

HMCS Winnipeg returned home Dec. 18 after a four-and-a-half-month deployment on Operations Projection and Neon. It was a solemn return following the loss of MS Duane Earle.

Photo: Corporal (Cpl) Jay Naples, MARPAC Imaging Services, Esquimalt







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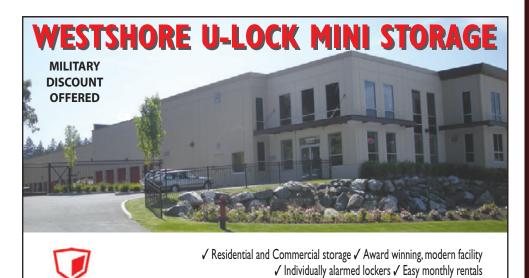


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Vice-Admiral McDonald named next Chief of the Defence Staff

DND

On Dec. 23, Prime Minister Justin Trudeau announced the upcoming appointment of Vice-Admiral Art McDonald, currently Commander of the Royal Canadian Navy, as Chief of the Defence Staff.

Vice-Admiral McDonald will be promoted to the rank of Admiral and replace the current Chief of the Defence Staff, General Jonathan Vance, who will be retiring from the Canadian Armed Forces.

Vice-Admiral McDonald became Commander of the Royal Canadian Navy in June 2019. Before his appointment, he commanded Maritime Forces Pacific /

Joint Task Force Pacific, the Fifth Maritime Operations Group and HMCS Halifax. Through these and other naval roles, he circumnavigated the globe, led sea-based humanitarian and disaster relief operations, and commanded a multinational task group in the High Arctic.

In his new role, Vice-Admiral McDonald will oversee the Canadian Armed Forces' ongoing operations in Canada and around the world, and their contributions to the national response to the COVID-19 pandemic, including support for Canada's vaccine rollout through Operation Vector.

The Prime Minister thanked General Jonathan Vance for his years of distinguished service leading the Canadian Armed Forces. General Vance will continue to serve in his role until the appointment of the new Chief of Defence Staff takes effect at a Change of Command ceremony to be held this week.

"At home and abroad, Canadian Armed Forces members have always answered the call of duty, working day in and day out to keep us and our loved ones safe. Vice-Admiral Art McDonald brings decades

of experience in a variety of command and staff

roles, and I am confident that he will provide dedicated leadership to the Canadian Armed Forces as they continue to respond wherever is needed to protect Canadians and our values," the Prime Minister said in a

Rear-Admiral Craig Baines has been promoted to Vice-Admiral and will replace Admiral McDonald as Commander Royal Canadian Navy following the change of command this week.

press release.



HMCS Halifax departs for six-month Operation Reassurance deployment

Ryan Melanson Trident Newspaper

A new year brought a new mission for the ship's company of *HMCS Halifax*, who left homeport on New Year's Day to join Standing NATO Maritime Group One (SNMG1) as part of a six-month deployment to Operation Reassurance.

The departure marks the 15th consecutive deployment in support of the NATO assurance and deterrence mission in European waters, with Royal Canadian Navy ships maintaining a consistent presence since 2014.

Halifax will operate with its NATO allies in Western and Northern European waters – they're set to conduct an intense program of operational patrols and training exercises, maintaining NATO's presence in key regions while also building on their ability to work in concert with the multinational vessels that make up the SNMG1 task group.

"This is our commitment to our NATO partners that we will continue to work with them, to learn how to better work together, and to assure them Canada will be a committed partner now and into the future," said Cdr

Chris Rochon, *Halifax's* Commanding Officer, while speaking to media prior to departing.

He was backed up at the podium by Cmdre Bradley Peats, who'll be joining the ship in Europe as Canada assumes command of SNMG1 for the duration of the deployment. Cmdre Peats will take over as Commander SNMG1, while *Halifax* will serve as the task group flagship, replacing the Portuguese Navy ship NRP Corte-Real.

It's an exciting time for *Halifax*, but it's also an anxious time for sailors and their families, Cdr Rochon added. The unique nature of this deployment was accentuated by the lack of family members at the jetty for the send-off, with COVID-19 restrictions barring the usual large gathering. The ship has been planning extensively since March, and without downplaying the legitimate worries and risks associated with the pandemic, Cdr Rochon said he's confident his crew will be kept safe and healthy.

