

Royal United Services Institute of Nova Scotia Dispatches

25 January 2019

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 RUSINovaScotia@gmail.com 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.

Any comment in *Dispatches* is the sole opinion of the author and does not necessarily represent the views of the Canadian Department of National Defence, the Canadian Armed Forces, the Royal Canadian Mounted Police or the Royal United Services Institute of Nova Scotia

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

Membership Renewal. It is time to renew. A notification email has been distributed, please return your renewal promptly.

Survey. The beginning of the year is also time for the annual RUSI(NS) survey. Survey Monkey will be used again to manage the survey. You will receive a survey request in the weeks ahead. The survey will be short. Your feedback is important – please take the time to complete the survey.

Events: To list an event in *Dispatches*, email the CIO by noon Thursday. RUSI(NS) events are by invitation only. If you are interested in attending and have not been invited, email RUSINovaScotia@gmail.com.

28 January, Monday - Canadian Military Intelligence Association (Halifax Chapter) lecture on Chinese foreign and maritime policy, by Hugh Williamson (CD, M.B.A., LL.B, B.Ed). 1930 hrs. HMCS Scotian, 2111 Upper Water St, Halifax, NS, B3J 3Y5, next to Casino Nova Scotia. Parking available. Please advise Ian MacVicar (ic.macv@hotmail.com) by email if you wish to attend, with the names of any associates/friends who also wish to attend, so numbers can be passed to the CMIA Executive Committee for assessing seating, etc.

8 February, Friday - Centre for the Study of Security and Development 2019 Glyn Berry Lecture by Dr Paul Evans, Professor UBC, titled "Living with China in an era of Great Power Rivalry: Canadian Options." Noon to 1:30 pm. Room 1109, Rowe Management Building, Dalhousie University. See poster at end of *Dispatches*.

20 February, Wednesday - Distinguished Speaker JM Blais, Chief of Halifax Regional Police, on his careers in the RCMP and HRP as he approaches retirement. 1130-1330. Royal Artillery Park Officers' Mess.

20 March, Wednesday - Distinguished Speaker Chief Petty Officer First Class Craig MacFadgen, on the challenges of introducing new capabilities into the RCN. 1130-1330. Royal Artillery Park Officers' Mess.

20 March, Wednesday - Annual General Meeting. Following Distinguished Speaker. Royal Artillery Park Officers' Mess.

Publication:

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

Canadian Global Affairs Institute @CAGlobalAffairs 17 Jab tweeted: -JUST RELEASED: In his newest Policy Paper, CGAI Fellow @jeffreyfcollins discusses the successes and challenges facing Canadian & Australian shipbuilding programs: https://www.cgai.ca/overcoming boom and bust analyzing n ational shipbuilding plans in canada and australia #cdndef #procurement #cdnpoli pic.twitter.com/100P7qYkQL RUSI(NS) retweeted: .@NationalDefence @CanadianForces @RCN_MRC #CAF #RCNavy #StrongSecureEngaged #defencePolicy

(Overcoming 'Boom and Bust'? Analyzing National Shipbuilding Plans in Canada and Australia)

Seaspan Shipyards @MoreThanShips 18 Jan tweeted: Ever wonder why @CoastGuardCAN ships are red & white? The #CCG is a nationally recognized symbol of service and safety. The iconic red & white ships represent the government's presence along 243,000 kilometers of coastline, the longest of any country in the world. #ProudShipyard pic.twitter.com/9vvqf1gcSM

RUSI(NS) retweeted: And red maple leaf carried on funnels of #CCG vessels (also @RCN_MRC & @RCMPGRCpolice) indicate ship is CAN government. Originated #2WW #WW2 to distinguish #RCNavy warships from allied vessels (green maple leaf, not so stylized, sometimes multiple leafs)

David Pugliese @davidpugliese 18 Jan tweeted: My latest update on Navy operations....RCN ships to head to Africa next week https://ottawacitizen.com/news/national/defence-watch/rcn-ships-to-head-to-africa-next-week/

RUSI(NS) retweeted: Looking forward to deployment someday off Africa by #RCNavy #Arctic & Offshore Patrol Vessels #AOPV. Capable globally employable ships #OPPROJECTION http://www.forces.gc.ca/ep/operations-

#OpPROJECTION http://www.forces.gc.ca/en/operations-abroad-current/op-projection.page #navalDiplomacy @RCN MRC







.@Trident_News "Enhanced medical & dental capabilities return to the Fleet" https://tridentnewspaper.com/nru-asterix-medical-capabilities/ Replenishment oilers like #MVAsterix are much more than supply ships, also provide many services incl medical&dental to ships in company. Allow for long endurance ops by #RCNavy



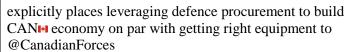
IAMSPonline @IAMSPonline 21 Jan tweeted: #Japan to share defense supplies with #France and #Canada - https://buff.ly/2sFTpQc pic.twitter.com/IYAVaAOYPg RUSI(NS) retweeted: Arrangements to integrate defence logistics good/strategic move between allies&partners https://asia.nikkei.com/Politics/International-Relations/Japan-to-share-defense-supplies-with-France-and-Canada" "...used in #UnitedNations peacekeeping ops, joint military drills & major natural disasters"



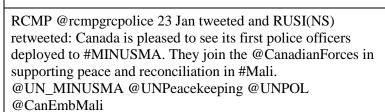
.@CanadianForces flies 5-helo casualty evacuation&resupply mission, busiest day for #OpPRESENCE-Mali https://www.cbc.ca/news/politics/canadians-mali-action-attack-1.4988318 Flight/casevac count not a measure of op success but good to read Task Force Mali #MLI can surge, helping #UN OpMINUSMA

(Canadians pressed into service after deadly attack on UN base in Mali)





(Airbus open to a fighter plane assembly plant in Quebec ahead of federal bids)





