/>

#Russia

2023: The Strategic Outlook for Russia

<https://cdainstitute.ca/2023-the-strategic-outlook-for-russia/>

#grand strategy

The Confrontation with Russia and US Grand Strategy

<https://www.fpri.org/article/2023/02/the-confrontation-with-russia-and-us-grand-strategy/>

Term alert! "Sharp power is the use of manipulative diplomatic policies by one country to influence and undermine the political system of a target country."

#Russia-Ukraine War

This is the Cost of Appeasement

<https://cdainstitute.ca/this-is-the-cost-of-appeasement/>

Anatomy of a Russian Army village assault

<https://wavelroom.com/2023/02/01/anatomy-of-a-russian-army-village-assault/>

Retaking Crimea

<https://twitter.com/WarintheFuture/status/1619932842297016320>

Links to several articles in this tweet thread.

Assessing Russian Casualties

https://henryschlottman.substack.com/p/assessing-russian-casualties-739?utm_campaign=auto_share

Ukraine's longer range fires

<https://threadreaderapp.com/thread/1621652218515722241.html>

Walking the Talk: Threats and Ambiguity in Western Sanctions on Russia

<https://rusi.org/explore-our-research/publications/commentary/walking-talk-threats-and-ambiguity-western-sanctions-russia>

"War changes everything: Russia after Ukraine"

<https://www.ndc.nato.int/news/news.php?icode=1798>

A year after Russia invaded Ukraine, Putin is beginning new offensives – and he desperately needs a victory

<https://www.abc.net.au/news/2023-02-14/year-russia-invaded-ukraine-putin-2023-offensives-needs-victory/101965116>

By Mick Ryan, always worth a read.

Russian War vs Ukraine: Examining Past and Future

<https://www.miragenews.com/russian-war-vs-ukraine-examining-past-and-future-949947/>

Note the author is at the UK Ministry of Defence Office of Net Assessment and Challenge. That could be an interesting directorate to keep an eye on. See: "The MoD's newly independent 'net assessment' capability can make a huge difference"

<https://policyexchange.org.uk/blogs/the-mods-newly-independent-net-assessment-capability-can-make-a-huge-difference/>

Historical continuities after a year of war in Ukraine

<https://twitter.com/WarintheFuture/status/1627617590989438976>

or <https://mickryan.substack.com/p/a-year-of-war-part-i>

Report to Congress on Military, Intelligence Issues on Russian Invasion of Ukraine

<https://news.usni.org/2023/02/22/report-to-congress-on-military-intelligence-issues-on-russian-invasion-of-ukraine-2>

The War in Ukraine Is Also a Battle of Narratives

<https://www.worldpoliticsreview.com/putin-war-ukraine-russia-united-states-biden-xi-jinping-china/>

"At the end of the first year of war, the narrative battle over how to frame the conflict has taken an even more prominent position in the global geopolitical arena."

One Year On, Why Putin Has Already Lost the War

<https://www.defenseone.com/policy/2023/02/one-year-why-putin-has-already-lost-war/383270/>

Why Can't Russia Figure Out How to Win in Ukraine?

<https://nymag.com/intelligencer/2023/02/why-cant-russia-figure-out-how-to-win-in-ukraine.html>

#logistics #intelligence

Russian 'mechanized logistics'

<https://twitter.com/TrentTelenko/status/1627471413589286914>

Interesting for its perspective (count loaders, not just tanks!) and its criticism of intelligence analysis.

#maritime security

The Impact Of Russia's Year-Long Invasion On The Maritime Ecosystem & Global Economy

<https://www.hellenicshippingnews.com/the-impact-of-russias-year-long-invasion-on-the-maritime-ecosystem-global-economy/>

#space

Spy balloons, sky clutter and UFOs: what flies in the 'forgotten space'?

<https://www.ft.com/content/c2822440-079d-46d2-aa59-f0ad80175895>

A graphic from the article is at the end of Dispatches. Provides an appreciation of the area (volume) of responsibility of 3 Canadian Space Division. From the Karman line (100 km) to geosynchronous orbit (35,786 km).