"COVID challenged us to adjust our training, technical, and personnel management in ways we would have never imagined. In the face of this challenge, this team has thrived and succeeded."

For the majority of sailors, the biggest change will be the lack of along-side visits through the six-month trip. Getting off ship and exploring foreign ports is typically a big bonus on this type of extended deployment, and has been made impossible due to the global nature of the pandemic. This means spending even more time on board, said PO1 Joyce Farmer, who tried to put a positive spin on the situation.

"We'll be very enclosed, but as a navy family we are going to have to keep ourselves entertained," she said. "We're going to work out, get to know each other, keep in touch with our families, and have a lot of time to ourselves."

Halifax will join their SNMG1 allies in the coming days, and Canada will officially assume command of the task group following a ceremony in Lisbon, Portugal, on Jan.18.



S1 Joannie Auclair, left, and PO1 Joyce Farmer, both members of HMCS Halifax's ship's company, show some love before leaving the jetty.

Mona Ghiz, MARLANT PA



Families and friends watch from the Halifax waterfront as HMCS Halifax departs on Jan. 1 for a six-month deployment on Operation Reassurance.

Photo by Halifax & Region MFRC

Want to know what your Base Commander is up to?



Follow Captain (N) Sam Sader @MayorCFBEsq and visit facebook.com/EsquimaltBase/











We wish all military members

past and present, a joyous holiday season.

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沈 WHO WE ARE

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WHAT SAY WE

MESSAGE FROM THE CHIEF OF THE DEFENCE STAFF

Upcoming appointment of the new Chief of the Defence Staff



would like to offer my heartfelt congratulations to Vice-Admiral Art McDonald on his upcoming appointment to succeed me as your Chief of the Defence Staff.

Vice-Admiral McDonald is an excellent leader who will continue to lead the men and women of the Canadian Armed Forces with distinction.

I know he will enjoy the support of all Defence Team members across the organization.

Over the next several days, we will set the timeline and process of transferring the responsibilities of my office to Vice-Admiral McDonald. Though we remain in a COVID environment, details for a change of command ceremony will be communicated in due course.

It has been my great honour to serve Canada and Canadians, the men and women in uniform and your families. I am proud of what we have accomplished together over the last five years. I will proudly continue to serve until I have transferred my duties to Vice-Admiral McDonald.

General J.H. Vance









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New and creative ways of combating life under COVID-19 unfolded in 2020 with physically distanced and virtual change of command and appointment ceremonies, promotions and graduations, working from home, PPE, self-isolated social bubbles, and 'staycations', which have all become the new normal.



Vice-Admiral Art McDonald, Commander of the Royal Canadian Navy, and Chief Petty Officer First Class David Steeves, Chief Petty Officer of the Navy, give a thumbs up at the laying of the keel ceremony for the future HMCS Protecteur, the first of two Joint Supply Ships. Photo by Lt(N) Bradley Spencer

JANUARY

- Changes to the Canadian Armed Forces (CAF) honours and awards system are announced in an effort to ensure military members' service is recognized in a timelier and appropriate manner. The initiative includes modernization of the overseas service recognition framework.
- Keel-laying ceremony held in Vancouver for future HMCS Protecteur, the first of two Joint Supply Ships (JSS) being built in Vancouver shipyards.
- New Zealand Defence Minister Ron Mark is greeted by Mãori La-la-la dancers during his visit to Maritime Forces Pacific (MARPAC).

FEBRUARY

■ The Royal Canadian Navy's Digital Initiative is rolled out in an effort to innovate with more agility in the digital domain.