Lee Berthiaume @leeberthiaume 23 Jab tweeted: Canada to keep paying for F-35 development as fighter-jet competition ramps up Lee Berthiaume @leeberthiaume 23 Jab tweeted: Canada to keep paying for F-35 development as fighter-jet competition ramps up

https://www.nationalnewswatch.com/2019/01/23/canada-to-keep-paying-for-f-35-development-during-fighter-jet-competition/#.XEkQYvZFyUk #cdnpoli #polcan #cdnmil

RUSI(NS) retweeted: #RCAF #FutureFighter #DefenceProcurement#cdnpoli #polcan #cdnmil RUSI(NS) retweeted: #RCAF #FutureFighter

#DefenceProcurement



Posted on Facebook Royal United Services Institute NS with comments:

Chinese envoy warns of blowback if Canada bars Huawei from 5G

https://www.bnnbloomberg.ca/chinese-envoy-warns-of-blowback-if-canada-bars-huawei-from-5g-1.1200203



This article should be considered on top of a Canadian Press article in the Halifax Chronicle Herald this morning (18 January 2019) which states that Huawei is going to invest in more R&D in Canada. Mind you, infiltration of intellectual property is one of those issues that have placed Huawei in this precarious position in the first place. Huawei is merely a pawn for China - we should really consider that when judging their ability to resist the Communist Chinese Party. The R&D investment is the carrot; now the stick.

Lu Shaye has got to be one of the worst ambassadors in the world and provided the stick. He is clearly incompetent at many levels - the news conference could have been seen as comical if it were not for the fact that a Canadian life is at stake and two more are being tortured night and day while the Chinese citizen is allowed to shop and stay at her multi-million dollar house.

China is also warning Canada to stop garnering the support of allies and friends and countries that are more than concerned that China would conduct itself in such a way. China has always used bilateral negotiations to bully individual countries into their desired goals. Canada should ignore this threat and continue to garner support and embarrass China for its actions against Canadians. In all probability, the Canadians that are most prominently in the news are likely going to be cruelly treated with little that Canada could do to alleviate their conditions. The real damage is being done to China's reputation. The world outside China sees quite clearly China's inability to conduct itself in a civilized manner and can and will take action against anyone's citizens if the country takes action against Chinese wishes.

Canada now has a choice to make: whether to continue significant relations with a hostile power bent on domination of lesser nations or to stand with our allies. China is not a friend, its rise is not peaceful, it is conducting quite clearly the "Three Wars Concept" against Canada (fortunately they are incompetent) and they will cause a great deal of grief for Canada if we allow China a share in any enterprise. Canada must "bite the bullet" and remove China's ability to cause significant damage. Let us cut our losses now and as a minimum hold the ability of China to invest or own any Canadian property, and most certainly

remove any possibility that China can even remotely have any content within critical infrastructure such as communications networks.

China Military Power - Modernizing a Force to Fight to Win

http://www.dia.mil/Portals/27/Documents/News/Military%20 Power%20Publications/China_Military_Power_FINAL_5MB 20190103.pdf



With China, mind you, like Russia in some respects, one has to remember that modernization takes time. Having new kit does not mean a change in attitudes. It also means that the more technologically advanced the more time it takes to train the new folk. It also means longer lead times for production. If one looks at the Chinese inventory, it still contains a vast number of ancient systems and although many systems are announced to be replaced, actually getting it is still a problem. Most have not been tested in combat.

The Chinese military is in transition and some of this transition itself has been problematic, such as the laying off hundreds of thousands of troops. This has led to riots and demonstrations against the government by...troops. China's layoffs of troops have been poorly done and have caused significant problems that are still ongoing. The other point is that Chinese troops have very little actual combat experience, so their abilities are theoretical at best. Another aspect is political interference; they still have political commissars which we have heard from former Russian officers are more of a burden than any assistance.

China has a long way to go. It may have kit and their ability to select personnel is good but they have many burdens beyond what most countries have to deal with for normal operations of their forces. One should be wary and aware of the growth of the Chinese military and certainly of their information gathering which is greatly increased, but they have serious challenges which they have not dealt with. Like the Russians, despite numbers, kit, etc., they are not ten feet tall.

Canadian telco Telus backs China's Huawei as 'viable and reliable'

 $\underline{https://beta.scmp.com/tech/article/2182924/canadian-telcotelus-backs-chinas-huawei-viable-and-reliable}$



"Canadian Telco Telus Backs China's Huawei as 'Viable and Reliable'" is a South China Morning Post article alleging that Mr Eros Spadotto, Executive Vice President of Technology Strategy of Telus, is quoted in a memo as saying, "Clearly, Huawei remains a viable and reliable participant in the Canadian telecommunications space, bolstered by globally leading innovation, comprehensive security measures, and new software upgrades." The Telus memo further stated that, "It hailed the positive, transparent and innovative-centric partnership we have enjoyed with Huawei." Mr Spadotto is not responsible for the security of our country - the Government of Canada is.

Many partnerships with Western countries were set up in a period of increasing Chinese openness. This

initiative is now gone under President Xi Xinping, who has moved China back in time as far as human rights, enterprise and openness. He now lords over a country that has returned to mass re-education camps, conducts cultural genocide operations, arrests human rights lawyers and human rights advocates and makes a mockery out of the two-systems one-country agreement with Britain. The Communist Chinese Party (CCP) adopted the "Three Wars Concept" (lawfare, economic warfare, and information warfare) in 2003. It relies on what are normally referred to "useful idiots" to push their message. While Mr Spadotto may believe what he is written and he may believe there are great savings to be had through working with Huawei, circumstances have changed. But he has not changed his thinking or is considering the security of our country. One suspects he is talking about purely business terms and not security.

