

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

*Dispatches* is a weekly collection of links and news of current interest, included those tweeted and posted by the Institute on social media. Links to articles are checked at the time they are put into *Dispatches* but may be unavailable at a later date or in some states other than Canada.

If you are not a routine recipient of *Dispatches* but wish to be so, email the Institute's Chief Information Officer (CIO) at <u>RUSINovaScotia@gmail.com</u>. If you do not want to receive *Dispatches*, or wish to receive it at some different frequency, please inform the CIO. If you wish to receive *Dispatches* at a different address (i.e., not your work address), please inform the CIO. Past editions of *Dispatches* may be requested by contacting the CIO.

Everyone is encouraged to email to the CIO links and other content to be included in *Dispatches*.

Submissions and feedback are welcome anytime. Comments to articles can be from members or nonmembers of RUSI(NS). Any comment in *Dispatches* is the sole opinion of the author and does not necessarily represent the views of the Canadian Department of National Defence, the Canadian Armed Forces, the Royal Canadian Mounted Police or the Royal United Services Institute of Nova Scotia

## RUSI(NS) also publishes:

1. a weekly Dimensions Newsletter, (formally called *Defence & Security Newsletter*) aimed at opinion leaders and industry. If you are interested in receiving this newsletter, email <u>admin@duncom.ca</u>; and 2. a weekly *China Open Source Newsletter* of articles curated from Chinese military-related websites based inside mainland China. If you are interested in receiving this newsletter, email <u>RUSINovaScotia@gmail.com</u>.

Visit the Watch. A publication from NORAD/USNORTHCOM on Face Book.

To view go to <a href="https://www.facebook.com/TheWatchNorthcom/">https://www.facebook.com/TheWatchNorthcom/</a>



Holiday Message from U.S. Consul General to Atlantic Canada, Kevin D. Skillin

Dear friends,

As we prepare for a unique holiday season in this unprecedented and challenging year, we are reminded that our friendship and human connections remain stronger and more important than ever. I want to



share a few holiday wishes from the U.S. Consulate General in Halifax.

Please take a moment to watch at https://www.facebook.com/usconsulatehalifax/videos/218929426413244

On behalf of my family and the entire staff of the U.S. Consulate General in Halifax, may you enjoy a healthy, safe, and happy holiday season and best wishes for a brighter 2021.

Warmest regards, Kevin, Becky, and family

Please keep in touch with the U.S. Consulate General in Halifax Twitter - <u>https://twitter.com/usconshalifax</u> Facebook - <u>https://www.facebook.com/usconsulatehalifax</u>

### **Events:**

To list an event in *Dispatches*, email the CIO by noon Thursday. If you have an idea for a topic or speaker, please email <u>RUSINovaScotia@gmail.com</u>. RUSI(NS) events may be cancelled at short notice – email RUSI(NS) if there is a question of an event occurring.

New: **17 December**, Thursday - Navy League of Canada Maritime Affairs Distinguished Speaker Rear-Admiral Casper Donovan, Director General Future Ship Capability, Royal Canadian Navy, speaking on "Innovation in the Royal Canadian Navy." Noon EST. Via MS Teams. To register, email Maria Granados <u>mgranados@navyleague.ca</u>.

**12 January**, Tuesday - RCN presentation "Canadian Surface Combatants - the RIGHT ship for the Royal Canadian Navy, the RIGHT ship for Canada" by Captain(N) Christopher Nucci, Director Naval Strategy. This is a reschedule of the event previously scheduled for 2 December 2020. Invitation to follow.

**20 January 2021**, Wednesday – RUSI(NS) Distinguished Speaker Major-General Michel-Henri St-Louis, titled "Against Daesh, and for the World Order": An Update on Operation IMPACT in the COVID-19 Era." 1300-1500, via Zoom. Call-to-meeting and invitations will be sent later. Registration will commence in the New Year.

**27 January**, Wednesday - RCN presentation "A portrait of an artist - Sculptor-in-Residence, Royal Canadian Navy, Mr. Christian Corbet." In 2012, Christian Corbet was named SiR for the RCN. Attendees to this virtual presentation will have access his workshop and a once-in-a-life time opportunity to learn more about the RCN SiR and the worldwide work of Christian Corbet, widely recognized as one of Canada's pre-eminent artists. Invitation to follow.