- During a Family Day ceremony at the Legislative Assembly. Lieutenant Governor Janet Austin presented peacekeeping medals to members of HMCS Terra Nova for their peacekeeping mission in Vietnam in
- Motivational speaker and Stanley Cup winner Theoren Fleury delivered a presentation on relational trauma to a capacity crowd at the Chiefs' and Petty Officers' Mess.
- The Esquimalt men's basketball team captured gold medal in CAF Canada West regional basketball tournament in Shilo, MB; Esquimalt women won silver.
- More than 850 military members, defence employees, and 130 vendors took part in the MARPAC Health and Wellness Expo at the Naden Athletic

MARCH

- Esquimalt Panago Pizza store owner Jason Gray continued his mouth-watering way of saying thanks to military and civilian employees at the base by delivering 165 free pizzas to employees at Fleet Maintenance Facility Cape Breton.
- COVID-19 physical distancing measures were enacted across the CAF in accordance with provincial health guidelines. They included a dispersed posture and the requirement of all employees and military members not physically required to conduct core services to work from home. The global pandemic would also see the cancellation and postponement of numerous activities on the base social calendar and the emergence of several virtual events.
- HMC Ships Regina, Calgary and Brandon and two Orca-class Patrol Craft Training vessels took part in Task Group Exercise (TGEX) 20-1 off the coast of Vancouver Island and Operation Laser, the CAF pandemic response.
- Lieutenant-General Mike Rouleau was named the new Vice Chief of the Defence Staff as part of the 2020 CAF General and Flag Officer senior appointments, promotions, and retirements.

APRIL

- HMC Ships Nanaimo and Whitehorse returned from deployment on Operation Caribbe, as part of the ongoing multi-national campaign against the illicit drug trade.
- Military Family Resource Centre Esquimalt organized the delivery of care packages to sailors aboard HMC Ships Calgary, Regina and Brandon, deployed off Vancouver Island.
- Approximately 1,500 medical technicians and general purpose soldiers from across the CAF began domestic deployments to 54 nursing homes in Quebec and Ontario in response to COVID-19 outbreaks as part of Operation Laser.
- Royal Canadian Air Force CH-148 Cyclone helicopter deployed in HMCS Fredericton for Operation Reassurance crashed off the coast of Greece killing all six service members aboard.

MAY

- With most in-person ceremonies and gatherings cancelled, Base Commander, Capt(N) Sam Sader attended Esquimalt's memorial cairn by himself to lay a wreath for Second World War ship HMCS Esquimalt.
- A tearful message of hope from the family of Air Force Public Relations Officer Captain Jennifer Casey to the Defence Team was conveyed. Capt Casey was killed May 17 after the Snowbird plane she was in crashed into a residential neighbourhood in Kamloops during a national tour.
- Members of multiple units and ships at the base sprung into action and produced thousands of non-medical face coverings necessary for the safe return to work and to reduce the transmission of COVID-19.

JUNE

- The commander of the Canadian Air Division lifted an operational pause on the CH-148 Cyclone maritime helicopter following the fatal crash off the coast of Greece and months-long risk assessment.
- Training and coursing resumed with a gradual phased re-opening of the Naval Personnel Training Group's Naval Training System. Exercises for Clearance Divers and Clearance Diver Officer students were some of the first to resume coursing since the nationwide shutdown in March.
- A team of cyclists completed a tribute ride for military charity Boomer's Legacy on Vancouver Island following the cancellation of the charity's annual fundraising bike ride due to the COVID-19 pandemic.

JULY

- The Royal Canadian Navy marked a significant milestone in its shipbuilding program with the delivery of the first Arctic and Offshore Patrol Ship (AOPS) to CFB Halifax Dockyard.
- CPO1 Alden Darragh replaced CPO1 Ian Kelly as Base Chief in a Change of Appointment ceremony at the Chiefs' and Petty Officers' Mess.
- The Canadian Armed Forces released a new policy framework in the form of a Defence Administrative Order and Directive (DAOD), upholding the Canadian Human Rights Act. It addresses harassment, violence, discrimination, and hateful conduct within the institution.
- Following the cancellation of Seafair 2020 in Seattle, sailors from HMCS Calgary, HMCS Toronto and new Artic Patrol Ship Harry DeWolf offered virtual tours of their ships to online visitors in Virtual Fleet Week event organized by the United States Coast Guard.
- The Canadian Forces Sailing Association celebrated as former member and retired CAF platoon commander Bert Hart became the first North American to complete a solo, non-stop circumnavigation of the globe in his 44' sailboat.