Since the arrest of Meng Wanzhou, China has used various methods to apply pressure to Canada. China has apparently identified Canada as a country that can be bullied into submission. How else could one otherwise explain the almost comical news media briefing with the Chinese Ambassador to Canada, Lu Shaye. It would be comical if Canadian lives were not at stake or Canadians were not being tortured, unlike Ms Meng, who is out on bail and living in a multi-million-dollar house after being arrested on behalf of the US because of sanctions violations. It should be also noted that Ms Meng also had seven passports. Canadians are either sentenced to death or are undergoing torture, without being charged, by Chinese intelligence staff. China has also questioned Mr Kovrig on work he did as a diplomat. China will use any method legal or otherwise to achieve its aims. One aim is likely to break into the Five Eyes community. What better way than to have a "weak sister" adopt Chinese equipment as their infrastructure.

No one is arguing that Huawei is a viable and reliable partner under normal circumstances. Current circumstances do not lend themselves to treating Huawei with anything but suspicion, especially with the Huawei ultimately beholding to the CCP. Mr Ren, the CEO and founder of Huawei, emphasized last week that he would say no to Chinese intelligence if he was asked to interfere or do something to a client's networks. He then went on to say he was a CCP member, which if one reads anything in the regular Chinese Press means, yes you can say no, immediately before your arrest on "national security" grounds. The point is, Mr Ren has no choice.

Britain is creating a technology lab with Huawei as a partner. However the key purchaser for 5G is already eliminating Huawei equipment and is not likely to purchase any in the future because of security concerns. Britain's telco has eliminated the problem voluntarily. Canada does not have sufficient capability now let alone to take on the extra work load caused by the creation of such a similar lab. Keep in mind the utility of the lab in Britain is reduced nearly to nil now that British Telecom is taking out Huawei equipment. Canada is therefore alone amongst the Five Eyes community and is a target of Chinese bullying tactics, supported by people like Mr Spadotto.

Another issue is that China maintains there is no evidence of Chinese Intelligence operations in Huawei. This week Poland arrested a Huawei spy. There are now increasing numbers of court challenges in the US alleging Huawei's theft of intellectual property in several incidents. One has to wonder how much more people need to be at least wary. A third point is that just because there is no "open" evidence doesn't mean there isn't some at higher classification levels in any one of the Five Eyes community and in those of our allies such as Japan and Germany. No one is going to let out how they know unless the means and source are already exposed.

Security services, unlike a court case, do not need to expose their operations and should not. Just because the evidence is classified does not make it less compelling.

China maintains it has rule of law. Actually it does not, at least not as anyone else would recognize.

The rule of law is honoured mainly in the breach in China. Chinese rule of law is better known as the "whims of the CCP." Canada must also understand that our adoption of a system using Huawei or other major Chinese communications not only affects our security but of the entire partnership. The CCP will do no real favours for Canada and is likely to attempt to undermine aspects of the Canadian system, as we have already seen in New Zealand and Australia. Huawei is likely viable and reliable, but the Communist Chinese Party is not. It can and will do as it deems fit for its own advancement, and therefore Huawei should be banned from our 5G system.

Why the West won't act on China's Uighur crisis

http://www.atimes.com/article/why-the-west-wont-act-on-chinas-uighur-crisis/



Canada gets "dishonourable mention" in the article as follows:

"A Canadian parliamentary committee reported last month that the detention of the Uighurs, as well as other Muslim minority groups, is "unprecedented in its scale, technological sophistication and in the level of economic resources attributed by the state to the project." Yet the Canadian government has not yet engaged is anything beyond rhetorical criticism."

What can one say in the face of cultural genocide such as that being carried out by China? Multiple sources including the EU as well as survivors tell of the "re-education" camps for Uighurs that encompasses nearly a quarter of all Uighurs. China has also colonised with Han Chinese. The Province of Xinxiang, formerly the country of East Turkestan, was invaded and occupied by the Chinese in 1950. China has carried on a war of extinction with the Uighurs (one might also consider the fate of Tibet as well). A quoted Chinese Government document which is not actually identified in the article: "argued that the centers should "break their lineage, break their roots, break their connections, and break their origins." It went on: "Completely shovel up the roots of 'two-faced people,' dig them out, and vow to fight these two-faced people until the end."

The article is worth the read and there is increasing evidence of crimes against humanity by Chinese authorities. Some of this article does quote Chinese Government sources but again without the exact reference there is always some skepticism required especially in an open source.

The bottom line is Canada is taking a leave of moral authority and is basing its decisions on economics and not taking an ethical or moral stand contrary to our public statements whether with China nor Saudi Arabia and others. Our credibility on these issues is poor as we say one thing then do the opposite. Canada needs to do more than pontificate, it needs to take action against China and prevent any further growth of Chinese influence in our country.

Hypersonic Bomber Crashes in Russia, 3 Reported Killed

https://themoscowtimes.com/news/hypersonic-bomber-crashes-russia-3-reported-killed-64237



This is a short Moscow Times report on the crash of a Russian TU-22M3 in the Far East during a snow squall. The aircraft is the latest version of a very old airplane, although the addition of 'hypersonic' sounds most impressive. The article does state that this is the second major accident in less than a week when two SU-34 collided on Friday. One aircraft recovered back to the airfield and the one crashed at sea, apparently with the loss of at least one crewman. The TU-22 M3M was developed from a plane designed in the early 1960s and first flew in 1969. Approximately 500 were built of which around 100 are still flying in the air force and navy. About 30 will be upgraded to the TU-22M3M level, with some electronics being borrowed from the current SU-34 fighter-bomber. The airframe is still from the original builds.

Russia is deteriorating due to corruption and fraud within the arms industry. Oil prices have not recovered to fund many of their modernization programs and many languish, despite announcements of many programs. Calling the plane hypersonic is a way of making it sound vastly more impressive than it actually is, like so many other Russian efforts.

