

# Royal United Services Institute of Nova Scotia Dispatches

# 19 October 2018

*Dispatches* is a weekly collection of links and news of current interest, included those tweeted and posted by the Institute on social media. Everyone is encouraged to submit links and other content to the Institute's Chief Information Officer (CIO) at <u>RUSINovaScotia@gmail.com</u> to be included in *Dispatches*. Comments to articles can be from members or non-members of RUSI(NS). If you do not want to receive *Dispatches*, or wish to receive it at some different frequency, please inform the CIO. Feedback is welcome anytime.

RUSI(NS) also publishes a weekly Defence & Security Newsletter, aimed at opinion leaders and industry. If you are interested in receiving the newsletter, email <u>admin@duncom.ca</u>.

**Events:** To list an event into *Dispatches*, email the CIO by noon Thursday.

25 October, Thursday – Society of Atlantic Heroes "Gala for Heroes" Songwriters' Circle. 6-10 pm. Casino Nova Scotia. Dress: semi-formal (men: business suits, jacket & tie, medals optional; women: cocktail dress/slacks, medals optional; active duty persons - military, RCMP and all first responders: uniform with medals encouraged). Light appetizers and liquid refreshment will be served. To purchase a ticket, call 1-833-213-4376. Or purchase a table (10 people) online at: <u>https://ev9.evenue.net/cgibin/ncommerce3/SEGetEventInfo?ticketCode=PR:HALIFAX:C19:9AH25:9AH25P&linkID=halifax&sh opperContext=&caller=PR&appCode=&prc=9AH25P&pc=9AH25P RUSI(NS) has already arranged a table of five couples. If you want to start a second table, contact Ken Hoffer.</u>

7 November, Wednesday – RUSI(NS) Remembrance Dinner. 1830 for 1900. Royal Artillery Park Officers' Mess. If you plan to attend, please RSVP soon.

9 November, Friday – discussion table on attraction, recruitment and retention. 1000-1200. Royal Artillery Park Officers' Mess. Though the table expert will be a 36 CBG HQ staff officer, it is intended that this table encompass RCN and RCAF concerns and ideas. Call for names to follow.

21 November, Wednesday – RUSI(NS) Distinguished Speaker John MacFarlane, Directorate of History and Heritage, on "Growing Together: the Cultural Contribution of Indigenous People in the Canadian Military since the First World War." 1130-1330. Royal Artillery Park Officers' Mess.

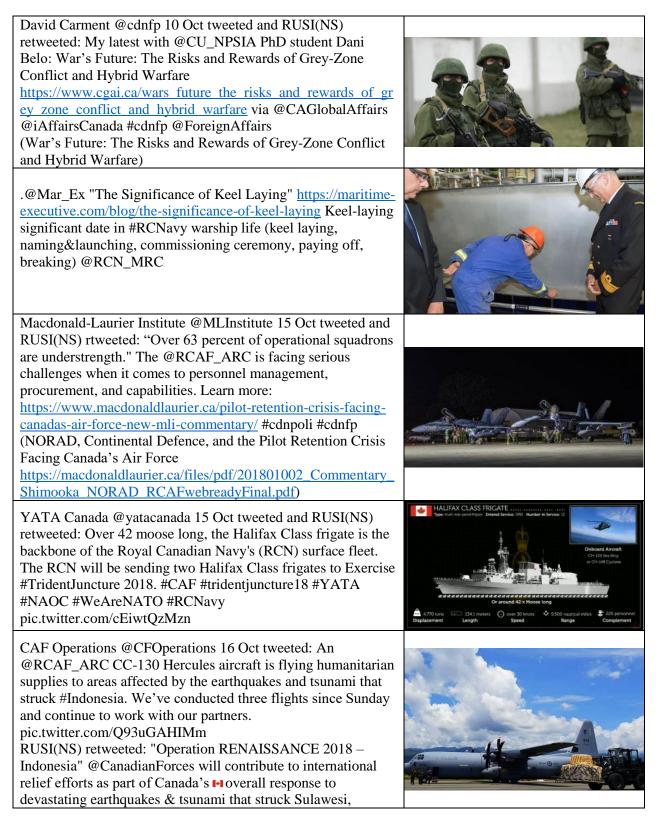
5 December, Wednesday - seasonal meet & greet. Noon-1400. Royal Artillery Park Officers' Mess.