AUGUST

- HMCS Winnipeg set sail from Esquimalt to join HMCS Calgary as part of Canada's maritime task group at Exercise Rim of the Pacific [RIMPAC] 2020 off Hawaii. Both vessels were augmented with Cyclone air detachments from 443 Maritime Helicopter Squadron.
- Following a survey of 18,000 respondents, the navy chose a new rank designation for its junior ranks that resulted in more gender-neutral terms. They are: Sailor Third Class (formerly Ordinary Seaman), Sailor Second Class (formerly Able Seaman) Sailor First Class (formerly Leading Seaman) and Master Sailor (formerly Master Seaman).
- The RCN announced its sixth AOPS will be named in honour of Lieutenant Robert Hampton Gray, a courageous Canadian naval hero of the Second World War who was posthumously awarded the Victoria Cross.

- Sailors of Naval Fleet School Pacific (NFS(P)) surpassed the 10,000 milestone in the manufacturing of nonmedical masks that were distributed to approximately 1,100 Esquimaltbased students, instructors, and staff.
- Members of HMCS Whitehorse and a Canadian Coast Guard Rescue Specialist rescued two civilian sailors and their dogs during a fierce storm off the northwest coast of Vancouver

SEPTEMBER

- The Honourable Janet Austin B.C.'s Lieutenant Governor, visited Base Logistics stores building in dockyard to be fitted for her new Honorary Captain (Navy) uniform for reserve unit HMCS Malahat.
- The show went on for Formation Fun Day with a physically distanced drive-thru event in the Canteen Road parking lot. More than 120 members of the defence community enjoyed free food and entertainment.
- Submarine HMCS Victoria returned to sea for the first time in five years, participating in sea trials with a CH-148 Cyclone off Esquimalt.
- The National Defence Workplace Charitable Campaign rolled out with the aim to collect most donations online by e-pledge.

OCTOBER

- Captain Michael Smith, Esquimalt MPU, rolled into Victoria in the final leg of the Tour de Rock annual benefit bike ride across Vancouver Island. This year's 19-person team of police and first responder riders raised \$600,000 for children with cancer.
- The West Coast's first group of de-centralized Basic Military Qualification (BMQ) recruits graduated in a ceremony at Work Point's Nixon building after spending 10 weeks inside a restricted-access
- A busy month for *HMCS Winnipeg* as it participated in Keen Sword alongside the navies of the United States, Australia, and Japan while also taking part in Operation Neon, Canada's contribution to support the

- implementation of United Nations Security Council sanctions imposed against North Korea
- Following the cancellation of this year's Invictus Games in The Hague, Soldier On programs got back into gear with regional sports camps in golf and cycling held in Victoria.

NOVEMBER

- A new digital health care application called 'REACT' was launched in Esquimalt by Canadian Forces Health Care Services (Pacific).
- HMCS Vancouver entered the final phase of a two-year work period when it was returned to Esquimalt Harbour following an extensive refit by Seaspan's Victoria Shipyards.
- The CAF launched a new sexual misconduct response policy The Path to Dignity and Respect: The CAF Sexual Misconduct Response Strategy.
- Scaled-back and physically-distanced Remembrance Day ceremonies went ahead at cenotaphs with live streaming. HMCS Saskatoon, HMCS Brandon and Ocra-class Patrol Training Craft Training Vessels participated in a commemorative sail-past of Victoria.

DECEMBER

- Joint multinational naval exercise Trident Fury 20 continued off the coast of Vancouver Island involving multiple navy vessels and units, 442 Maritime Helicopter Squadron, U.S. Navy vessels, and U.S. Coast Guard
- The RCN mourned the loss of MS Duane Earle who is believed to have fallen overboard from HMCS Winnipeg off the California coast while en route home.
- The Naden Band of the Royal Canadian Navy continued their traditional Christmas concert despite the pandemic. Their Salvation Army benefit was pre-recorded and then broadcasted live on local television station CHEK.
- The RCN announced Vice-Admiral Art McDonald will become Chief of Defence Staff in 2021 following the retirement of General Jonathan Vance.

Photo: Corporal (Cpl) Jay Naples, MARPAC Imaging Services, Esquimals



In 2020, the Canadian

Armed Forces tragically lost

several members of the

Defence family working on

exercises or operations.