An update from Tass: "All TU22M3 Grounded till the End of Probe Into Tuesday's Crash near Murmansk" (http://tass.com/emergencies/1041212)

Navy moving ahead on life extensions for subs

 $\frac{https://www.msn.com/en-ca/news/canada/navy-moving-ahead-on-life-extensions-for-subs/ar-BBSBzsp?ocid=se$



How many new subs could you buy for \$2Billion?

Depending on what you are buying, maybe one or maybe none.

The 'sail away costs' of any ship or submarine program are notoriously hard to 'nail down'. Weapons and ammunition, manuals, simulators, life cycle maintenance costs, and domestic 'conversion costs' are all just some of what are 'open for negotiation' with the buyer.

In Canada, the state of the industry and the government's aspirations for development, employment and military capability all play into this picture.

Building warships is the most complex task on this earth: submarines are far and away the most complex 'machines' built today.

I have attached an email I wrote a few years back to a person from a major defence company operating in Canada when their leadership took great exception to a remark I made in the media of a 'notional inflation factor' for building surface warships in Canada. This was not an 'innocent question' asked to sound me out about my views on the subject. The company in question and this senior executive genuinely had no idea about costs, escalation and the Canadian context for their industry.

Email:

I have done some looking for the data you want on the increasing cost of warships and think I have found exactly what you need to see.

The best international authority on this subject is Philip Pugh. His book, *The Cost of Seapower: The Influence of Money on Naval Affairs from 1815 to the Present Day*, (Conway Maritime Press, 1986), is the source that people turn to first for credible analysis on the subject. When journals like *The Economist* write articles on "The Cost of Weapons," they always include a quote or two from Pugh and his book. The book (423 pp.) is huge, but is a 'must read' for anyone that is interested in the subject of the cost of technology generally and the cost ships specifically.

As an example, Prof. John Erickson, Ph.D., from the U.S. Naval War College in Rhode Island, was called to testify before the U.S. - China Economic and Security Review Commission in January of this year. You can find the record of his testimony here. The expansion of the Chinese military was being discussed and its implications for the United States.

Erickson's testimony turns to the cost of ships (and other weapons) and refers to Pugh's work half-way down page 6:

In his classic treatise, Philip Pugh marshals considerable historical data to suggest that while countries tend to spend a constant percentage of their economy on defense over time, the cost of ships and weapons increases faster than inflation — typically at 9%. At 2% inflation, this would compound to costs doubling each decade. Pugh finds that even 2% per annum naval budget growth — excessively optimistic for most developed Western nations — would tend to require an annual average 3.5% reduction in fleet numbers. In practice, navies find ways to save costs and innovate (e.g., by shifting given missions to smaller platforms).10

fn10: Philip Pugh, *The Cost of Seapower: The Influence of Money on Naval Affairs from 1815 to the Present Day* (London: Conway Maritime Press, 1986), 143-51, 272-77. Later is his testimony, Professor Erikson says:

A RAND study similarly concludes that the cost growth rate for U.S. Navy vessels over the past half century is 7-11%, with economy-related factors approximating inflation and customer-driven demands accounting for the remaining majority. Of these, ship weight, power density, and sophistication are the largest cost drivers.11

fn11: Mark V. Arena et al., Why Has the Cost of Navy Ships Risen? A Macroscopic Examination of the Trends in U.S. Naval Ship Costs over the Past Several Decades (Santa Monica, CA: RAND, 2006), xiv-xv, 22-49.

http://www.rand.org/content/dam/rand/pubs/monographs/2006/RAND MG484.pdf.

Erickson goes back to Pugh's work for his final comment on this subject:

In Pugh's analysis, such dynamics make it essential to avoid the "Everest Syndrome" — constant selection of the most advanced ship possible over a more conservative approach based on competition with actual adversary capabilities.12

fn12: Pugh, 316.

The issue of cost, while situation-dependent to a certain extent, is driven primarily by the factors identified by Erickson (from Pugh): ship weight, power density, and sophistication. These factors are common for all countries that operate in an open and free-market society. The cost escalation figures

globally (from Pugh) run at about 9%, which is a broad average and includes a number of not-so-open or free market countries. The figures in the RAND study show an upward trend in the escalation factor above 10%. This is clearly driven by the American need for larger, more powerful and sophisticated warships. They see themselves as world-leaders in most technological fields and drive their efforts towards degrees of sophistication that uphold that opinion.

So, you can see now where I get the 'nice, round number' of 10%. I think it is probably valid, but I am forced to rely on the research work of experts for this number rather my own assessment. National data simple does not exist in recent enough terms to do this for Canada.

I am very concerned about future trends in warship armament, propulsion and sensors that will revolutionize how combat at sea is fought. Swarming attacks in multiple dimensions from drones and manned platforms will very likely be the standard form of attack in 'conventional' naval warfare. Front-line warships will need anti-ballistic missile systems for area defence and charged-particle laser weapons for self defence. Electro-magnetic rail guns are already under development and will become the new standard as land attack weapons. All of these sophistication developments will drive up displacement and increase the demand for power. What type of warship does Canada intend to build? Pugh's warning against the Everest Syndrome seems particularly relevant here.

The government has not issued a policy statement that limits the missions and capabilities of the future Canadian navy. In fact, quite the opposite, they are not at all hesitant to deploy the RCN's warships into high-risk areas, like the Black Sea. This will drive the naval staff to make their Statement of Requirement as advanced as possible. We may not be climbing a figurative Mount Everest here, but perhaps Mount Robson in the Canadian Rockies is a better analogy.

Canada must not follow biased few: embassy

http://www.globaltimes.cn/content/1136906.shtml



"Canada Must Not Follow Biased Few: Embassy" is a Global Times article dated 24 January 2019, and is an opinion piece by someone who calls himself Yang Sheng. Considering the number of official actions and threats against Canada by the Chinese Ambassador to Canada and the spokespersons in Beijing this past few weeks, the situation is almost comical except for the death sentence for one and the confinement and torture of two other Canadians on trumped-up charges.

