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PRESIDENT'S MESSAGE

Greetings All USINNI Members. The summer is officially here now and we have a lot to be thankful for. Our recent visit to 19 Wing was a grand success primarily due to the professionalism and hospitality displayed by members of Wing. In no uncertain terms, they went out of their way to ensure that we were hosted in a warm and inviting manner. From the morning briefing (including coffee and sticky buns), to



**Canada Day
July 1st**

the static displays of aircraft and equipment, to the friendly and informative answers to our questions, 19 Wing set

the precedent for any future visits we might participate in. From the entire membership of the USINNI, a grateful and sincere thank you to 19 Wing members.

This summer promises to be particularly interesting on the world front. With saber rattling between the USA and Iran, to the US and Canadian election campaigns, to the what looks to be possibly extremely dry weather in BC, there will

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MILITARY & SECURITY MUSINGS:

**If they rest quietly at all, Canadians may...
"sleep peacefully in their beds at night only because rough men stand ready to do violence on their behalf" ... (George Orwell)
...and yes, some of those roughies are women.**

NANAIMO, 20 June 2019...the Writ has yet to be formally dropped, but we're bumbling our way along to the Autumn election of a new government in Ottawa. The major contestants are already out on the hustings, each promoting himself/herself as best qualified to lead Canada on into the 2020s. Whatever their

fine differences, the emphasis of all of them will be on tinkering with the economy while finding ways to improve the social net for Canadians.

None of them have expressed much interest or thought on Canada's defence needs. One way or another, late October will find the new government still trying to make mileage with Harjit Sajjin's toothless



Not Strong; Not Secure; Not Engaged defence policy. The Trudeau Government has studiously underfunded and undernourished DND these past four years, much as did successive governments during the prior fifty years. All failed the very first

“At the very least, under normal circumstances, the annual budget for DND should be set at 2.2%”

duty of our Federal Government, which is to ensure the safety and security of Canadians from threats from abroad. We're simply not ready for what I believe is coming down the pike at us. We're as unready today as were two earlier generations in 1914 and again in 1939.

I'm neither able nor qualified to rewrite our Defence Policy, but I can suggest some practical moves a new government should try. For now, I'm going to focus myself narrowly on money and personnel.

For starters, let's talk money. If, as I've argued in earlier columns, the first duty of the Federal Government is the safety and security of our own people, we now need to focus spending there as a first priority. Parliament should be asked to strike a new Defence Appropriation Contract written right into our Statutes! At the very least, under normal circumstances, the annual budget for DND should be set at 2.2% of the preceding fiscal year's GDP. On that basis, the budget this year, based on last year, would have been set at approximately \$36 billion dollars. Of course, were we actually at war, we'd appropriate and spend whatever it took to win. And, of course, that latter assumes we will have time; which we probably won't!

Next though, any money not spent in one year from Defence Appropriations should accrue supplementary to the following year's new 2.2% appropriation. It will still take some ten years of this kind of budgeting just to catch up on the capital spending not made or not completed this past half century. Indeed, given the obsolescence of much

of our major equipment it may well be that 2.2% of GDP is too low a bench mark for Canada.

However, one way or the other, assured defence spending is my first suggestion for a meaningful election platform.

Next, we need to refashion the personnel structure and inventory for the Canadian Armed Forces.

For starters, we should move to the goal suggested in an earlier column and fill every single establishment position for both the Regular Force and the Ready Reserve. This will require the prompt expansion of Canada's Armed Forces from the ceiling of roughly 99,000 now permitted them to some 160,000 all ranks. Within that, the Regular Force, naval, land & air, should be made up... 100%...only of those fit and motivated men & women who, once trained and properly kitted, can be deployed on little or no notice to whatever mission is required of them.

To attract and retain quality people to the Armed Forces will call for much improved pay, allowanc-

“Incentives should include provisions in the Income Tax Act for non-refundable tax credits that will encourage members to remain with our Forces...”

es and incentives than are currently provided. Incentives should include provisions in the Income Tax Act for non-refundable tax credits that will encourage members to remain with the Regular Forces, the Ready Reserve or the Supplementary Reserve Force. These will vary between Forces and deployments.

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Industry asked to develop magnetic anomaly detector (MAD)-equipped UAV for anti-submarine warfare (ASW)

Project seeks to launch a 36-pound, 90-knot UAV with magnetometer from an aircraft, with 45-minute endurance, to detect submarine-sized targets.

Author—John Keller
June 12th, 2019

ARLINGTON, Va. – U.S. military researchers are asking industry to develop a small unmanned aerial vehicle (UAV) equipped with a magnetic anomaly detector (MAD) that can deploy from a maritime patrol aircraft to detect and track enemy submarines.

Officials of the Washington Headquarters Services Acquisition Directorate in Arlington, Va., issued a request for white papers on Tuesday for phase one of the MAD UAV prototype project.

A MAD instrument detects minute variations in the Earth's magnetic field. A submerged submarine represents a mass of ferromagnetic material that creates a detectable disturbance in the Earth's magnetic field.