We honour and remember

their service and sacrifice.

On April 29, 2020, six members of the Canadian

Armed Forces were killed when a Royal Canadian

Air Force CH-148 Cyclone helicopter crashed while

conducting maritime surveillance operations. The

helicopter was deployed with HMCS Fredericton

under Operation Reassurance as part of the Standing

Captain Maxime Miron-Morin, **Air Combat Systems Officer**

■ The Crash of Stalker 22

the lives of:



Sub-Lieutenant Abbigail Cowbrough, **Maritime Systems Engineering Officer**



Sub-Lieutenant Matthew Pyke, **Naval Warfare** Officer



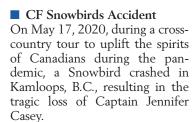
Master Corporal Matthew Cousins, Airborne Electronic **Sensor Operator**

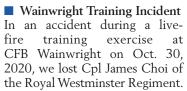


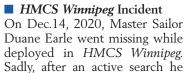
Captain Kevin Hagen, Pilot



Captain Brenden Ian MacDonald,



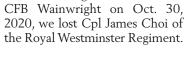




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WELL-KNOWN TRIDENT EMPLOYEE SAYS

goodbye to the editors chair

Margaret Conway CFB Halifax Base **Public Affairs Officer**

Virginia Beaton, editor of CFB Halifax's *Trident* newspaper, has retired.

She began working as an assistant editor and reporter for the Trident in 2002, and then moved into the primary editor role in 2009.

She began her working career as a classical musician after receiving both bachelor's and master's degrees in music. She played flute in pit orchestras, on radio programmes, on track recordings for film, and anywhere else her services were in demand

When on a job with CBC, a staff member asked her if she'd done any writing/ later, she has no regrets, notbroadcasting. She had ing the pride she feels doing not, aside from all of the research and writing she'd done as part of her master's degree but was interested in giving it a try.

This leap of faith led to a 10-year career as a freelance writer.

"It paid well, and you could do it on your own time," she said, noting that was an important aspect of the job since she had a child at home.

In 2002, she was made aware of an opening at the Trident Newspaper office. She knew nothing about the Canadian Armed Forces or the Royal Canadian Navy but was willing to take her chances. Eighteen years

this work.

"My father was in the RCMP when he was a young man. Although he passed away before I took the job with the *Trident*, I think he would have been proud of me."

After an incredible run at the helm of the Trident. she retired at the end of December.

The accolades and farewells were quick to flow in.

This testimonial from a dear friend and fellow Defence Team member Mike Bonin sums it up nicely: "I remember the challenges you faced square on and how you adapted and overcame them. Situations

like staff reductions, budget cuts, personal and family tragedies, changing printers, adapting to new formats, creating a new look and feel, [or] going digital in spite of IT restrictions did not deter your determination or resolve. Not only did you survive, you thrived. You showed us that a newspaper is more than paper and ink. You encouraged people to

submit articles and photos, making the paper be not just a part of PSP, but in fact, an extension of the military and civilians who work in this area. You showed us your warm friendship and concern for other people's lives and families. You created a vehicle to tell the navy's story and along the way, you produced a paper that won streams of acco-

lades and national awards!" Retirement won't keep her idle.

"You have to keep learning. You have to accept that you can't stay where you are. You have to keep changing, and if you can do that and keep a positive attitude, that can lead you to a really good, productive life with a lot of opportunity to do worthwhile things."



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DRDC SETS AMAZE-ING GOAL TO

Reduce Greenhouse Gas Emissions

IN ARCTIC FACILITIES

DND

A team of researchers is aiming to make Arctic facilities more sustainable through the Defence Research and Development Canada (DRDC)-led project, Advanced Microgrids towards Arctic Zero Emissions (AMAZE).

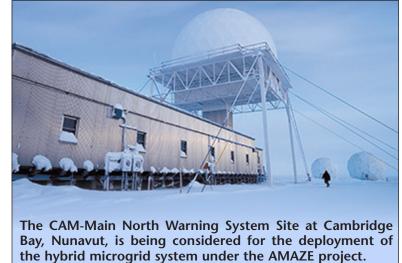
Defence buildings and assets in Canada's far north, including the North Warning System, use significant amounts of fuel for electricity and heating because of their remote locations and extreme cold conditions.