China in the past few weeks has shown its real face. Canada should not be fooled by the coming "charm offensive" by officials of the Chinese Communist Party (CCP). I am quite sure all Canadians who visit China are safe until they are not at the whims of the CCP. China has no rule of law as we or anyone with actual rule of law would know it.

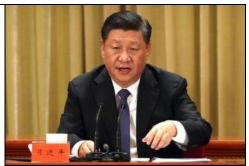
All Canadians should be concerned that China continues to conduct cultural genocide. It slaughters people fairly regularly in trials that can only be considered little better than kangaroo courts. All Canadians should be appalled at the number of Canadian companies that have displayed a lack of ethics and morality by starting and supporting companies in China. According to the article, 14,000 Canadian companies in total, something to be ashamed of, are prospering at the expense of others who cannot defend themselves against an odious regime.

So long as the CCP exists, our relationship should be cursory at best and Canadian companies penalised for any investment in China. China is an adversary, not a friend. It is time we realized it.

In regard to those who may think this is anti-Chinese, it isn't. Never have a people been so in need of liberation as the people of China. It is the CCP that is and continues to be the problem.

Chinese President Xi Jinping warns against 'black swans', 'grey rhinos' amid economic downturn

https://www.abc.net.au/news/2019-01-22/xi-jingping-china-president-warns-black-swans-grey-rhinos/10736442



"President Xi Jinping Warns Against 'Black Swans' and 'Grey Rhinos' Amid Economic Turndown" is from the Australian Broadcasting Corporation (ABC), revised on 22 January 2019. The article mirrors another report in the South China Morning Post regarding China's actual economy (https://beta.scmp.com/news/china/politics/article/2183224/xi-jinping-has-issued-rallying-cry-what-china-alert).

Henry M Paulson, in his book,"Dealing with China," discusses throughout the ongoing issue with Chinese accounting practices, sometimes out of inexperience but routinely at the hands of the Chinese Communist Party (CCP) especially when it comes to the State Owned Enterprises, which Paulson also states limits the Chinese economy and make it less effective.

This is a good read and should raise concerns about the actual state of the Chinese economy. How strong is it really? There seems to be a real lack of study as to China's actual economy versus the figures provided by the CCP. It is worth some thought.

Big is beautiful but not for China's 'walking dead'

http://www.atimes.com/article/big-is-beautiful-but-not-for-chinas-walking-dead/



Chinese State Owned Enterprises

"Big is Beautiful, But Not for China's Walking Dead" is an Asian Times article by Gordon Watt.

The walking dead are China's state-owned enterprises which are large and are taking much of the capital for financing growth out of the economy that according to the article's author would have been more efficiently used by private enterprises and businesses. China grossly subsidizes these behemoths, showing the usual communist favouritism to state owned business. He points out later in the article that 95% of infrastructure development money went to state owned businesses. It does raise the spectre of the very real issue of Chinese growth figures over all. Is the Chinese dream built on falsehoods? As the Chinese Communist Party provides the figures it is unlikely that they will show that the SOEs are a money drain and not a benefit.

The article is clear and concise and raises concerns. The one issue I have with it is, there are too many places where he simply for my liking states his sources as senior Chinese officials. It is open source and there is no way to truly verify his comments, Mind you, the Chinese Government figures are suspect as well

President Xi is aware of the problem and hence his comments 23 January about "black swans" and "grey rhinos," indicating he is expecting further troubles as China's economy slows on the thirtieth anniversary of Tiananmen Square. Failing economy, false figures, layoffs, various conflicts, corruption, a large but unspecified debt...nothing to worry about in China?

Government inaugurates new armoury for Halifax Army Reserve

https://www.canada.ca/en/department-national-defence/news/2019/01/government-inaugurates-new-armoury-for-halifax-army-reserve.html



A welcome facility, hopefully one that will result in enhanced training, recruitment and readiness for the tenant units. Some small thoughts about the news release. First, it is a regret but understandable that writers of official news releases such as this, writers who probably do not have an in-depth knowledge of military terminology and history, use the US term 'armoury' rather than the traditional Canadian term 'armouries,' used even when writing of a single building. See "Armoury and Armouries" (https://rusi-ns.ca/armoury-and-armouries/). The singular was probably used by project management and senior departmental staff to keep things simple in high level documentation and briefs, as was done for the Halifax Armouries project (labelled the North Park Armoury by staff). At least with the Halifax Armouries, the plural word is carved in stone over the building's west door. Second, the word 'inaugurates' means "to mark the beginning or first public use." The building was completed in August 2018, so one can suspect that an inauguration in January was driven by political expediency and the word inaugurate used by a writer to add a flavour of newness to the event. And last, it is almost surprising that the Willow Park Armoury retains that location-based name. One can suspect that it won't be long before there will be another public ceremony re-naming the building after someone notable.

It is understood that the building may be named after Margaret MacDonald, a Nova Scotia nursing sister who served in the Spanish-American War, Boer War and the First World War, rose to be Matron-in-Chief of the Canadian Army Medical Corps Nursing Service and was the first woman in the British Empire to receive the rank of major.