## **Publications:**

The RUSI Vancouver & Vancouver Artillery Association Members News Oct 9, 2018 is available on request to <u>RUSINovaScotia@gmail.com</u>.

RUSI(NS) Information Note "Warship Naming Ceremonies" 27 September 2018 <u>https://rusi-ns.ca/warship-naming-ceremonies/</u>

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



Indonesia on 29 September 2018 #OpRENAISSANCE http://www.forces.gc.ca/en/operations-abroad/op-renaissanceindonesia.page (Operation RENAISSANCE 2018 – Indonesia)

Selection of winning design of CAN Surface Combatant (prob will be typed frigate) for #RCNavy by end-2018 still means much time before cutting steel for 1st ship ("CSC1") <u>https://www.thestar.com/news/canada/2018/10/16/feds-plan-to-name-winning-design-for-60-billion-fleet-of-warships-by-end-of-october.html</u> Shipbuilding gap for @IrvingShipbuild? Need fill w some new ship order (Feds plan to name winning design for \$60-billion fleet of

warships by end of October)

"Drones swamp US-Mexico border but federal agents powerless to stop them" <u>https://www.washingtonexaminer.com/news/drones-swamp-us-</u> <u>mexico-border-but-federal-agents-powerless-to-stop-them</u> Is @CanBorder facing a similar issue on CAN III borders? What tech, what assistance from other departments, for #CBSA to be prepared to counter #drones at our border?





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

'Who are they protecting?': Vice-Admiral Norman's trial erupts in Commons

https://www.cbc.ca/news/politics/admiral-norman-breach-trustbrison-1.4863886



It has become increasingly evident, that there is more to the Norman Trial than meets the eye. This past week there have been revelations that a senior civil servant was involved in passing documents plus possible interference by the Treasury Board President, Scott Brison. This is coupled with the alleged non-disclosure of key documents to Norman's defence team.

I suppose given the Canadian Government's (of all parties) history of interference in defence procurement and issues, it should be no surprise. Hopefully, the courts will get to the bottom of the issue and that actual justice will be the outcome.

Another issue is the role of the Chief of Defence Staff and what he knew and when and whether his decisions were influenced by his political masters, vice justice? It is clear this has more depth than originally reported.

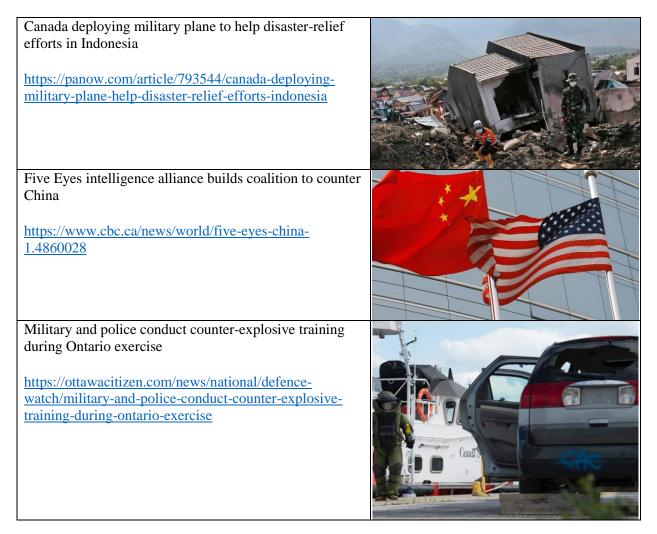
Huawei accused of scheme to steal semiconductor technology from US start-up to help China achieve tech dominance

https://www.scmp.com/business/article/2169224/us-startaccuses-chinas-huawei-trying-steal-semiconductor-technology