"This project, while targeting reduced fossil fuel use and greenhouse gas reductions, is also about maintaining or improving DND operations," says Dr. Gisele Amow, lead defence scientist. "Every litre of fuel that is not used is one litre of fuel that does not produce greenhouse gases or have to be flown, resulting in significant cost savings and yearly flight rates."

Key collaborators on the AMAZE project include DND's Assistant Deputy Minister Infrastructure and Environment, the Natural Resources Canada (NRCan)

CanmetENERGY Varennes laboratory, and the National Research Council Canada (NRC).

AMAZE builds on previous DRDC-led Arctic work with NRCan CanmetENERGY at CFS Alert, where roughly 1.8 million litres of fuel is consumed annually at its main power plant. Since fuel is delivered by heavy lift aircraft, it takes seven litres of fuel to deliver one litre of fuel to the site. The study identified energy savings, such as switching to LED lighting and building upgrades, that could save up to



37 per cent annual fuel use.

The AMAZE team aims to reduce greenhouse gases at North Warning System sites by developing hybrid microgrid systems that use multiple energy resources with advanced controls adapted for the north. Advanced microgrid control will provide intelligent load control and management of energy resources, whether the hybrid system is standalone or connected to

This project may include solar photovoltaics and more efficient fuel-based technologies such as variable speed generators, energy storage, and thermal energy management strategies. Variable speed generators improve efficiency because they change frequency to match power demand. Thermal energy management involves recovering waste heat from power generators to warm buildings or heat hot water.

CanmetENERGY will develop a simulation software tool to identify the best combination of technologies to use in Arctic locations where diesel generators are commonly used. As well, a microgrid test facility developed by the NRC will enable testing of individual technologies with advanced microgrid controls. The outcomes of AMAZE will also benefit other government facilities and remote civilian communities in the far north in reducing greenhouse gases.

Development and testing of the microgrid system will continue in 2021 with the goal to deploy at a North Warning System site in



PRINCE EDWARD BRANCH #91

A team of researchers is aiming to make Arctic facilities more sustainable with the Defence Research and Development Canada (DRDC)led project, Advanced Microgrids towards Arctic Zero Emissions (AMAZE), which was awarded \$1.65 M over three years from the Greening Government Fund in June 2020.

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Bravo Zui

MARTECH Graduation

Cdr Annick Fortin, Commandant Naval Fleet School Pacific, presented certificates during the graduation ceremony of the Last Legacy Hull Tech HT QL5 on Dec. 7.

Photo by S1 Laflèche, NFS (P)



\$1 Van De Laar receives a Certificate of Completion. \$1 Forbes receives a Certificate of Completion.





\$1 Castonguay receives a Certificate of Completion. \$1 Desbiens receives a Certificate of Completion.





Commandant to students and staff of the class for their outstanding work in designing, producing, and installing safety features throughout the school, helping to combat the pandemic.

A special Bravo Zulu was awarded to MS Varpalotai in recognition of his superior dedication, leadership, and work ethic in leading the design, production, and installation of safety features throughout all divisions critical to the re-opening of NFS(P) during the pandemic.



S1 Hernandez receives The Top Student Award.



\$1 Hernandez receives a Certificate of Completion. \$1 Howe receives a Certificate of Completion.





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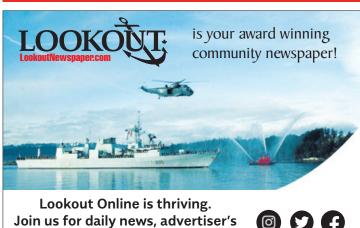
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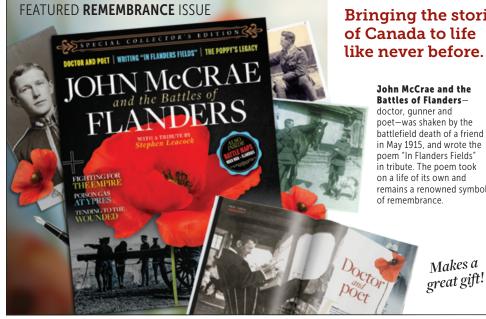
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