

RCEME Journal

75th Anniversary



1944-2019

75th Anniversary





GOVERNMENT HOUSE,
OTTAWA



Office of the Secretary
to the Governor General

3rd April, 1944.

112-5

My dear Mr. Minister,

Referring to your letter of the 16th
ultimo, I wish to inform you that a letter has
been received to-day from the Private Secretary
to the King, informing us that His Majesty is
glad to approve the grant of the designation
"Royal" to the new Corps of Canadian Electrical
and Mechanical Engineers. This information was
communicated to your Private Secretary by telephone
to-day.



Yours sincerely,

L. C. Keenan

Assistant Secretary to the
Governor General.

*Notified M.G.O. by
tel 12445 hrs. today*

OKL
P. O. LISTED
MAY 1944

The Honourable APR 4 1944

The Minister of National Defence,
Ottawa.

108

This letter shows the granting of the Royal designation to the
Corps of Canadian Electrical and Mechanical Engineers on 3 April 1944.

CANADA





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THE JOURNAL OF THE CORPS OF RCEME

Corps Formation:

May 15, 1944

Corps Motto:

Arte et Marte

Corps Patron Saint:

Saint-Jean-de-Bréboeuf

Corps Colonel Cmdt:

BGen (Ret'd) W.J. Brewer,

OMM, CD

Corps Director:

Col N.P.M. Corriveau, CD

Corps Sergeant Major:

CWO J.H. Saunders, MMM, CD



RCEME Journal

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AWARDS AND RECOGNITION

THANK YOU

Published by the Corps of Royal Canadian Electrical and Mechanical Engineers (RCEME) Guild.



Corps of RCEME Director's MESSAGE

By Col N.P.M. Corriveau, CD



Our Force Multiplier for Propulsion – “The RCEME Total Force Approach”

Wow, 75 years of leaving our mark in the annals of the Canadian Armed Forces (CAF) is complete...hope you didn't miss it!

As I wrote in this journal at the beginning of 2019, the RCEME 75th Anniversary celebrations took many forms and activities and was purposely decentralized across Canada to ensure we could all be part of national and

local celebrations together. I say “all” because the RCEME Corps is a “Total Force” comprised of regular force soldier-technicians, reserve force soldier-technicians and our veterans. This is what gives us strength; that synergy, that mutual respect and that understanding of our respective realities that coalesce into one voice, one effect. This is the underlying constant in our Corps “DNA” that needs to be perpetuated for the future.

As we focus our attention on new horizons, we need to be cognizant of what we have achieved so we continue to build upon the strong foundation. As we focus on the next tactical bound of our Corps' life and campaign... of course taking the next few months to consolidate after this successful 75th Anniversary operation, we can clearly see that our next *bill* is to *seize RCEME 100th*. Yes, we have 25 more years until our next tactical bound brings us to 2044. Yes, we will have different strategic realities through time that we will continue to work through. But let us not be too distracted; let's keep focused on the future. To this end, I implore the next generation of RCEME soldier-technicians, veterans and leaders to maintain this focus, perpetuate our strong work ethic, our strong resilience as we continuously adapt to adversity and change. You will carry us forward to the next bound.

I would also ask, as we march forward in time, that you do your part in keeping the country secure; support our comrades in arms who are the spearhead in any future fight armed with new technology and equipment. Most importantly, immerse yourself in our collective Corps history and take pride because you will be like us in years to come— the old guard— and expected to perpetuate this fine Corps that is RCEME to future generations.

Be proud. Be a soldier-technician to the fullest. Embrace our grand profession of arms throughout your life. Continue to be true to yourself and bring incredible value to our distinct and exceptional institution.

As Director, it is clear to me that being part of our Corps, and in particular soldiering with you, is an incredible honour.

Finally, I wish to highlight that the RCEME 75th was hard work undertaken by people at all levels. Our success stems from the testament that our pride and “get it done” attitude have persisted since our inception. Bravo-Zulu to all.