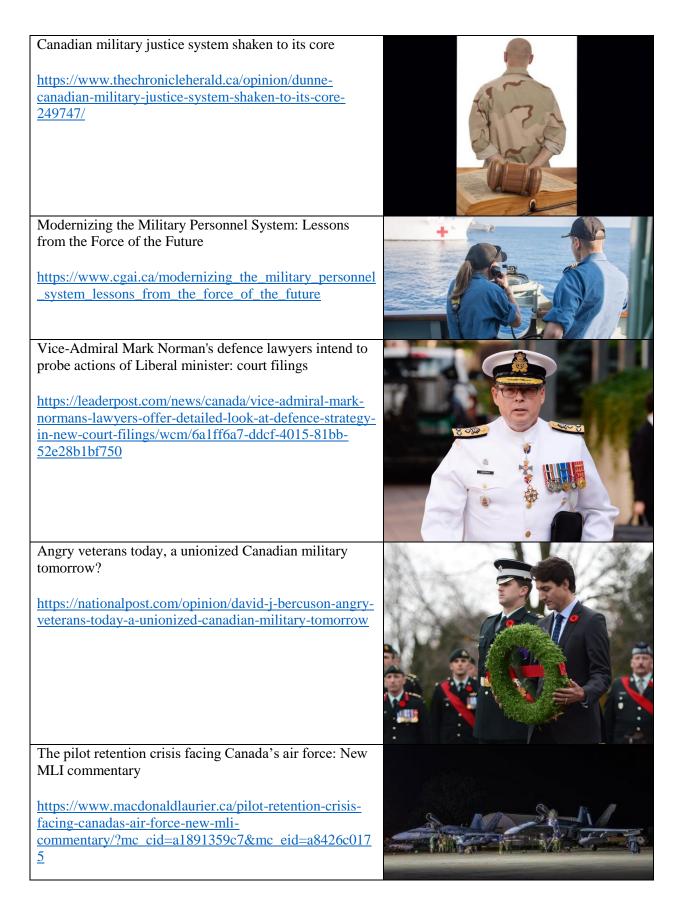


Given that Canada continues to ignore the very real hazard of Huawei's continuing denial of being an instrument of the Chinese Communist Government and not carrying out espionage and intellectual property theft, this article from a Chinese source makes interesting reading. Three of the five eyes intelligence community have already started to take action against Chinese tech industries, citing the issue of security concerns including recently found chips that could provide a systems weakness. Canada's lack of action on this issue puts our own and potentially our allies' systems at risk. Canada should remove the rose coloured glasses and get very serious about security of our systems.

**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.



All US F-35s grounded worldwide	
https://www.militarytimes.com/news/your- military/2018/10/11/dod-announces-global-grounding-of- all-f- 25-20/2000 Societies Societies and Soci	
35s/?utm_source=Sailthru&utm_medium=email&utm_ca mpaign=ebb%2012.10.18&utm_term=Editorial%20- %20Early%20Bird%20Brief	
Russia conducts huge exercise with its nuclear forces	
https://www.militarytimes.com/news/your- military/2018/10/11/russia-conducts-huge-exercise-with- its-nuclear- forces/?utm_source=Sailthru&utm_medium=email&utm _campaign=ebb%2012.10.18&utm_term=Editorial%20-	
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UK Defence Secretary Announced a New Defence Arctic Strategy	
https://www.navyrecognition.com/index.php/news/defen ce-news/2018/october-2018-navy-naval-defense- news/6541-uk-defence-secretary-announced-a-new- defence-arctic-strategy.html	
Canadian Soldiers UK Bound To Assume Duties As The Queen's Guard	
http://cmfmag.ca/events/canadian-soldiers-uk-bound-to- assume-duties-as-the-queens-guard/	
Countering Russian Cyber Operations	E Star Star Star
https://rusi.org/commentary/countering-russian-cyber- operations?utm_source=RUSI+Newsletter&utm_campai gn=41680a1fd7- EMAIL_CAMPAIGN_2018_10_12_03_00&utm_mediu m=email&utm_term=0_0c9bbb5ef0-41680a1fd7-	
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PHOTOS and VIDEOS: Russia's Challenge to North American and European Security   https://www.macdonaldlaurier.ca/photos-videos-russias- challenge-north-american-european- security/?mc_cid=a1891359c7&mc_eid=a8426c0175   Canadian Rangers in Quebec receive new C-19 rifle	
https://ottawacitizen.com/news/national/defence- watch/canadian-rangers-in-quebec-receive-new-c-19-rifle	
Union launches 'Ships Stay Here' campaign to keep shipbuilding work in Halifax https://panow.com/article/794265/union-launches-ships- stay-here-campaign-keep-shipbuilding-work-halifax	
Committee of parliamentarians to review Canadian Forces intelligence activities <u>https://ottawacitizen.com/news/national/defence-watch/committee-of-parliamentarians-to-review-canadian-forces-intelligence-activities</u>	
RCMP probe of cabinet leaks did not stop with Mark Norman https://www.cbc.ca/news/SOMNIA-1.4862697	