# **Recent Publications:**

RUSI(NS) Presentations "Arctic Continental Defense: Canada and US Perspectives" by LCol Burke, JTFN, and Mr Davis, NORAD and NORTHCOM, 18 November 2020 <u>https://rusi-ns.ca/arctic\_continental\_defence/</u>

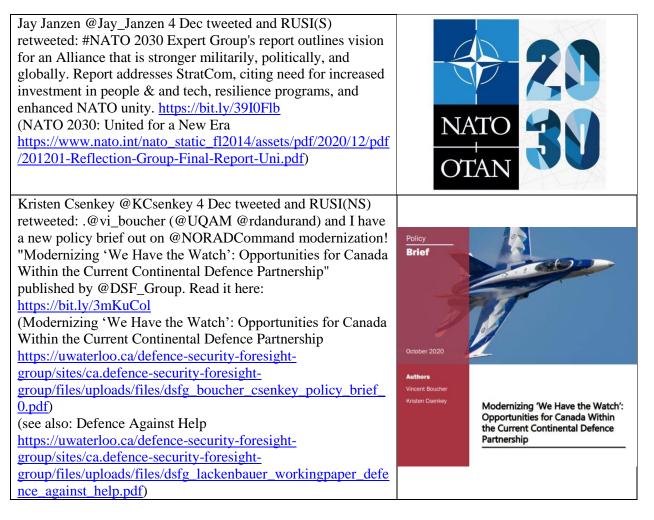
University Training Divisions Association Gunroom Shots Volume 1, Issue 1, November 2020, is available on request to <u>RUSIINovaScotia@gmail.com</u>.

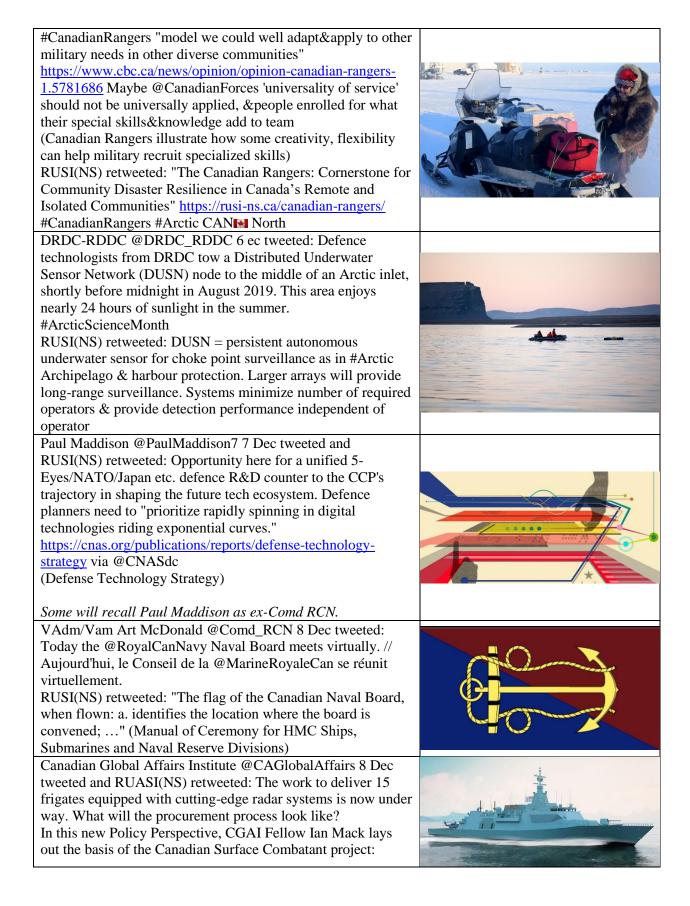
The Edmonton United Services Institute President's Enews November 2020 is available on request to <u>RUSINovaScotia@gmail.com</u>.

The Military Institute of Windsor Communiqué, Volume XXXVIII Number 11 December 2020 is available on request to <u>RUSINovaScotia@gmail.com</u>.

The United Services Institute of Nanaimo and North Island (USINNI) Newsletter Vol 28 No 12 December 2020 is available on request to <u>RUSINovaScotia@gmail.com</u>.