ARTE & MARTE

Corps of RCEME Sergeant Major's MESSAGE

By CWO J.H. Saunders,
MMM, CD



To Those Who Follow

As the dust settles on what can only be described as a remarkable year in the history of the Corps of RCEME, it might surprise some that, although low-key, there are already growing discussions about the 100th anniversary and how we want to mark our centennial year. The old adage of “fail to plan, plan to fail” clearly still resonates within the Corps, so what can we expect for our engineers and technicians moving

forward? When measured against the span of human history 25 years is merely a moment, a snapshot, but for our “young” Corps it represents a significant portion of our life and the next 25 years will undoubtedly see you play an important role.

Given that the past informs the future, it is worth a moment of reflection. Looking back over the first 75 years of our existence as a Corps, it is incredible how much has changed from a technological perspective and how adaptive we have been in keeping up with that technology. To put things into perspective, the Canadian Army never became fully mechanized until the mid-1930s, less than a decade before the Corps was formed! Today, we have vehicles that can inform us of what ails them, unmanned aerial vehicles that survey the battlefield, weapons systems that can drop a shell within a 15 m circle from over 40 km away, and machines that can readily fabricate parts for other machines. It appears yesterday's fantasy is today's reality – a reality which continues to be inextricably linked to our fine officers and technicians who capably support this ever evolving machine.

As the pace of technological change moves along unabated, I have little doubt that the stuff of today's sci-fi novels will

very likely be your future, which raises a number of questions. Will the autonomous battery-powered vehicle mounting a directed energy weapons system dominate the battlefield? Will the system failure module on that vehicle signal the technicians to grab their tools, mount their state of the art MRT vehicle and inform them of what parts to fabricate while in transit to the casualty? Will the MRT vehicle adroitly avoid all threats as it self-navigates to the casualty? How many technicians will crew that MRT Veh and will they represent four, five, or maybe just a single multifaceted trade? One can only guess, but what is not in doubt is that their presence and expertise will continue to be critical.

As an actor within the lethal instrument of government, its “*Ultima Ratio Regum*,” we as a corps will stand ready as we have for the past 75 years, in peace and in conflict, to support the war fighter. Along this path, you as the youth of the corps will be responsible to uphold the Corps' reputation and in turn add to its many laurels. All that now remains is for we “the old guard” to pass the torch to you “the new guard” – confident that the RCEME Corps is in safe hands. Enjoy the journey.

ARTE & MARTE



Corps of RCEME Colonel Commandant's MESSAGE

By BGen (Ret'd)
W.J. Brewer, OMM, CD



Our Continuing Strength “Crafting a Future Together”

As we move through 2020, it is absolutely incredible reflecting on the tremendous celebrations that the Corps of RCEME has had during our 75th Anniversary year. By the time the RCEME Journal is published, 2019 will be in our rear view mirrors, but the memories, Esprit de Corps and the can do attitude that celebrations have generated will drive us forward to an exciting and challenging future.

We are really just around the corner from our 100th Anniversary in 2044. Think about it... only 75 years ago, the Corps stormed the beaches of Normandy with the Allies and has never looked back since. The Corps distinguished itself during the War for all the reasons we are so familiar with today... professionalism, innovating technology on the battlefield, and always finding a way to get things done despite unrelenting pressure and time constraint. We were then a highly motivated “Regiment of many small units”, with our incredible craftsman, senior NCMs, and officers supporting the Allies in a World military confrontation that will never be forgotten. We were, in fact, at that very early stage in the life of our new RCEME Corps “Crafting a Future Together”... a formidable team that has built a tremendous reputation over the last 75 years that is revered in the Army and one of which we can all be justifiably proud.

As we move to the future, our continued success will very much depend on how well our RCEME Total Force (Reg Force, Reserves and retirees) can continue to adapt to meet new challenges, using all the tools we have in that well-used, but ever expanding tool box. For example, we now have a RCEME Guild, with an ever expanding network of “small unit” Light Aid Detachments (LAD) across the country with a main raison d'être of supporting and generating our Esprit de Corps. Our relatively new museum in Kingston will ensure that we never forget that enduring history and legacy which underpins everything that we stand for as the best Corps in the Army. Finally, all of the above will be there to ensure that both our operational units/sub-units, whether part of larger formations or operating as single entities, can continue to deliver to meet a wide variety of complex and difficult missions.