Jihadi Jack wants to live in Canada. Here's what officials are doing for ISIS fighters in Syria https://globalnews.ca/news/4542842/canadian-officials- contact-isis-fighters-allegations/	
Mattis pushes closer ties to Vietnam amid tension with China https://www.militarytimes.com/news/your- military/2018/10/14/mattis-pushes-closer-ties-to- vietnam-amid-tension-with- china/?utm_source=Sailthru&utm_medium=email&utm_ campaign=ebb%2015.10.18&utm_term=Editorial%20- %20Early%20Bird%20Brief	
United States or China as world leader? Asians overwhelmingly prefer the US, Pew study finds <u>https://www.scmp.com/news/china/diplomacy/article/216</u> <u>8399/united-states-or-china-world-leader-asians- overwhelmingly?utm_source=Sailthru&amp;utm_medium=e mail&amp;utm_campaign=ebb%2015.10.18&amp;utm_term=Edit orial%20-%20Early%20Bird%20Brief</u>	
Heeding China's call, Hong Kong tightens grip on dissent https://www.reuters.com/article/us-hongkong-politics- analysis/heeding-chinas-call-hong-kong-tightens-grip-on- dissent- idUSKCN1MN09A?utm_source=Sailthru&utm_medium =email&utm_campaign=ebb%2015.10.18&utm_term=E ditorial%20-%20Early%20Bird%20Brief	
Ukrainian Armed-Drone Makers Sprint Ahead as Russian Effort Hits Snag https://www.defenseone.com/technology/2018/10/ukraini an-armed-drone-makers-sprint-ahead-russian-effort-hits- snag/151983/?oref=defenseone_today_nl	

Can the Chinese Be Trusted to Lead International Institutions?	
International Institutions?	
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Canadian Mission in Mali	
https://defence.frontline.online/article/2018/5/10551-	* 3
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Global Military Justice Reform	
Tim Dunne on Beaudry	
https://globalmjreform.blogspot.com/2018/10/tim-dunne-	
beaudry.html?fbclid=IwAR1Ff2dy75jKHGr9RCndMxlE	
<u>S1ruvOBVEGkALhPYGqvaVhVWjtCB9tkOpog</u>	
Senior bureaucrats accused of trying to scuttle deal for	
supply ship at heart of Mark Norman case	
https://ottawacitizen.com/news/senior-bureaucrats-	
accused-of-trying-to-scuttle-deal-for-supply-ship-at-	
heart-of-mark-norman-case/wcm/0edff48c-0758-401e-	
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Irving Shipbuilding pushing for two more	
Arctic/Offshore Patrol Ships, all Halifax-class work https://ottawacitizen.com/news/national/defence- watch/irving-shipbuilding-pushing-for-two-more-arctic- offshore-patrol-ships-all-halifax-class-work	
Beijing defends warship confrontation in the South China Sea	
https://www.navytimes.com/news/your- navy/2018/10/15/beijing-defends-warship-confrontation- in-the-south-china- sea/?utm_source=Sailthru&utm_medium=email&utm_ca mpaign=ebb%2010/16/18&utm_term=Editorial%20- %20Early%20Bird%20Brief	
EU paves way for Russia sanctions over chemical weapons <u>https://www.dw.com/en/eu-paves-way-for-russia-</u> <u>sanctions-over-chemical-weapons/a-</u> <u>45899383?utm_source=Sailthru&amp;utm_medium=email&amp;u</u> <u>tm_campaign=ebb%2010/16/18&amp;utm_term=Editorial%2</u> <u>0-%20Early%20Bird%20Brief</u>	
Here's a 6-Country Defense-Development Effort That Just Might Work <u>https://www.defenseone.com/ideas/2018/10/heres-6-</u> <u>country-defense-cooperation-effort-just-might-</u> <u>work/152016/?oref=defenseone_today_nl</u>	
Weaving the Tangled Web <u>https://www.armyupress.army.mil/Journals/Military-</u> <u>Review/English-Edition-Archives/September-October-</u> <u>2018/Tangled-Web/</u>	