Researchers want to develop a MAD UAV smaller than 36 pounds that can be air deployed from a sonobuoy launcher aboard the aircraft. The UAV will use an on-board magnetometer to locate and track submerged submarines.

Related: BAE Systems to develop MAD ASW drone to help Navy find submarines from high altitudes

The project involves design maturation, ruggedization for airborne launch, delivery of flight-test UAVs, and flight testing. The Washington Headquarters Service is issuing this solicitation on behalf of the U.S. Department of Defense (DOD) Strategic Capabilities Office in the Pentagon.

The winning contractor will develop and mature a MAD UAV; integrate the UAV command and con-

Military and Security Musings Continued from page 2

In addition, the personnel selection, enrolment, training, assignment, employment and retention of members of the total Forces should be based solely on job requirements. These should not be distorted by the kinds of quota requirements that flow from diversity and equality policies that prevail elsewhere in Canadian society. The only goal for the Canadian Armed Forces should be that of getting the very best man or woman for whatever

“The only goal for the Canadian Armed Forces should be that of getting the very best man or woman for whatever job is required of them.”

job is required of them.

That's my second plank for an improved election platform.

Today's & tomorrow's Canadian Armed Forces needs more rough men & women and the tougher officers able to motivate, move & lead them. Wimps shouldn't apply! Rough & tough men and women should! It's the right life for those for whom, *when the going gets tough, they just get going!*

The views expressed in this column are those of Colonel (Retd) W.J. (Bill) McCullough, MSC, CD, a Past President of our Institute and the long-time Chair of our Military Committee. His columns are the product of his own experience, research & midnight mus-

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trol software into the aircraft mission systems suite; and deliver 75 UAVs for anti-submarine warfare (ASW) test demonstration.



The UAV should weigh less than 36 pounds, and be launched from the aircraft and be able to fly for as long as 45 minutes at cruise speed; fly as fast as 90 knots; and be able to detect a target the size of a submarine.

Navy officials want the MAD UAV to be air-deployable from 500 to 25,000 feet altitude; be able to operate in salt spray in rain; search an area as large as four square nautical miles each hour; and provide constant target position with

revisit rates of less than 10 seconds.

The UAV should be controllable over a UHF line-of-sight data link operating at between 75 and 376 MHz. The UAV should less than \$12,500 apiece.

Four years ago the U.S. Office of Naval Research in Arlington, Va., awarded an \$8.9 million contract to the to the BAE Systems Electronic Systems segment in Merrimack, N.H., to develop a magnetometer UAV sensor payload to look for submerged enemy submarines

This project, called the High Altitude ASW (HAASW) Unmanned Targeting Air System (UTAS), also sought MAD UAV detector capability deployable from the Navy P-8A aircraft.

The Navy's predecessor to the P-8A -- the Lockheed Martin P-3 Orion four-engine turboprop aircraft -- has a MAD sensor attached to the back that looks like a large stinger that protrudes backward from the plane's tail.

Related: AAI to develop airborne sensors that may enable UAVs to detect and attack submarines and surface warships

The P-8A, itself, has an advanced integrated magnetic anomaly detection (MAD) system from CAE Inc. in Saint-Laurent, Quebec. The P-8A is designed to fly at high altitudes, and having a deployable MAD UAV will enable the aircraft also to take MAD readings close to the ocean's surface.

President's Message continued from page 1

not be a second of boredom. Hang on all, I suspect it's going to be one interesting ride.

For our July and August luncheon/meetings, we are going to take a small break from our routine of presenting a guest speaker. We will of course open the floor to any Member that wishes to express a concern or point of interest to those in attendance.

On a side note, I wish to extend apologies to all those that received multiple (58) copies of our last emailed newsletter. It would seem I have now (somehow) corrected the anomaly, despite not being absolutely sure of what went sideways or how I corrected it. The mystery of the electron continues.

Happy Canada Day to all and from the entire USINNI BoD and myself, may you all have an enjoyable, healthy and safe summer. Keep your sun screen and hats on when enjoying the great outdoors.

Edwin



A Royal Canadian Air Force CF-188 Hornet
Photo: Cpl Manuela Berger, 4 Wing Imaging

Federal officials are hoping to get out the request for proposals on the Canada's future fighter jet procurement project by mid-July.

At this point four aircraft are expected to be considered: two U.S.-built aircraft, the F-35, and the Super Hornet, and two European planes, the Eurofighter Typhoon and the Gripen.

The winning bidder will build 88 jets for Canada, and the first delivery is expected in the mid-2020s with the full capability available in the early 2030s, according to documents produced by the DND.

Canadian warship makes rare patrol through Taiwan Strait

Frigate HMCS Regina transits through Taiwan Strait as tensions between China and Canada rise.