In summary, “Crafting a Future Together” will remain a key strength for us, as will our existence as a “Regiment of many small units”. We all have often heard that strength is in the team, a team bonded by strong leadership, incredible work ethic and an impenetrable belief that there is always a way to solve the most difficult problems. Put another way, Corps teamwork breeds optimism and optimism will always be one of our key force multipliers. RCEME Corps Proud!

ARTE & MARTE

History and Heritage

Corps SM, CWO J.H. Saunders, MMM, CD & RSM RCEME School, CWO J.C.E. Drouin, MMM, CD



The last decade, from a history and heritage point of view, has seen many changes to RCEME that have contributed significantly to restoring our historic links with the Canadian Army. Examples that spring readily to mind are the reinstatement of our historic name “The Corps of Royal Canadian Electrical and Mechanical Engineers” announced by the Minister of National Defence on 19 April 2013¹. More recently, in 2019, we saw the emblazonment of the Corps’ camp flag with the badge and the re-adoption of the Canadian Army blue beret. The change to the camp flag proved to be a great way to mark our 75th anniversary while the blue beret re-created the historical link to our pre-unification days and brought us in line with the other technical corps (RCA, RCCS, C Int C) who proudly enable the Canadian Army.

One may ask, does history and heritage matter? Whether you are responding to a repair and recovery request (RRR) call overseas, repairing equipment in a workshop on a base in Canada, or making critical decisions on how best to support a future fleet as part of a procurement project, we certainly do not go to work every day with history and heritage in the forefront of our minds. But according to the Director of History and Heritage website: “History is a master art, integrating all fields of knowledge to yield understanding of its chosen subjects. Tradition is a set of beliefs and attitudes which guide behavior. Heritage encompasses both, using the past to build for the future.”² From this it can be deduced that knowing and promoting our history and heritage and exercising our traditions

shape our culture and foster our Esprit de Corps. These things enhance how and possibly how well we do what we do. Additionally, and very importantly, they also form an unbreakable generational bond.

The royal designation, granted by the sovereign, is a good example of something that transcends generations of RCEME officers and technicians. It was originally bestowed by King George V upon the different Corps, from which RCEME was born, for their outstanding service during World War I³ (*example the Canadian Ordnance Corps became the Royal Canadian Ordnance Corps*). Then when it came time to name the new Corps of Canadian Electrical and Mechanical Engineers in 1944, King George VI conferred the same royal designation on the Corps that was already performing meritorious service across the globe. The restoration of the royal designation in 2013 once again recognized the fine work the Corps performed in Afghanistan, and continues to demonstrate at home and abroad today. There are of course other traditions that demonstrate our enviable Esprit de Corps. For example, the passing of the port and our enthusiastic singing of the Corps’ march past Lillibullero and *Auprès de ma Blonde* certainly add bravado and flair to any mess dinner, warming our hearts while possibly (probably!) assaulting the ears of non-RCEME diners. So yes it can be argued that history and heritage matter quite a bit!

TIME CAPSULE

On 7 November 2019, the Royal Canadian Electrical and Mechanical Engineers (RCEME) School held the

Corps of RCEME 75th Anniversary Time Capsule Internment Ceremony. This ceremony represented the final chapter of the 75th Anniversary of the Corps. The RCEME School was fortunate to be able to celebrate this event with Director RCEME Colonel Martin Corriveau, the Corps RCEME Sergeant Major, Chief Warrant Officer Jeffrey Saunders, and the Corps of RCEME Colonel Commandant, Brigadier-General (Retired) Bill Brewer.