Top general's communications with Trudeau, media to come under spotlight as Mark Norman case proceeds

https://ottawacitizen.com/news/canada/top-generalscommunications-with-trudeau-media-to-come-underspotlight-as-mark-norman-caseproceeds/wcm/455d5020-6c59-4c41-ab50-c92b69fa3b2b

China's Moon Missions Could Threaten US Satellites: Pentagon

https://www.defenseone.com/technology/2018/10/chinasmoon-missions-could-threaten-us-satellitespentagon/152084/?oref=defenseone\_today\_nl

Why today's troops fear a new war is coming soon

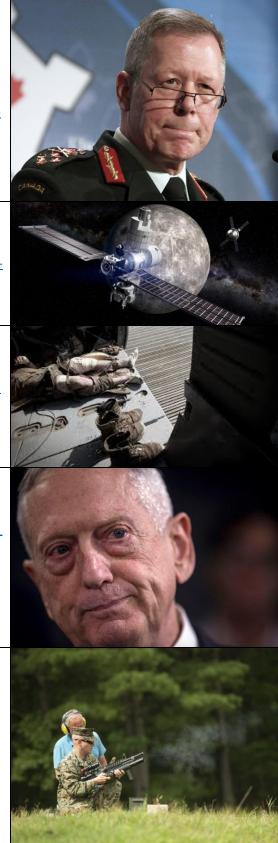
https://www.militarytimes.com/news/pentagoncongress/2018/10/16/why-todays-troops-fear-a-new-waris-comingsoon/?utm\_source=Sailthru&utm\_medium=email&utm\_ campaign=EBB%2010.17.18&utm\_term=Editorial%20-%20Early%20Bird%20Brief

Who Will Replace Mattis?

https://foreignpolicy.com/2018/10/15/who-will-replacemattis/?utm\_source=PostUp&utm\_medium=email&utm\_ campaign=7324&utm\_term=Flashpoints%200C

Ottawa defence firm rolls out new system to improve accuracy of military weapons

https://ottawacitizen.com/news/national/defencewatch/ottawa-defence-firm-rolls-out-new-system-toimprove-accuracy-of-military-weapons



How To Get Nuclear-Weapons Treaties Back on Track	
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https://www.defenseone.com/ideas/2018/10/how-get-	
nuclear-weapons-treaties-back-	
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Pentagon looks to thwart Russian tech attacks in Syria	•
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Russia's Top Judge Spurs New Talk Of Changing	
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Russia's spies red-faced after multiple plots uncovered	Characteristical
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#### **Other Sources:**

#### #drones

How autonomous delivery drones could revolutionise military logistics <a href="https://www.army-technology.com/features/autonomous-delivery-drones-military-logistics/">https://www.army-technology.com/features/autonomous-delivery-drones-military-logistics/</a>

#### #information operations

Rethinking Camouflage... https://medium.com/@richard\_iain\_cole/rethinking-camouflage-74efadf14ff7

Enabling further research of information operations on Twitter https://blog.twitter.com/official/en\_us/topics/company/2018/enabling-further-research-of-informationoperations-on-twitter.html

On the Conduct of Army Information Operations https://fas.org/blogs/secrecy/2018/10/army-info-ops/

#### #navies

Should nuclear-powered submarines be part of Australia's future? <u>https://www.aspistrategist.org.au/should-nuclear-powered-submarines-be-part-of-australias-future/</u> For those who recall the RCN's consideration of SSN some decades ago.

### Other:

Trident article on RUSI(NS) **Distinguished Speaker** 19 September, Commander Nathan Decicco, Commanding Officer HMCS *Charlottetown*, speaking on the ship's recent deployment North on Operation NANOOK.