#strategy

The Strategy Delusion

<https://thestrategybridge.org/the-bridge/2018/8/9/the-strategy-delusion>

The Meaning of Strategy

<https://repositories.lib.utexas.edu/bitstream/handle/2152/63940/Freedman-TNSR-Vol-1-Issue-2-.pdf>

On Efficacy: A Beginner's Guide to Strategic Theory

<https://www.militarystrategymagazine.com/article/on-efficacy-a-beginners-guide-to-strategic-theory/>

Strategy Verbs Theory: A Dysfunctional Relationship

<https://thestrategybridge.org/the-bridge/2020/2/25/strategy-verbs-theory-a-dysfunctional-relationship>

#war

Clausewitz's Definition of War and its Limits

<https://www.militarystrategymagazine.com/article/clausewitzs-definition-of-war-and-its-limits/>

Putting Slack and Margin Back in the Military

<https://www.aei.org/foreign-and-defense-policy/putting-slack-and-margin-back-in-the-military/>

Battle: A History Of Combat And Culture

book review: https://wavelroom.com/2023/02/22/wavellreviews-battle-j_lynn/

#wargaming

Better Strategy? It's all in the Game (Wargaming Room)

<https://warroom.armywarcollege.edu/podcasts/wargame-dev/>

Other:

Canadian Forces College *The Torch* What's New This Week? 21-27 February

<https://cfc-ca.libguides.com/c.php?g=709488&p=5224119>

Innovation and Technological Change and Education in the Digital Age for the Achievement of Gender Equality and the Empowerment of All Women and Girls/innovation et évolution technologique et éducation à l'ère du numérique aux fins de la réalisation de l'égalité des sexes et de l'autonomisation de toutes les femmes et de toutes les filles

Pour souligner la Journée internationale des droits des femmes, participez à l'ouverture anticipée de la 67e session de la Commission de la condition de la femme (CSW67) des Nations Unies en assistant à notre webinaire bilingue sur Zoom les 1er et 2 mars 2023 de 11h à 14h.

Rejoignez les panélistes pour partager des informations sur le thème : "*innovation et évolution technologique et éducation à l'ère du numérique aux fins de la réalisation de l'égalité des sexes et de l'autonomisation de toutes les femmes et de toutes les filles*". L'égalité des sexes est essentielle à la croissance des entreprises, à l'innovation, à l'économie du savoir et à la réalisation des objectifs de développement durable des Nations Unies.

Nous aurons l'honneur d'accueillir des femmes qui nous inspirent, des leaders fortes, engagées et des actrices de changement social! Notamment :

- **L'honorable Anita Anand, Ministre de la Défense nationale du Canada**
- L'honorable Mélanie Joly, Ministre des Affaires étrangères du Canada
- Louise Cordeau, membre du Conseil du Statut de la femme du Québec
- Patricia Leson, Présidente du Conseil national des femmes du Canada
- Christine St-Pierre, ancienne ministre des relations internationales et de la Francophonie du Québec
- L'honorable Marci Ien, Ministre des femmes et de l'égalité des genres et de la Jeunesse Canada
- Louise Cordeau, membre du Conseil du Statut de la Femme du Québec
- Son Excellence Mme Konstantina Athanassiadou, Ambassadrice de la Grèce au Canada
- Cristina Marinescu, Consul Intérimaire de la Roumanie à Montréal
- Agadir Mustafa, Consul Général d'Iraq à Montréal

Les présentations seront suivies d'une période de questions. Les participants sont encouragés à poser leurs questions, parler de leurs expériences et partager leurs idées. L'interprétation simultanée sera offerte dans les deux langues officielles.

Pour vous inscrire (c'est gratuit): [Bringing CSW home: celebrating international women's day Tickets, Wed, 1 Mar 2023 at 11:00 AM | Eventbrite \(https://www.eventbrite.ca/e/bringing-csw-home-celebrating-international-womens-day-tickets-541106021677?fbclid=IwAR1fW_S_LDBMcxJ6t2S09ytSuK-Z2zipDCH7GBOMqjG8FMV6jb1OZ0gPdY\)](https://www.eventbrite.ca/e/bringing-csw-home-celebrating-international-womens-day-tickets)

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To mark International Women's Day, participate in the early opening of the 67th session of the United Nations Commission on the Status of Women (CSW67) by attending our bilingual webinar to be held on Zoom on March 1 and 2, 2023 from 11 a.m. to 2 p.m.