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

Canada's review of Huawei won't be derailed by threats, Goodale says

https://www.cbc.ca/news/SOMNIA-1.4983582

Canada faces tough decisions as Trump unveils ambitious missile-defence plan

 $\frac{https://medicinehatnews.com/news/national-news/2019/01/17/canada-faces-tough-decisions-as-trump-unveils-ambitious-missiledefence-plan/$



HMCS Toronto to head out on NATO operation

 $\frac{https://ottawacitizen.com/news/national/defence-watch/hmcs-toronto-to-head-out-on-nato-operation}{out-on-nato-operation}$



RCN ships to head to Africa next week

 $\underline{\text{https://ottawacitizen.com/news/national/defence-watch/rcn-ships-to-head-to-africa-next-week}$



Canadian military claimed a report didn't exist — even though it 'clearly' did

 $\frac{https://nationalpost.com/news/canadian-military-claimed-a-report-didnt-exist-even-though-it-did}{even-though-it-did}$



Missile Defense Review Calls for Protecting US From Cruise Missiles

 $\underline{https://www.defenseone.com/threats/2019/01/missile-defense-review-calls-protecting-us-cruise-missiles/154266/?oref=defenseone_today_nl$

Trump says US backs NATO '100%,' after report he discussed withdrawal

https://www.defensenews.com/congress/2019/01/17/trump-says-us-backs-nato-100-after-report-he-discussed-withdrawal/?utm_source=Sailthru&utm_medium=email&utm_campaign=ebb %2018.01.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



How Trump forced Japan to take security into its own hands

https://amp.scmp.com/week-asia/geopolitics/article/2181764/how-trump-forced-japan-take-security-its-own-hands



As Defence Secretary Gavin Williamson wants UK solidarity with Ukraine, Askold Krushelnycky's gripping front line dispatch exposes the grim reality of its war with Russia

https://www.dailymail.co.uk/news/article-6598099/amp/Askold-Krushelnyckys-gripping-line-dispatch-exposes-grim-reality-Ukraines-war-Russia.html



US and China: Trade, Technology Theft and Arrests

https://rusi.org/commentary/us-and-china-trade-technology-theft-and-arrests?utm_source=RUSI+Newsletter&utm_campaign=df6fc5354f-EMAIL_CAMPAIGN_2018_11_23_04_44_COPY_02&utm_medium=email&utm_term=0_0c9bbb5ef0-df6fc5354f-47709521

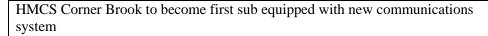
The Role of Verification in the Intermediate-Range Nuclear Forces Treaty Dispute

https://rusi.org/commentary/role-verification-intermediate-range-nuclear-forces-treaty-

dispute?utm_source=RUSI+Newsletter&utm_campaign=df6fc5354f-<u>EMAIL_CAMPAIGN_2018_11_23_04_44_COPY_02&utm_medium=email_</u> &utm_term=0_0c9bbb5ef0-df6fc5354f-47709521

Autonomous weapons and the new laws of war

 $\underline{https://www.economist.com/briefing/2019/01/19/autonomous-weapons-and-the-new-laws-of-war}$



 $\underline{\text{https://ottawacitizen.com/news/national/defence-watch/hmcs-corner-brook-to-become-first-sub-equipped-with-new-communications-system}$

U.S. faces deadline to extradite Huawei exec from Canada

https://www.cbc.ca/news/SOMNIA-1.4985452









Tens of millions paid out due to bungled Canadian Forces procurement, but government says details are secret

 $\frac{https://nationalpost.com/news/canada/tens-of-millions-paid-out-due-to-bungled-canadian-forces-procurement-but-government-says-details-are-secret$

The Shutdown Is Great News for Russia

 $\underline{https://www.defenseone.com/ideas/2019/01/shutdown-great-news-russia/154310/?oref=defenseone_today_nl}$

Merkel and Macron sign Treaty of Aachen to revive EU

https://www.dw.com/en/merkel-and-macron-sign-treaty-of-aachen-to-revive-eu/a-

47172186?utm_source=Sailthru&utm_medium=email&utm_campaign=ebb% 2022.01.19&utm_term=Editorial% 20-% 20Early% 20Bird% 20Brief

Chinese army now makes up less than half of PLA's strength as military aims to transform itself into modern fighting force

https://www.scmp.com/news/china/military/article/2183050/chinese-army-now-makes-less-half-plas-strength-military-aims?utm_source=Sailthru&utm_medium=email&utm_campaign=ebb%2022.01.19&utm_term=Editorial%20-%20Early%20Bird%20Brief

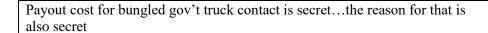
U.S. to formally seek extradition of Huawei executive Meng Wanzhou: Globe and Mail

https://www.reuters.com/article/SOMNIA-idUSKCN1PG078



China demands US drop Huawei extradition request with Canada

https://www.apnews.com/c772580f689346cf95d388d255933159

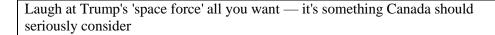


https://ottawacitizen.com/news/national/defence-watch/payout-cost-for-bungled-govt-truck-contact-is-secretthe-reason-for-that-is-also-secret



Canadian CH-148 returns from first operational deployment

 $\frac{https://navaltoday.com/2019/01/22/canadian-ch-148-returns-from-first-operational-deployment/}{}$



 $\frac{https://www.cbc.ca/news/opinion/space-force-}{1.4982538?fbclid=IwAR0Gt5SRTQCMeOu2GMaB7zIhmgqgle7qSRX6zjUR} \\ \frac{6b8H_ZkpNmh9yMiw5xQ}{}$

Airbus open to a fighter plane assembly plant in Quebec ahead of federal bids

 $\underline{https://www.thechronicleherald.ca/business/airbus-open-to-a-fighter-plane-assembly-plant-in-quebec-ahead-of-federal-bids-275720/$



Singapore wants the F-35 to replace its F-16s

 $\frac{https://www.defensenews.com/global/asia-pacific/2019/01/18/singapore-wants-the-f-35-to-replace-its-f-$

16s/?utm_source=Sailthru&utm_medium=email&utm_campaign=ebb%2022.0 1.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



DND blames clerk for internal failures, even as documents show senior officers discussed withholding records

 $\underline{https://nationalpost.com/news/canada/dnd-blames-clerk-for-internal-failures-even-as-documents-show-senior-officers-discussed-withholding-records}$



US House votes overwhelmingly to bar US exit from NATO

https://www.defensenews.com/congress/2019/01/23/us-house-votes-overwhelmingly-to-bar-us-exit-from-