**Tweeted by** @**RUSI\_NS:** RUSI(NS) tweets may also be viewed by clicking on the icon at <u>https://RUSI-NS.ca</u>. To have something tweeted or retweeted, email the CIO at <u>RUSINovaScotia@gmail.com</u>. Original article title in parentheses.





https://cgai.ca/launching_the_canadian_surface_combatant_pr	
oject	
(Launching the Canadian Surface Combatant Project)	
CDA Institute @CDAInstitute 8 Dec tweeted and RUSI(NS)	
retweeted: "I think we are far away from acknowledging the	
problem. There is a very alarming reluctance in the Canadian	
government to attribute these attacks to nation-states when	
they are coming from them." @kolga on recent Covid-19 cold	NotPetya
chain hacking efforts.	una 50 5 5 5 5053 une usato 5 5 5 5053 une usato 555510 usato 5555
(Covid-19 Vaccine 'Cold Chain' Hacking, Cyber Threats &	
Pandemic-related Disinformation	STATE OF PRESS (WY KEY) STATE
https://cdainstitute.ca/marcus-kolga-covid-19-vaccine-cold-	
chain-hacking-cyber-threats-pandemic-related-disinformation/)	
Naval Association CA @navalassn Dec 8 tweeted: If you	RCN HR – Transitioning to the Future Fleet
missed our December Speaker's Evening you can catch the	
replay at https://youtu.be/8TUbVO-PbHY @RoyalCanNavy	
@RUSI_NS	
RUSI(NS) retweeted: "Royal Canadian Navy Human	
Resources - Transitioning to the Future Fleet." People are our	
most important investment for the future. #RCNavy is	Credre David Patchell - DGNSR Briefing to NAC Date: 7 Dec 20 (ver 1.0)
planning the support for our future navy. Strategic readiness!	In the second se

# Posted on Facebook Royal United Services Institute NS with comments:

Esports teams from nearly every US and UK military branch to compete in first-ever transatlantic 'Call of Duty' tournament

https://taskandpurpose.com/mandatory-fun/military-call-ofduty-tournament/



"CODE Bowl is a premiere gaming event made even more impactful by the work of the (Call of Duty) Endowment to help place veterans into careers following their military service..."

Interesting support to veterans.

Wargaming (as distinct from 'exercising' often which the media often conflates) has long been a practice, for professional training and for fun, in the military. Hmm, could the Canadian Forces put together a Call of Duty team?

Navy Boss Tells Congress That A New Frigate Will Be Named USS Congress. No, Really.

https://www.thedrive.com/the-war-zone/37918/navy-bosstells-congress-that-a-new-frigate-will-be-named-uss-congressno-really



Some navies like the USN announce ship names early in the procurement process. Generally, Canada waits for a publicly appropriate time further along a project timeline before announcing the name of a warship (the announcement is not the same as a naming ceremony). Yes, the Government of Canada did announce early the two Queenston-class oilers of the Joint Support Ship project, but then the next Government changed the names. After all, a name is just a government decision announcement until a naming ceremony happens.

So, it may be a while yet before Canada announces the names of the ships (likely to be typed as frigates) of the Canadian Surface Combatant project. At least the name of the first-oc-class, which would also become the class name. Hopefully, like the USN with USS *Congress* and like other navies, ship names with lots of history and honour will be chosen. That is part of building united and strong ships' companies. After 110 years of Royal Canadian Navy, this country has many good names from which to select.

Flying Periscopes? U.S. Submarines Can Now Launch Recon Drones

https://www.forbes.com/sites/michaelpeck/2020/12/02/flyingperiscopes-us-submarines-can-now-launch-recondrones/?sh=3bbf11dd38eb

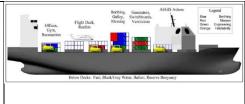


"The Submarine-Launched Unmanned Aerial System (SLUAS) enables a sub to launch a cameraequipped drone that can detect targets too far to be glimpsed through a submarine periscope."

Anti-submarine warfare is now going to have to include some element of counter-drone measures. Hmm, will 'attacking' a submarine have to include readying anti-air sensors and weapons?

Japan's MoD May Build Additional Aegis Destroyers as Aegis Ashore Alternative

https://www.navalnews.com/naval-news/2020/12/japans-modmay-build-additional-aegis-destroyers-as-aegis-ashorealternative/



Hmm, "Aegis system and radar fitted aboard commercial/civilian merchant ships." Increasingly, sensor and weapon systems are being 'packaged' in containers and modules that can be fitted relatively easily aboard various vessels including non-warships. That is changing the nature of operations at sea, especially the capability of navies to mobilize many more vessels to undertake tasks at sea. Not just tactical tasks like submarine detection and local air warning, but operational and strategic levels such as regional air surveillance, ballistic missile defence and regional basing. Naval staffs, the operators, engineers and logisticians, need to study the possibilities. Civil organizations (ship owning companies, even private small vessel owners) need to be educated and brought into the planning.