Join the panellists to share information on the theme: "Innovation and Technological Change and Education in the Digital Age for the Achievement of Gender Equality and the Empowerment of All Women and Girls". Gender equality is essential for business growth, innovation, the knowledge economy and the achievement of the United Nations Sustainable Development Goals.

We will have the honor of welcoming women who inspire us: strong and committed leaders, actors of social change! Notably:

- **The Honourable Anita Anand, Minister of National Defense of Canada**
- The Honourable Mélanie Joly, Minister of Foreign Affairs of Canada
- Louise Cordeau, member of the Quebec Council for the Status of Women
- Patricia Leson, President of the National Council of Women of Canada
- Christine St-Pierre, former Minister of International Relations and La Francophonie of Quebec
- The Honourable Marci Ien, Minister for Women and Gender Equality and Youth Canada
- Louise Cordeau, member of the Council for the Status of Women in Quebec

- Her Excellency Mrs. Konstantina Athanassiadou, Ambassador of Greece to Canada
- Cristina Marinescu, Acting Consul of Romania in Montreal
- Agadir Mustafa, Consul General of Iraq in Montreal

The presentations will be followed by a question period. Participants are encouraged to bring forward their questions, experiences and share their ideas. Simultaneous interpretation will be offered in both official languages.

To register (it is free) : [Bringing CSW home: celebrating international women's day Tickets, Wed, 1 Mar 2023 at 11:00 AM | Eventbrite \(https://www.eventbrite.ca/e/bringing-csw-home-celebrating-international-womens-day-tickets-541106021677?fbclid=IwAR1fW_S_LDBMcxJ6t2S09ytSuK-Z2zipDCH7GBOMqjG8FMjV6jb1OZ0gPdY\)](https://www.eventbrite.ca/e/bringing-csw-home-celebrating-international-womens-day-tickets-541106021677?fbclid=IwAR1fW_S_LDBMcxJ6t2S09ytSuK-Z2zipDCH7GBOMqjG8FMjV6jb1OZ0gPdY)

Skies Magazine February/March 2023

<https://issues.skiesmag.com/554/766/1704/CSV13I1-FebMar/index.html>

contents:

Rescuing SAR (analysis of Kingsfisher and Cormorant)

Leaving a Legacy (Boeing 747)

A Pilot's Paradise (piloting floatplanes in Maldives)

Superior Simulation (aircraft simulation centre)

Yukon's Airline (story of Air North)

Defence Strategic Communications | Volume 11, Autumn 2022

<https://stratcomcoe.org/publications/defence-strategic-communications-volume-11-autumn-2022/259>

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DEFENCE STRATEGIC COMMUNICATIONS

The official journal of the
NATO Strategic Communications Centre of Excellence

Shot by Both Sides: The War in Ukraine, Italy, and NATO'S Strategic Communications Challenges

Stemming The Narrative Flow: The Legal And Psychological Grounding for The European Union's Ban on Russian State-Sponsored Media

Measuring The Effectiveness of Celebrity Activism: Celebrity Advocate v Celebrity Endorser

Guiding Word-Of-Mouth (WOM) Through Organic Social Media for Effective Strategic Communications: a Literature Review

Disinformation and Scholarly Communications

Persuasion Not Propaganda: Overcoming Controversies Of Domestic Influence in NATO Military Strategic Communications

Democracy, Power, and Our Failing Imaginations

The Ugly Mirror Avots

Russia v The World: Was That Inevitable?