<u>nato/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB%201.</u> 23.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



Israel touts successful test of Arrow-3 missile interceptor

 $\underline{https://www.defensenews.com/global/mideast-africa/2019/01/22/israel-touts-successful-test-of-arrow-3-missile-$

interceptor/?utm_source=Sailthru&utm_medium=email&utm_campaign=EBB %201.23.19&utm_term=Editorial%20-%20Early%20Bird%20Brief

Canadians pressed into service after deadly attack on UN base in Mali

https://www.cbc.ca/news/SOMNIA-1.4988318



German Navy returns to treating the Baltic Sea as a potential theater of war

https://www.defensenews.com/global/europe/2019/01/23/german-navy-returns-to-treating-the-baltic-sea-as-a-potential-theater-of-war/?utm_source=Sailthru&utm_medium=email&utm_campaign=ebb%2024.01.19&utm_term=Editorial%20-%20Early%20Bird%20Brief

China's military overhaul likely to raise neighbours' concerns over improved offensive capabilities

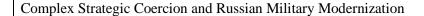
https://www.scmp.com/news/china/military/article/2183202/chinas-military-overhaul-likely-raise-neighbours-concerns-over?utm_source=Sailthru&utm_medium=email&utm_campaign=ebb%2024.

01.19&utm_term=Editorial%20-%20Early%20Bird%20Brief

Northern Ireland bomb is a warning we can't ignore

 $\underline{\text{https://www.politico.eu/article/the-derry-northern-ireland-bomb-is-a-warning-we-cant-ignore-good-friday-}\\$

<u>agreement/?utm_source=Sailthru&utm_medium=email&utm_campaign=ebb%</u> 2024.01.19&utm_term=Editorial%20-%20Early%20Bird%20Brief



https://www.cgai.ca/complex_strategic_coercion_and_russian_military_moder_nization?utm_campaign=lindleyfrench_russiamil&utm_medium=email&utm_source=cdfai

Canadian Army door gunners receive flight crew badges

 $\frac{http://www.rcaf-arc.forces.gc.ca/en/article-template-}{standard.page?doc=canadian-army-door-gunners-receive-flight-crew-badges/jr5hj97k}$

Four Problems on the Korean Peninsula: North Korea's Expanding Nuclear Capabilities Drive a Complex Set of Problems

https://www.rand.org/pubs/tools/TL271.html?utm_source=WhatCountsEmail&utm_medium=RAND%20Policy%20Currents+AEM:%20%20Email%20Address%20NOT%20LIKE%20DOTMIL&utm_campaign=AEM:631600804



Other Sources:

#artificial intelligence

An arms race that Canada could actually win

https://www.macleans.ca/news/canada/an-arms-race-that-canada-could-actually-win/

#China

China's first steps before going to battle

https://www.c4isrnet.com/c2-comms/2019/01/16/chinas-first-steps-before-going-to-battle/and DIA report at:

China Military Power - Modernizing a Force to Fight and Win

http://www.dia.mil/Portals/27/Documents/News/Military%20Power%20Publications/China_Military_Power_FINAL_5MB_20190103.pdf

Ships of State: Chinese Civil-Military Fusion and the HYSY 981 Standoff

http://cimsec.org/ships-of-state-chinese-civil-military-fusion-and-the-hysy-981-standoff/39490

This is a fascinating article that shows how integrated Chinese SOE's are integrated into Chinese security policy and activities. All countries must be aware of the risks they expose themselves to in dealing with such state owned enterprises - be it at sea, in the air, on land or in cyberspace.

#command

The Prussian Revolution: The 10 Habits of Highly Effective Staff Officers

https://news.clearancejobs.com/2019/01/20/the-prussian-revolution-the-10-habits-of-highly-effective-staff-officers/

Erosion of Mission Command in Barracks

https://wavellroom.com/2017/12/07/erosion-of-mission-command-in-barracks/

#conflict listing

10 Conflicts to Watch in 2019

https://www.crisisgroup.org/global/10-conflicts-watch-2019

#damage repair

Research to enhance survivability of Navy warships

cool tech: https://www.defenceconnect.com.au/maritime-antisub/3436-research-to-enhance-survivability-of-navy-warships

#defence procurement

Tens of millions paid out due to bungled Canadian Forces procurement, but government says details are secret

https://nationalpost.com/news/canada/tens-of-millions-paid-out-due-to-bungled-canadian-forces-procurement-but-government-says-details-are-secret

This will add to the list, and media will bring it up again and again...

#defence programs

How Britain's Ministry of Defence is playing for time (and money) in a dangerous world https://theconversation.com/how-britains-ministry-of-defence-is-playing-for-time-and-money-in-adangerous-world-109155

One can reflect on a comparison of the UK's defence program travails with Canada's.

#dumping munitions in the ocean

The Dark Side of Disarmament: Ocean Pollution, Peace, and the World Wars https://alexsouchen.wordpress.com/2018/12/10/the-dark-side-of-disarmament-ocean-pollution-peace-and-the-world-wars/

Another aspect to ongoing wrecks recovery and ocean war graves efforts.