Chinese trawlers on the prowl in the Indian Ocean: IUU pose the greatest maritime threat

https://www.financialexpress.com/defence/chinese-trawlerson-the-prowl-in-the-indian-ocean-iuu-pose-the-greatestmaritime-threat/2145847/



Illegal, Unregulated and Unreported (IUU) "has been rated as the highest maritime security threat, more serious than piracy and narcotic smuggling ..."

Then there's the bit in the article that technology aboard Chinese fishing vessels is being used to map the sea bottom and objects thereon, very important information for anti-submarine operations. And "These trawlers can deploy hydrophones which can send alerts in near real-time to assist in naval activities." "And, these Chinese trawlers can comfortably carry weaponized underwater vehicles which are portable and trawler launched." [Hmm, new acronym (or translated differently) - Portable Underwater Vehicle (PUV).]

The Chinese research and fishing fleets need to be treated the same as is their Navy. Watched carefully, with responses measures ready.

White House Shipbuilding Plan Would Shrink Ford Carrier Class Over Navy Objections

https://www.defenseone.com/policy/2020/12/white-houseshipbuilding-plan-would-shrink-ford-carrier-class-over-navyobjections/170650/



"Critics say the bulked-up fleet plan would cut dangerously into Army, Air Force budgets ..."

The balance of defence budget funding between a state's navy, army and air force (and other services) should depend on national defence and security policy and concomitant strategies. Not on some proportional, 'fair,' cut. Policy is affected by, amongst other factors, a state's geo-strategic situation. If a state is relatively isolated from where it need/may need to be to affect activities in support of national objectives, then those forces that have geo-strategic mobility and are instrumental in 'getting there' should receive more attention.

Quebec premier doesn't expect Ottawa to increase healthtransfer payments

https://ipolitics.ca/2020/12/09/quebec-premier-doesnt-expectottawa-to-increase-health-transfer-payments/



" "It's a matter of equity," Legault said. "We're pushing the federal government a lot to give the contract to Davie." "

Shipbuilding contracts should be awarded on the basis of best value. Yes, regional benefits are part of that, but simple 'equity' is not.

Canada, Chantier Davie and the Royal Canadian Navy would all greatly benefit of the Government of Canada awarded the shipyard a contract to convert Motor Vessel OBELIX into another Resolve-class replenishment oiler like Davie did with ASTERIX.

Ottawa needs to save money and it can start by fixing procurement

https://canadafreepress.com/article/ottawa-needs-to-savemoney-and-it-can-start-by-fixing-procurement



"Going forward, the government needs to ensure procurement hits the main policy objective: getting the most bang for the taxpayer buck."

Defining 'bang' is a big part of why there is so much disagreement on way-ahead.

U.S. Navy Sets up Separate Manning for Unmanned Aircraft

https://www.maritime-executive.com/editorials/u-s-navy-setsup-separate-manning-for-unmanned-aircraft



Will the Canadian Armed Forces consider making special occupation arrangements for people operating drones? In addition to establishing drone organizations, doctrine and logistics? And there is probably a lot of benefit of doing much of that in conjunction with other government departments.

**Posted on Facebook Royal United Services Institute NS:** RUSI(NS) postings may be viewed by clicking on the icon at <u>https://RUSI-NS.ca</u>. To have something posted or commented, email the CIO by noon Thursday.

https://mailchi.mp/rusi.org/weekly4december?e=a539211a30& fbclid=IwAR3nZ1qDw09ytU1JRXq3vnbVAFpojXDnMcaifY BQ945ZNwMahq_NFMUdCbE	
How China Is Buying Up the West's High-Tech Sector https://foreignpolicy.com/2020/12/03/how-china-is-buying-up- the-wests-high-tech-sector/	SG in London SG in London
Israeli Navy welcomes new generation of German-made warships <u>https://www.defensenews.com/naval/2020/12/03/israeli-navy-</u> welcomes-new-generation-of-german-made-warships/	