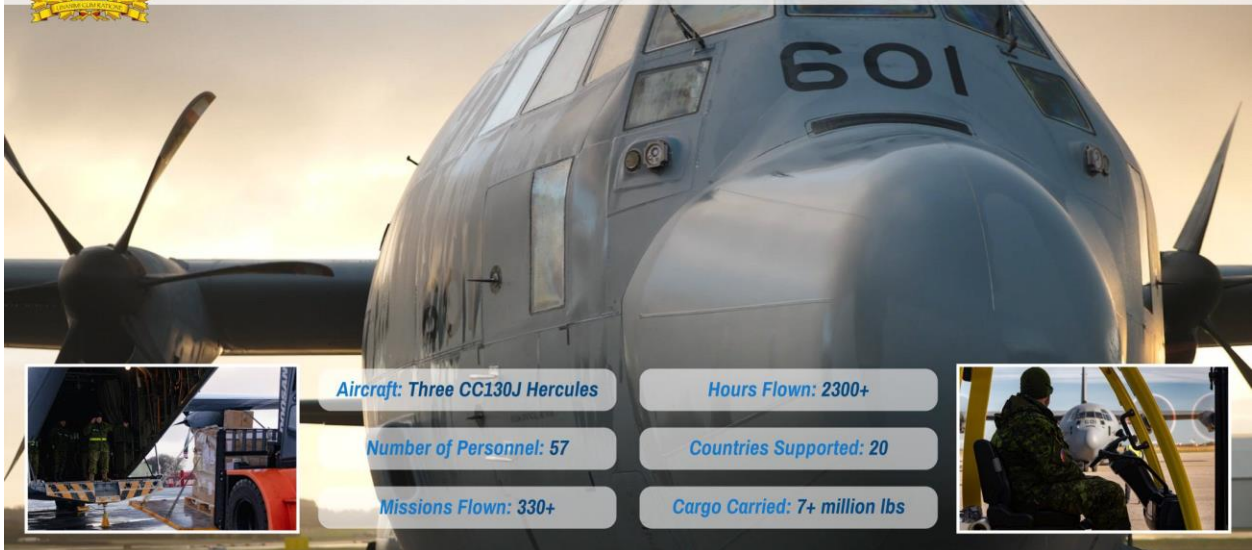
Home before Dark: China's Approach to The Russian War in Ukraine

Security Affairs Committee Synopsis

There will be no synopsis for a few weeks due to the unavailability of the RUSI(NS) member who collates and writes it (the 'synopsis-er?').



Since the first mission flown on 3 March 2022, the RCAF's Air Task Force-Prestwick has carried over 7+ million pounds of Canadian, Allied and Partner nation cargo in support of #Ukraine! The ATF is a hub for RCAF activity in Europe, supporting transatlantic CC-177 Globemaster, CC-150 Polaris and other aircraft.



Aircraft: Three CC130J Hercules

Hours Flown: 2300+

Number of Personnel: 57

Countries Supported: 20

Missions Flown: 330+

Cargo Carried: 7+ million lbs



UPDATE ON UKRAINE
17 February 2023

INTELLIGENCE UPDATE

- Russian Ministry of Defence and private military contractor (PMC) forces have likely suffered 175-200,000 casualties since the start of the invasion of Ukraine. This likely includes approximately 40-60,000 killed. The Russian casualty rate has significantly increased since September 2022 when 'partial mobilisation' was imposed.
- By modern standards, these figures represent a high ratio of personnel killed compared to those wounded. This is almost certainly due to extremely rudimentary medical provision across much of the force. Artillery has almost certainly inflicted the majority of Russia's casualties.
- Wagner PMC forces have deployed large numbers of convict-recruits. These have probably experienced a casualty rate of up to 50%.

INTELLIGENCE UPDATE

- Andrey Turchak, the leader of the Russian parliamentary group that is focused on the so-called Special Military Operation in Ukraine, stated on 16 February 2023 that the group had presented a report to Russian President Putin.
- The report is likely to cover issues such as social support to those mobilised and their families. This issue is likely to become more salient if any further mobilisation (be it overt or tacit) takes place. Putin may well refer to these issues in his state of the nation address on 21 February 2023.
- It is becoming increasingly difficult for the Kremlin to insulate the population from the war in Ukraine. A December 2022 Russian poll reported that 52% had either a friend or relative who had served in the so-called Special Military Operation.

INTELLIGENCE UPDATE

- On 15 February 2023 Ukrainian armed forces spotted several balloons with radar reflectors suspended beneath them over Kyiv. Ukrainian officials reported that they shot down at least six of these. Earlier, on 12 February 2023, Ukraine's Air Force reported sighting balloons over eastern Dnipropetrovsk.
- It is likely that the balloons were Russian. They likely represent a new tactic by Russia to gain information about Ukrainian air defence systems and compel the Ukrainians to expend valuable stocks of surface to air missiles and ammunition.
- On 14 February 2023, sighting of a 'balloon shaped' object led to the closure of Moldovan airspace for several hours. There is a realistic possibility that this was a Russian balloon that had drifted from Ukrainian airspace.