This event brought together RCEME technicians and their families from across Canada and nearly every Division contributed items into the ammunition cans for the time capsule. Sealed in the time capsule are mementos from across the country commemorating the first 75 years of Canada’s Craftsmen. These objects capture significant events that occurred over the last 25 years. Since the last time capsule was buried in 1994, the Corps of RCEME has adopted a new flag, as well as the wearing of the blue beret.

The design of this time capsule was based upon the RCEME gates in Kingston, Ontario. The flag pole located next to the time capsule will fly the RCEME pennants. This time capsule was built not only by the experienced technicians of the RCEME School but also by the junior RCEME apprentices who are the technicians of the future.

It is expected during the 76th Anniversary of the Corps of RCEME, the time capsule will be officially sealed with a stone cover and engraved with the RCEME crest. The time capsule will be opened in 2069 during the 125th Anniversary of the Corps of RCEME.

1. Director RCEME Communique No 01/2013 The Royal Designation.
2. Military Personnel Command Website <http://cmp-cpm.mil.ca/en/honours-history/history-heritage.page>.
3. Murray Johnston, Col, Canada’s Craftsman at 50 Ch 1 page 23.



A Dinner Worth REMEMBERING

By Corps SM, CWO J.H. Saunders, MMM, CD

One of the most memorable events during the 75th celebrations was the annual National Capital Region (NCR) Bluebell Mess Dinner. On this momentous occasion, the Officers' and NCMs' mess dinners were combined, as they had been on special occasions in the past, and the result was a remarkable event honouring our history and legacy over the last 75 years. What was truly unique and still talked about months later was the venue, the Canadian War Museum.

It would be difficult to find a better place to sit down and break bread with friends and colleagues to celebrate our 75 years of service to Canada. Situated in the LeBreton Gallery, diners were surrounded by the vehicles and equipment that generations of RCEME had maintained in running order during periods of conflict and peace. Some equipment had strong connections to RCEME such as the World War II Diamond T Wrecker and the Sherman Tank hull cutaway that was modified by 202 Workshop for training vehicle technicians. There are other pieces of equipment that demonstrated our innovation like the Land Mattress Rocket Launching system whose prototype was constructed with help from RCEME technicians, and the



more contemporary Cougar Armoured Vehicle General Purpose (AVGP) with the exhaust heat shield to protect the add-on armour covering from catching fire (developed during the deployments to Bosnia).

Our Guest of Honour VCDS LGen Wynnyk had many kind words for the assembled diners, reinforcing the value that the Corps brings to the CAF. Our Senior Serving Member, MGen (Ret'd) Nicolas Eldaoud, always an impassioned orator, spoke about all that we have become as a Corps and what more we can accomplish in the future. The audience made up of the RRR community (Regular, Reserve and Retirees) mingled with invited guests from industry. All in attendance had a grand old time reminiscing, telling

stories (that were mostly true) and even singing an old RCEME song that amused all. We also took a moment to recognize our Korea veterans and the "original" RCEME veteran in our midst CWO (Ret'd) Tom Thompson. His presence at the dinner was truly an honour.

No dinner is executed without great effort, planning and the occasional surprise. For all those involved in bringing this dinner to a successful end, your efforts are greatly appreciated. To the guests, and particularly those who traveled from far and wide, it was truly great to have you with us. And lastly, a special thanks to the PMC, Maj Alex Braden and the Vice PMC, MWO Sylvain Brideau, for pulling off a dinner worth remembering. ARTE & MARTE (and of course party).

“ON GUARD”

By Corps SM, CWO J.H. Saunders, MMM, CD

One of the greatest successes of the Corps' 75th celebrations, that will undoubtedly impart lasting memories for Corps members who participated, was the decentralized approach of activities. This enabled each region to host “national” style events such as balls, parades and RCEME Day celebrations. This was a deliberate scheme of manoeuvre born out of the 50th celebrations after-action points to ensure maximum participation of Corps members in all corners of the country. Although it was impossible to guarantee everyone could disengage from essential tasks and participate, it was the clear intent of planners to achieve a broader reach than ever before. In all cases but two, this was achieved.