Challenge of Arctic operations highlighted on Op NANOOK https://tridentnewspaper.com/wp-content/uploads/2018/10/2018-10-01-20.pdf (see page 7)

From CDA Institute, Howard Coombs: This US Congressional Research Service Study on **Information Warfare** (<u>https://fas.org/sgp/crs/natsec/R45142.pdf</u>) is dated March 2018 and is only 19 pages. In conjunction with the last CDA Institute Aerogram: Military Review (September-October 2018) "Weaving the Tangled Web Military Deception in Large-Scale Combat Operations" it provides a more fulsome profile of the Information dimension of warfare. I think most readers will find it interesting. Extract from the summary:

"This report offers Congress a conceptual framework for understanding IW as a strategy, discusses past and present IW-related organizations within the U.S. government, and uses several case studies as examples of IW strategy in practice. Countries discussed include Russia, China, North Korea, and Iran. The Islamic State is also discussed"

### First World War Archive Films "Revitalized"

The Imperial War Museum (UK) has been working with movie director Peter Jackson (of Lord of the Rings fame) to "revitalize" an original First World War video. The result is "They Shall Not Grow Old," a 90-minute film "cleaned" and colourized by computers and the team that makes Marvel's 3D movies, voiced by actors after scenes were watched by professional "lip readers," and overlaid with narration taken from oral recordings of veteran interviews conducted in 1964.

Video clip: <u>https://youtu.be/4rLV7FkGW-U</u>

The film had its initial screening at the London Film Festival 16 Oct as part of the UK's 100th anniversary of that conflict's end. Copies are being distributed to all UK schools. International releases have not yet been announced.

When interviewed, Peter Jackson said "I wanted to reach through the fog of time and pull these men into the modern world, so they can regain their humanity once more – rather than be seen only as Charlie Chaplin-type figures in the vintage archive film. By using our computing power to erase the technical limitations of 100 year cinema, we can see and hear the Great War as they experienced it."

#### Moose

Noting a tweet about the Halifax-class frigates being "42 moose" long (see the YATA Canada tweet above in this *Dispatches*), a query was sent to appropriate (competent?) authorities with the questions: How long is an AOPV in mooses? What would be the abbreviation for that measure? In a dazzling display of PAO speed-of-response and comprehensiveness, the following was quickly received:

"This is a dangerous question to ask a PA guy with a science degree, because it's the only time I get to apply my education.

In the first place, the math is somewhat questionable. A full-grown bull can surpass 3 metres nose to tail, which would put HDW at a comfortable 35-moose length, and even the average length for cows (2.5 metres), HDW comes at 41.52 moose. In the interests of establishing a cross-gender species length, let's call it 2.8 metres, which comes out to around 37 moose.

With respect to unit abbreviation, this would be a tricky one to answer. Existing base SI units for length and time (m and s, respectively) make a straightforward transliteration difficult, as something like ms would be ineligible due to confusion over alternate meanings (millisecond). Another option would be moo, but people would immediately assume it meant cows.

The best option would probably be to treat it as a derived SI unit named after an individual, which would require a capital letter in the first instance (similar to Pa, named after Blaise Pascal). In this case, I would suggest the honour should go to Älgen Stotla, a Swedish moose that competed, and won, against horses in a trot race in 1907. As one of the only known domesticated moose – and certainly the only championship moose – in history, the resulting unit would be the Äl.

This also supports my personal mission to work more umlauts into the vernacular, so, you know, winwin."

With a sense of what's appropriate, the following was received: "I am going to use my Chief's degree and suggest we need to measure an AOPV with the mystical "arctic moose" as baseline. So my deduction is 34 moose long as they are much bigger in size (ref below)

Ref: <u>https://www.livescience.com/24916-animal-size-versus-</u> <u>climate.html</u> For many types of animals, it pays to be bigger in the colder climates that exist at high latitudes and altitudes.



Heftier animals have a smaller surface area-to-volume ratio, which helps reduce heat loss - a pattern

known as Bergmann's Rule. (In general, a more massive organism has a smaller surface area-to-volume.) Nov 20, 2012 "

And apparently there is ongoing consideration by Ottawa of creating an infographic showing how many polar bears one of the vessels could carry...