https://www.defensenews.com/global/europe/2020/12/03/nato- must-find-a-unified-voice-to-talk-about-not-to-china-advisers- find/	
How Canada's Air Task Force-Romania is adapting & evolving https://www.skiesmag.com/news/canada-air-task-force-	> 40
romania-rcaf/	
The United States Can Negotiate With a China Driven More by Power Than Ideology	
https://foreignpolicy.com/2020/12/04/us-negotiate-china- power-ideology- coexist/?fbclid=IwAR3LZjorz8tIoeVKTqPOOPhU8UaH-	
JMwy8LEtaEeYnIFcp5Lcu1VdGmeeHo	
Taiwan, US count on giant radar system for early warning if PLA attacks	- 20 <sup>-1</sup>
https://www.scmp.com/news/china/military/article/3112692/tai wan-us-count-giant-radar-system-early-warning-if-pla- attacks?fbclid=IwAR0Vctd7Yxa2sWPQOP9SkiMfGORnsGlw xf7n2r0pZNFaNORFMkZ-m6Mqt9k	
Taiwan says faces daily threat as U.S. notifies of new arms	
sale	
https://www.reuters.com/article/taiwan-security/taiwan-says- faces-daily-threat-as-u-s-notifies-of-new-arms-sale- idUSKBN28I097	

LONDON LONDRES

LONDON LONDRES

NATO must find a unified voice to talk about — not to — China, advisers find

Macron kicks off French race to build a new nuclear-powered aircraft carrier	
https://www.defensenews.com/global/europe/2020/12/08/macr	
on-kicks-off-french-race-to-build-a-new-nuclear-powered-	
aircraft-carrier/	
Norway intel: Russians likely behind parliament hacking	
https://apnews.com/article/denmark-europe-military- intelligence-hacking-norway- fd69246508dc8621821afab5d0eace09?utm_source=Sailthru	AP ASSOCIATED PRESS apnews.com
Billions in trouble: How the crown jewel of Canada's	
shipbuilding strategy became a possible financial disaster waiting in the wings	
https://ottawacitizen.com/news/national/defence- watch/billions-in-trouble-how-the-crown-jewel-of-canadas- shipbuilding-strategy-became-a-possible-financial-disaster-	
waiting-in-the-wings	
	CANADA'S NEXT WARSHIP
British F-35 buy is still a moving target, defense ministry tells lawmakers	
https://www.defensenews.com/global/europe/2020/12/09/britis	
<u>h-f-35-buy-is-still-a-moving-target-defense-ministry-tells-</u> lawmakers/	
China's New Stealth Bomber Can't Be as Powerful as It Sounds	
https://www.popularmechanics.com/military/aviation/a349082 83/china-new-h-20-stealth-bomber-powerful/	

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

#Arctic

US-Canadian disengagement was never on the ballot <u>https://www.militarytimes.com/opinion/commentary/2020/12/05/us-canadian-disengagement-was-never-on-the-ballot/</u>

The Arctic Security Challenge: US-Canadian Cooperation is More Important Than Ever <u>https://mwi.usma.edu/the-arctic-security-challenge-us-canadian-cooperation-is-more-important-than-ever</u>

Federal cabinet, provinces engage in tug-of-war over polar icebreaker contract <u>https://www.cbc.ca/news/politics/polar-icebreaker-shipbuilding-seaspan-davie-1.5834290</u>

# #China

China military watch https://www.aspistrategist.org.au/china-military-watch-5/

Chinese nuclear forces, 2020

https://thebulletin.org/premium/2020-12/nuclear-notebook-chinese-nuclear-forces-2020/

Report to Congress on Chinese Naval Modernization https://news.usni.org/2020/12/08/report-to-congress-on-chinese-naval-modernization-6

# #command and control

Motivations, Mechanisms and Metrics in a Command Structure <u>https://wavellroom.com/2020/12/04/motivations-mechanisms-and-metrics-avoiding-gorbachevs-</u> <u>breadlines-in-a-hierarchical-command-structure/</u>

# #COVID-19

COVID-19 Effects and Russian Disinformation Campaigns <a href="https://www.hsaj.org/articles/16533">https://www.hsaj.org/articles/16533</a>

Toward a Science-Based Management Approach to Stealth Threats: A Case Study Using The Novel Coronavirus https://www.hsaj.org/articles/16529

Pandemic Policy and the Logistics of COVID-19 Mass Vaccination https://www.hsaj.org/articles/16514