The first situation that impacted the 75th was unforeseen cancellation of a key national event, the Patrol Competition in the RCEME School Borden. Severe flooding in Quebec and Ontario plus the fires raging in British Columbia meant that any celebratory activity became a distant second priority. When duty calls, in this case Op

LENTUS, we respond full stop! The second case that impacted participation in celebratory events was more deliberate. Contrary to our intent to maximize participation, we did ask some soldiers to forgo home station celebrations and other activities because we, the Corps had another more important need to fulfil, one that is probably among the most important duties in the nation – guarding the Tomb of the Unknown Soldier.

Between April and June 2019 RCEME soldier-technicians from all regions – regular force and reserve – stood guard over this most iconic symbol of service and sacrifice. With the National War Memorial as a backdrop, the guards, part of the National Sentry Program, patrolled back and forth under the watchful eye of the public and the gaze of 22 bronze figures that represent the different branches of the service that responded to the nation's call during the First World War. With impeccable dress, drill and deportment, these soldier-technicians sacrificed much to carry out this duty. This was most

apparent on the 15 May when the guards composition was entirely RCEME. Given the popularity of the monument as a tourist attraction, members of the Corps engaged the general public in their down time as sentries and as always represented the Corps in the most positive light.

Although we wrapped up our participation in the National Sentry Program at the end of June, the RCEME Corps still had one last duty to perform on November 11th at the National War Memorial. It was the privilege of the Corps to not only provide the Parade Commander, LCol Robin Chenard, and the Parade Sgt Maj, CWO Jimmy Cote, the Canadian Army marching contingent was all RCEME. I can say without hesitation that the Director and I were filled with pride watching our troops perform such an important role on that most important of days. To all those who participated in the National Sentry Program and the national memorial parade, we want to extend our deepest gratitude.

ARTE & MARTE





Roadmap of 75TH ANNIVERSARY EVENTS

ARMY BALL
13 April 2019
NCR

SCRAP METAL CHALLENGE
15 May 2019
2 Div



HOME STATION PARADE
15 May 2019
RCEME School & Elsewhere

RCEME DAY
15 May 2019



75TH MIXED BALL
15 May 2019
RCEME School



CWM 75TH MIXED BALL
23 May 2019
NCR

EX MASTER MAINTAINER
7 June 2019
4 Div



NATIONAL MEMORIAL SENTRY PROGRAM (War Memorial)

11 November 2019 | NCR



TIME CAPSULE

7 November 2019
RCEME School



EX MOUNTAIN MAINTAINER – GROS MORNE NATIONAL PARK (Adventure Training)

16-23 September 2019
5 Div



ARMY RUN

22 September 2019
NCR



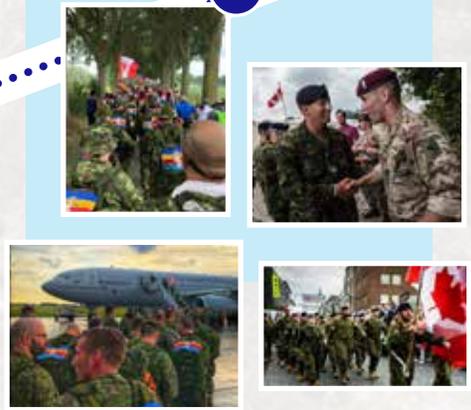
EX ARTE ET MARTE 19 (Recovery and MRT Exercise)

9-13 September 2019
3 Div



NIJMEGEN

16-19 July 2019
NCR



HALIFAX TATTOO – JIFFY JEEP

July 2019
5 Div





Thinking about the future of the Corps – thinking about **MAINTENANCE 2.0**

By MGen (Ret'd) N. Eldaoud, MSC, CD

(A fully developed paper on this subject is available at DLEPS 4)

The creation of the structural elements of an army is normally done in preparation for a conflict or when the war is over. However, the Corps of RCEME saw its birth in early 1944, during the Second World War, while in the midst of the Italian campaign and barely three months before the historical Normandy landings. The experience of months of combat had shown that the soldier alone could no longer fight without the support of increasingly complex weapon systems; thus, a corps of professionals was becoming essential in order to understand how they worked and how to keep them operational. The creation of the Corps of RCEME during the war was the result of growing operational expectations in the face of technologically more complex weapons systems.