#information operations

Countering Russian disinformation the Baltic nations' way

https://theconversation.com/countering-russian-disinformation-the-baltic-nations-way-109366

An editorial (not by a RUSI editor) to the article above highlighted the term 'gaslighting': "a form of psychological manipulation that seeks to sow seeds of doubt in a targeted individual or in members of a targeted group, making them question their own memory, perception, and sanity." Shortly afterwards the following came to this RUSI(NS) editor's attention with yet another/related concept/term (!) — 'economic gaslighting':

Soviet Economic Gaslighting of Latvia and the Baltic States

https://www.stratcomcoe.org/gatis-krumins-soviet-economic-gaslighting-latvia-and-baltic-states

#intelligence

National Intelligence Strategy of the United States of America 2019 https://assets.documentcloud.org/documents/5691327/National-Intelligence-Strategy-2019.pdf

#land warfare

Future Deployable Headquarters – Small, Distributed & Dislocated https://wavellroom.com/2017/05/19/future-deployable-headquarters-small-distributed-dislocated/

#law and conflict

The Sixth Annual Transatlantic Workshop on International Law and Armed Conflict: A Joint Blog Post Series

 $\frac{https://www.lawfareblog.com/sixth-annual-transatlantic-workshop-international-law-and-armed-conflict-joint-blog-post-series$

Note links to:

"Precautionary Measures in Urban Warfare: A Commander's Obligation to Obtain Information"

"Sieges, Evacuations and Urban Warfare: Thoughts from the Transatlantic Workshop on International Law and Armed Conflict"

"Better Safe than Sorry: Transferring Detainees Safely to Coalition Partners"

"Medical Care in Armed Conflict"

#logistics

Limping to war

https://logisticsinwar.com/2019/01/24/limping-to-war/

#NATO

The World Still Needs NATO

https://www.nytimes.com/2019/01/18/opinion/nato-european-union-america.html

Article by the German defense minister.

NATO – ready for anything?

https://www.nato.int/docu/review/2019/Also-in-2019/nato-ready-for-anything-military-

force/EN/index.htm

#naval weapons

Navy Studying Hyper Velocity Projectile, Other Ammo for Zumwalt Guns

https://news.usni.org/2019/01/21/navy-studying-hyper-velocity-projectile-ammo-zumwalt-guns

Would be cool if advantage could be taken of the technology for the RCN CSC's 127mm gun.

#procurement

5 'bold' recommendations to improve DoD acquisition

 $\underline{https://federalnewsnetwork.com/acquisition/2019/01/5-bold-recommendations-to-improve-dod-acquisition/}$

US but worth a read for lessons for Canada.

#search and rescue

Non-Governmental Organisations and Search and Rescue at Sea

http://www.marsafelawjournal.org/contributions/non-governmental-organisations-and-search-and-rescue-at-sea/

rewarded at: https://www.universiteitleiden.nl/binaries/content/assets/rechtsgeleerdheid/meijers-instituut/meijersprijzen/meijersprijs-2019_fink_juryrapport.pdf

#shipbuilding

How to solve the National Shipbuilding Strategy

video: http://www.shipbuildingstrategy.ca/

From the Association of Davie Shipbuilding Suppliers.

#strategy #United States

Searching for Strategy...and Finding it in the Most Likely Place

 $\frac{https://thestrategybridge.org/the-bridge/2018/1/16/searching-for-strategyand-finding-it-in-the-most-likely-place$

#war

Reviewing The New Rules of War

book review: https://thestrategybridge.org/the-bridge/2019/1/23/reviewing-the-new-rules-of-war

Other:

Royal Canadian Legion

Free, One-year Legion membership to welcome Veterans to the Legion

https://www.legion.ca/join-us/free-membership-caf-rcmp

"The Legion is pleased to offer currently serving and retired Canadian Armed Forces and RCMP members with a free one-year Legion membership, including a subscription to Legion Magazine and

access to the Member Benefit programs. Our Veteran Welcome Program, available to all Veterans who have not yet joined the Legion, is a great way to get to know the organization."

#book review

The book "Fighting the People's War: The British and Commonwealth Armies and the Second World War" (https://www.cambridge.org/core/books/fighting-the-peoples-

<u>war/4F5C050560E4DF0223A3D19982C11577</u>) is getting good comments in social media, and positive reviews online. If a *Dispatches* reader has read the book, a review to be included in our *Home Dispatches* quarterly would be appreciated.

Book reviews of any appropriate book are welcome.

HMCS Cape Scott Flags

HMCS *Cape Scott* was sailing home from a medical expedition to Easter Island and the Galapagos on 15 February 1965, the day Canada adopted it new flag. The ship held a ceremony to haul down the white ensign and hoist the new flag. There were two new flags hand stitched onboard based on verbal descriptions received by radio (the ship had been gone since 16 November 1964). The captain then was Commander Tony Law.



Dr Jacalyn Duffin, Professor Emerita and Hannah Chair of the History of Medicine, Queen's University, and author of "Stanley's Dream: The Canadian Medical Expedition to Easter Island," is trying to trace the *Cape Scott* flags, without success. She knows one was mailed to Prime Minister Pearson, but checks of the War Museum and the Museum of History were fruitless (the letter to PM Pearson but no flag is in the National Archives).

Can anyone provide a lead to assist with the search? Please email RUSINvaScotia@gmail.com.



On January 15, 2006, senior Canadian diplomat Glyn R. Berry was tragically killed in a terrorist attack in Afghanistan. At that time, he was Political Director for the Provincial Reconstruction Team in Kandahar. Mr. Berry was a principled humanitarian, passionately devoted to improving conditions for ordinary people in desperate circumstances. He graduated with a PhD (Political Science) from Dalhousie University in 1981. In his honour, Dalhousie, in partnership with Global Affairs Canada, created the Glyn R. Berry Memorial Scholarship for a PhD candidate who specializes in Canadian international policy, or international issues with particular interest to Canada.

Living with China in an Era of Great Power Rivalry: Canadian Options

TIME: 12PM - 1:30PM DATE: FEB. 8TH, 2019

Kenneth C. Rowe Management Building 6100 University Ave, Room1009

RSVP

https://www.eventbrite.ca/e/glenn-berry-lecture-tickets-54861471137









Paul Evans is a Professor of Asian and trans-Pacific international relations in the School of Public Policy and Global Affairs at the University of British Columbia. A former head of the Asia Pacific Foundation of Canada, and director of several research institutes and international projects involving collaborations with partners in more than twenty countries, he has been active in connecting scholarship to policy problems since receiving his Ph.D. from Dalhousie in 1982.