Russia employs new tactics to weaken Ukraine's air defense

<https://euromaidanpress.com/2023/02/19/russia-employs-new-tactics-to-weaken-ukraines-air-defense-british-intel/>

"Russian forces use balloons with radar reflectors suspended beneath them to gain information about Ukrainian air defence systems and compel the Ukrainians to expend valuable stocks of surface-to-air missiles and ammunition, British Intelligence reported."



INTELLIGENCE UPDATE

- Russia continues to pursue several offensive axes in eastern Ukraine: Vuhledar, Kremina, and Bakhmut. Casualties reportedly remain high, particularly in Bakhmut and Vuhledar. Specifically, the 'elite' 155th and 40th Naval Infantry Brigades have sustained very high losses in Vuhledar and are likely combat ineffective.
- Russian forces are likely under increasing political pressure as the anniversary of the invasion draws near. It is likely that Russia will claim that Bakhmut has been captured to align with the anniversary, regardless of the reality on the ground.
- If Russia's spring offensive fails to achieve anything then tensions within the Russian leadership will likely increase.

INTELLIGENCE UPDATE

- As of 13 February 2023, the United Nations Office of the High Commissioner for Human Rights (OHCHR) had recorded 18,955 civilian casualties since the start of Russia's full-scale invasion of Ukraine. This consisted of 7,199 killed and 11,756 injured. 697 of the civilian casualties occurred in January 2023.
- The OHCHR has stated it believes that the actual figures are considerably higher. Based on other, independent analysis, over 16,000 civilians have likely been killed. Data from January 2023 indicated that the violence continued along the 1,200km front line, but was primarily concentrated in Donetsk, Luhansk and Zaporizhzhia oblasts.
- Throughout January 2023, there was a very high intensity, and worsening trend, of damage being inflicted on both medical and educational facilities. These incidents, and continued civilian casualties are likely largely due to Russia's lack of discrimination in the use of artillery and other area weapon systems.

INTELLIGENCE UPDATE

- On 21 February 2023, President Putin made his first State of the Nation speech since 2021. He made it clear that he intends to continue with the 'special military operation' in Ukraine. He characterised Western elites as having "become a symbol of total unprincipled lies" and suspended Russia from the New START treaty.
- Putin continued the bellicose tone he has adopted in speeches over the last six months but did not reveal any practical measures which might relieve Russia's current deadlock on the battlefield.
- Putin continues to present a contradictory narrative of existential struggle, while insisting everything in Russia is fine and going to plan. This renders both messages ineffective.



CANADIAN FORCES INTELLIGENCE COMMAND
COMMANDEMENT DU RENSEIGNEMENT DES FORCES CANADIENNES

RUSSIA'S CLAIM:

In his speech on February 21, Russian President Vladimir Putin claimed that the experience Russia has gained during its "special military operation" in Ukraine will shape the future development of its armed forces.

BASED ON CANADIAN FORCES INTELLIGENCE COMMAND ANALYSIS:

- Russian forces have shown poor adaptability during the first year of their invasion of Ukraine. Russia's systemic military and industrial problems will likely hinder its efforts to reconstitute forces, making its losses in Ukraine a setback of generational proportions.
- Ukrainian defenders have demonstrated much greater flexibility and innovation than Russian forces, allowing them to destroy enormous quantities of equipment and withstand Russia's vast munitions expenditure.
- Not only will Russia's armed force development be hampered by the drawn-out war, but its entire society will also feel the effects. The conflict will further degrade living standards, erode civil liberties, and involve a substantial human toll for the Russian people.

INTELLIGENCE UPDATE

- Over the last 48 hours, heavy fighting has continued in the Bakhmut sector where Ukrainian forces are keeping resupply routes open to the west despite Russia's creeping encirclement over the last six weeks.
- Further south in Donetsk Oblast, the town of Vuhledar has again experienced heavy shelling. There is a realistic possibility that Russia is preparing for another offensive effort in this area despite costly failed attacks in early February and late 2022.
- Russia's Eastern Group of Forces likely still has responsibility for the Vuhledar operation. Its commander, Colonel General Rustam Muradov, is likely under intense pressure to improve results following harsh criticism from the Russian nationalist community after previous setbacks. However, it is unlikely that Muradov has a striking force capable of achieving a breakthrough.

Sal Mercogliano (WGOW Shipping) @mercoglianos 20 Feb tweeted: The crew in the @GoodyearBlimp are flying over the Daytona 500 with safety in mind!



What's in the sky above the Earth?