The RCEME Corps has reason to be proud of its 75 years of history. The members' reputation and professionalism, built over the decades, is enviable. The anecdotes coming from operators concerning the exploits of technician soldiers and engineers working successfully in the worst conditions and circumstances are frequent and numerous. However, the success of the mission of the RCEME Corps can't be assured by the competence of its members alone. The conditions in which they operate must also contribute to this success. These conditions are established by the policies, directives, procedures,

practices and methods implemented by the Land Equipment Management System (LEMS), better known tactically as the "maintenance system". When you look at it objectively, you have to admit that maintenance has changed very little over the past 50 years – that is since unification. We have followed the technology, but we have not really transformed the method by which maintenance contributes to the operational success of today's land operations. As professionals, we need to take a critical look at RCEME operations and ensure that maintenance remains relevant to the challenges of the next 25 years. We must engage in the critical thought process and use our creativity in order to set up the new basis of an environment where maintenance is perfectly adapted to the realities of the land forces – and to the technologies of tomorrow. We have to imagine Maintenance 2.0.

The Army's capstone operating concept *Close Engagement*, published in 2019, represents the essential starting point for the design of Maintenance 2.0. It sets out the essential operational factors concerning the role of tomorrow's equipment. *Close Engagement* dictates that land-based operational equipment must be adaptable, modular, autonomous and more durable. Equipment must adjust to rapidly-changing situations and be reconfigurable. On a purely technical level, the technology of tomorrow will be more integrated and will



not align with our current trade structures (vehicle, armament, electronics/optronics and materials). The equipment will be intelligent and the boundaries between physical objects, computer systems and the virtual environment will merge. Weapon systems will reach new heights of integration with the introduction of soldier-enhancing technologies. At the same time, more technologies will operate without operators and be autonomous. The importance of energy sources and power storage for tomorrow's energy-consuming equipment must be seriously considered. Ammunition will be less a question of size of explosives than an issue of complexity of the integrated guidance systems. The weapon systems of tomorrow will have

more capability, but will cost more – limiting the quantity in inventory and strengthening the operational importance of each. From that understanding, the Army will experience the same challenges faced by the Navy and Air Force and must study its maintenance models carefully. Finally, communications technology will become increasingly essential and Maintenance 2.0 must exploit it totally in order to reach its full potential.

The RCEME Corps must therefore seize the opportunity to change course and evolve. It is with this mindset that I submit four proposals to help design and build Maintenance 2.0; a new concept on how tactical land maintenance must be performed to support land operations. In short, Maintenance 2.0 is the decentralization of land equipment engineering at the lowest level in order to allow for more flexibility, freedom of action and adaptability of land equipment with a view to allowing tactical commanders to exploit the full technological capabilities of their equipment. The propositions are:

- **Modernize the role and responsibilities of land maintenance.** Within the operational objectives of *Close Engagement*, Maintenance 2.0 must provide tactical commanders the agility, flexibility and ability to rapidly change when it comes to equipment. It must assume responsibilities beyond “fixing the VOR”. Maintenance 2.0 adds two new responsibilities, which are : (1) “preparing for battle” to include modifications, adjustments and customization of equipment to support rapid changes, and (2) “optimizing for the fight” which provides real-time

monitoring of equipment during combat as well as the ability to adjust equipment directly or remotely. The Navy and Air Force are already well advanced in these areas.