### #Drones

Drones are proving to have a destabilizing effect, which is why counter-drone systems should be a key part of us military aid to partners

https://mwi.usma.edu/drones-are-proving-to-have-a-destabilizing-effect-which-is-why-counter-dronesystems-should-be-a-key-part-of-us-military-aid-to-partners

Police Drones Are Starting to Think for Themselves https://www.nytimes.com/2020/12/05/technology/police-drones.html

# **#history & heritage**

History and Heritage in the Operational Force https://www.armyupress.army.mil/Journals/Military-Review/English-Edition-Archives/November-December-2020/Bowery-History-Heritage/

### **#information operations**

The Ancient Greeks' Guide to Rejecting Propaganda and Disinformation https://www.zocalopublicsquare.org/2020/06/07/fake-news-disinformation-propoganda-truth-rhetorictwitter-president-trump-ancient-greek-philosophers-socrates-plato-truth/ideas/essay/

# #intelligence

'Who Let the Dogs Out': The Czech Intelligence Service Annual Report and the Challenges of Discussing Threats in a Postfactual Age https://rusi.org/commentary/czech-intelligence-service-annual-report

### **#NATO**

Time to get Serious about Deterrence https://defence.frontline.online/article/2020/2/15424-Time-to-get-Serious-about-Deterrence

### **#planning**

A Navy Planner Speaks—Captain David Fields on the Challenges and Future of U.S. Navy Planning Odd to think of a "Naval Operational Planner Specialty Career Path (NOP SCP)": https://www.usni.org/magazines/proceedings/2020/december/navy-planner-speaks-captaindavid-fields-challenges-and-future

#### #reading

**Emerging Threats and Opportunities** https://researchcentre.army.gov.au/library/land-power-forum/emerging-threats-and-opportunities-30

(UK) Army Book of the Year 2020 https://www.army.mod.uk/news-and-events/news/2020/12/british-army-book-2020/

#### #search and rescue #SAR

Second generation UK search and rescue aviation programme (UKSAR2G) https://www.gov.uk/government/publications/second-generation-uk-search-and-rescue-aviationprogramme-uksar2g

#### #strategy

Who was Sun Tzu's Napoleon? https://thestrategybridge.org/the-bridge/2020/2/11/who-was-sun-tzus-napoleon

### #technology

Teaching Technology, Innovation, and Modern War at Stanford Part 1: Adaptation and Acquisition https://mwi.usma.edu/teaching-technology-innovation-and-modern-war-at-stanford-part-1-adaptationand-acquisition/ Part 2: Strategy in an Era of Great Power Competition https://mwi.usma.edu/teaching-technology-innovation-and-modern-war-at-stanford-part-2-strategy-in-anera-of-great-power-competition/

Part 3: Hardware, Software, and the Battlefield of Tomorrow

https://mwi.usma.edu/teaching-technology-innovation-and-modern-war-at-stanford-part-3-hardwaresoftware-and-the-battlefield-of-tomorrow/ Part 4: How the Department of Defense is Harnessing Artificial Intelligence https://mwi.usma.edu/teaching-technology-innovation-and-modern-war-at-stanford-part-4-how-thedepartment-of-defense-is-harnessing-artificial-intelligence/ Part 5: Autonomy and Defense in the Twenty-First Century https://mwi.usma.edu/teaching-technology-innovation-and-modern-war-at-stanford-part-5-autonomy-anddefense-in-the-twenty-first-century/ Part 6: Cyber and Space https://mwi.usma.edu/teaching-technology-innovation-and-modern-war-at-stanford-part-6-cyber-andspace/ Part 7: Reimagining Naval Power

https://mwi.usma.edu/teaching-technology-innovation-and-modern-war-at-stanford-part-7-reimaginingnaval-power/

# Other:

# **Fideliter: The Regimental History of the Princess Louise Fusiliers**

by Leo J. Deveau

*Ed: PLF has a good representation in the RUSI(NS) membership.* 

The combined efforts of many current and former members and friends of the Fusiliers have resulted in the publication of our regimental history. While publication was intended to coincide with the Regiment's 150th anniversary celebrations, it has been a long time coming and has been very well received. Written by noted Halifax author Leo J. Deveau, the book covers the history of our fine Regiment as it predates and parallels Canada's own narrative, the countless acts in our country's name, as well as many individual and group efforts, honour, triumphs and sacrifices.