By [Keoni Everington](#)
Taiwan News, Staff Writer

2019/06/19 14:36

TAIPEI (Taiwan News) -- As tensions ratchet up between Ottawa and Beijing, a Canadian warship patrolled through the waters of the Taiwan Strait on Tuesday (June 18). Taiwanese netizens on the online forum PTT first commented about the apparent transit of the Canadian Halifax-class frigate HMCS Regina (FFH 334) and the supply ship MV Asterix through the Taiwan Strait on Tuesday. The website MarineTraffic also tracked the warship as it passed through the Taiwan Strait from the South China



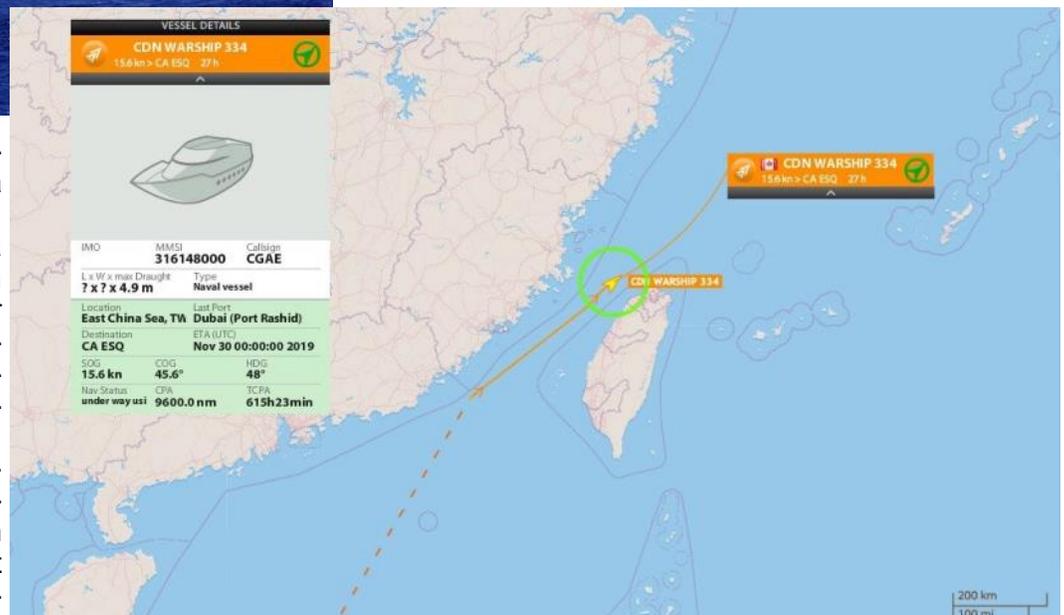
Sea, before heading toward the East China Sea.

The ships are part of a detachment of Canadian warships dispatched for Operation NEON, a mission to ensure UN sanctions against North Korea are being enforced, reported Navy Recognition. The warship's passage from the South China Sea to the East China Sea via the Tai-

wan Strait is also a symbolic gesture to defy China's claim to exclusive ownership of all three bodies of water and ensure freedom of navigation in the region.

The voyage also comes at a time when Canada and China have traded blows over the arrest of Huawei scion Meng Wanzhou and the subsequent retaliatory detentions of Canadians Michael Kovrig and Michael Spavor. News broke last Wednesday (June 12) that Beijing snubbed an attempt by Canadian Prime Minister Justin Trudeau to reach out to China's Prime Minister Li Keqiang to intervene on behalf of the detained Canadians, reported CBC. The most recent previous voyage of a Canadian warship through the Taiwan Strait was in October of last year, when the HMCS Calgary sailed through the strait on a mission to counter North Korean smuggling, reported the Toronto Sun.

Meanwhile, news broke on Tuesday that China has blocked pork imports from a third Canadian company, as the communist country seeks to pressure Canada to release Meng. As such frequent "provocations" by U.S., Canadian, French, and other navies occur in the Taiwan Strait, China is preparing to "internalize" the strait from a legal point of view, reported NewTalk. However, according to a source who spoke with the news site, the leadership in Beijing knows that the possibility of "internalization" gaining international recognition is almost zero, but the main purpose is to use the principle of "conflict-comprise" to "at least" achieve "navigation notices" and to "blur the median line" across the Taiwan Strait.



This month's Luncheon/Meeting will be held at

ROYAL CANADIAN LEGION BRANCH 257

7227 LANTZVILLE ROAD, LANTZVILLE, BC

on

WEDNESDAY, JULY 10TH, 2019

1130 HOURS

\$25.00 per member/person. Guests welcome.

LUNCHEON MEETING ATTENDANCE

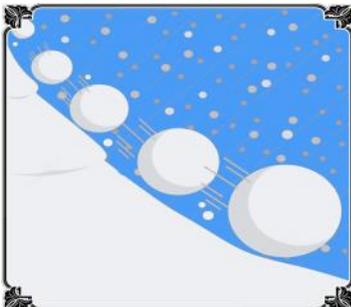
Your telephone contact coordinator will attempt to contact you in the days prior to our monthly luncheon/meeting in order to confirm your attendance. In this manner we can provide attendance numbers to the volunteer kitchen staff at RCL 257 so that they may prepare adequately for our function.

If for some reason she has missed you, please contact her or Edwin at 250-751-2360 or ejpeeters@shaw.ca.

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USINNI SNOWBALL

Congratulations to Al Thompson, winner of May's Luncheon Snowball draw. We start the process all over again and will hold our breath's in anticipation of the jackpot growing. Remember, you can't win if your not signed-in, and you can't sign-in unless you attend the luncheon.