- **Expand the technical skills of RCEME engineers and technicians.** Officers and technicians of all trades must be invested in understanding the fields of electronics, digitalization, automation, and artificial intelligence/augmented intelligence. The Corps must be involved in the field of energies, including new and emerging energies such as new fuels and electricity generators and accumulators. These new technical aptitudes will empower RCEME leaders to present unsuspected technical alternatives to their commanders.
- **Allow the evolution of land maintenance toward the Navy and Air Force models.** Maintenance 2.0 must increase the doctrinal proximity of maintainers with the combat operators while dissociating them from the environment of logistics. It must create a strong vertical alignment between tactical maintenance and highest technical bodies at a strategic level to enable robust reach-back support and the delegations of technical authorities. Maintenance 2.0 must operate in the exclusive domain of land operational equipment.
- **Extract tactical maintenance from the elements of CSS.** Maintenance 2.0 must exist outside the CSS realm. If a new

doctrinal domain is required, create “Combat Equipment Engineering Support (CEES)”. In doing so, Maintenance 2.0 will be able to develop and evolve without the constraint of CSS/Logistics practises and assumptions. This will allow honest analysis on how Maintenance 2.0 can be better commanded, structured, planned and executed to enable enhanced support to land operations.

Unlike 1944, land forces do not just have “expectations” of their equipment – they depend on it. The RCEME Corps must be on the front lines to help empower the Army and land operations to achieve their ambitions when it comes to equipment and technology. Beyond the argument for a new Maintenance 2.0, the aim of this short article is to initiate discussion and encourage questioning. We have to take advantage of the extraordinary intellectual and creative potential possessed by RCEME members and their partners. The opportunity is now as *Close Engagement* just got published and a new Army commander just started his mandate. There will never be perfect solutions, so we have to imagine a transformation that allows flexibility, agility and freedom of action and adaptation. It must enable the decentralization of decision-making processes to the lowest level and permit trust and acceptance of risk to exist. The Corps of the RCEME has demonstrated for over 75 years its ability to take on challenges. Rethinking “how we maintain” is just one of them.

ARTE & MARTE



THE INFINITE GAME: The Last 25 Years of RCEME in the Assistant Deputy Minister-Materiel Group

By BGen Rob Dundon,
OMM, CD, DGGLEPM

The Land Equipment Management System (LEMS) exists to maintain the operational capability of all land technical equipment and is intended to focus on the tough part of equipment care: providing reliable equipment support to the warfighter in the most extreme of conditions. It takes a strategic view, and more than a little business acumen, to govern equipment through its entire life cycle. One can observe the timeless role the Corps of the RCEME has been playing in LEMS since Murray Johnson's *Canada's Craftsman at 50!* and in doing so shaping Canadian Armed Forces readiness. Generally speaking, two divisions head this strategic role – with the first being the most experienced and diverse – Director General Land Equipment Program Management (DGGLEPM) and Director General Major Projects Division

(Air & Land) [(DGMPD(A&L)]. Through triumphs and tragedies, the two divisions have been vehicles by which the RCEME Corps culture and heritage have been shaped. Let us re-examine some of the larger yarns of the past 25 years.

Over the last two-and-a-half decades, the scope of ADM(Mat) achievements has been impressive. DGMPD(A&L) has played a large role with the introduction of new equipment that has shaped LEMS through the introduction of the Tactical Armoured Patrol Vehicle, Medium Support Vehicle System Milcots, shelters, and Standard Military Pattern, and soon with Logistics Vehicle Modernization and the Armoured Combat Support Vehicle. DGGLEPM has proven itself one of the country's largest materiel



A view of the past DGGLEPM building.

managers and ranked as one of the largest business units in the Canadian government. Supporting over 740 armoured vehicles, it managed a fleet larger than all United Airlines planes. It shepherded a fleet of wheeled vehicles more numerous than UPS' 20,000 trucks. And, it managed a repair parts inventory comparable to that of Canadian Tire. As governor and steward, DGLEPM tended to this equipment while subjected to the ups and downs of the international political situation and the national economy. But it was in the capital program, via which both divisions deliver equipment, that the most notable effect of these fluctuations showed itself.

In *Charlie Foxtrot: Fixing Defence Procurement in Canada*, Dr. Kim Richard Nossal argued that the severe budget cuts of the early 1990s resulted in a reduction of the number of capital acquisitions, or big equipment purchases, and consequently a lessening of the demand for those specialists who had the know-how to conduct such complex acquisitions. As those specialists retired or moved on, they were simply not replaced and DGLEPM lost something that could not be quantified: some of its expertise in understanding the complexities of warfighting technologies, the ability to cost complicated weapon systems, and a comprehensive understanding the nuances of dealing with the Canadian and international defence industries. To put this in perspective, consider that in the span of six years under the pretense of Operation EXCELERATE, the ADM(Mat) Group had reduced its staff by 50 %. For DGLEPM, in addition to losing countless experienced staff, a lamentable loss was that of the Land

Engineering Test Establishment (LETE), in Blackburn Hamlet just outside Ottawa – the test ramps of which can still be seen from the highway today – in a deal where the LETE facility was transferred to the Royal Canadian Mounted Police in exchange for their Special Emergency Response Team (SERT) training facility on Dwyer Hill Road. This was the general environment into which DGLEPM plunged as it entered the last quarter century.

DGLEPM hobbled along without LETE. The unit had been providing engineering and testing for land-based equipment and without it DGLEPM was challenged to assure that equipment was safe, was fit-for-purpose, and available to the warfighters. Quality Engineering Test Establishment (QETE), a nationally-focused unit that had been increasing its core work to support the land forces, was eventually transferred to DGLEPM in 2009 to fill the void.

Back in 1994, Canada recognized that it had a niche industry for eight-wheeled armoured personnel carriers and, in order to exploit this niche, a commitment was made to invest in our defence industrial base—a commitment that made Canada world leaders in this technology. The Canadian Army, and eventually Australia, New Zealand, and the United States, adopted the Light Armoured Vehicle (LAV). Consequently, the Corps of RCEME became the international experts in the maintenance and engineering of high-performance LAV fleets. This leadership role is likely to be retained for at least another quarter century with the recent LAV 6 deliveries and the soon-to-be-delivered Armoured Combat Support Vehicle starting late this year.

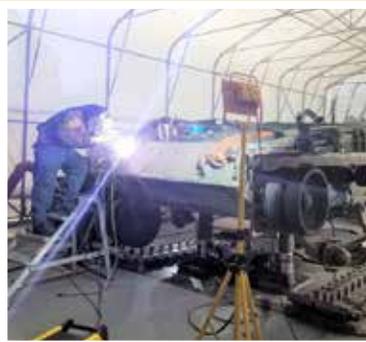
Arguably the next most impactful event in the last 25 years was the fire at 555 Boulevard de la Carrière, the then home of DGLEPM. The loss of the building made everyone realize the efficiencies of being in a single facility where technicians can network, engineers can engage in their esoteric meetings, and executives benefit from serendipitous encounters in the hallways. The loss of this building significantly increased the challenge of supporting fleets of equipment. In dealing with the fire's aftermath, RCEME leadership shone. The soldier-technicians of the Corps were the leaders in getting nearly 1,000 people resettled in 11 buildings across the national capital region, and restoring the capacity of DGLEPM within three months. Even today, the Division is still spread across six buildings, with no possibility of consolidation until 2028-2030.

Character is the sum of our experiences, and both DGLEPM and DGMPD (A&L) have plenty. Like people, the Divisions have had their highs and lows, but have always prevailed. That is because they have to: they are the largest land-focused teams buying materiel like tanks, artillery, trucks, ammunition, food, clothing, and supplies – providing them to the warfighters. Putting military resolve into action starts with these Divisions. The sequence of equipment conception, testing, procurement, maintenance and support, and disposal is an endless cycle – an infinite game – and the Materiel Group's Corps of RCEME members will always be here to realize the well-equipped Canadian Armed Forces – irrespective of the vagaries of that cycle.

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When ARTE Needs To Come Before MARTE

By MWO O. Descheneaux

Canadian Training Assistance Team – Lebanon (CTAT-L) Log Enhancement Mentoring Training Team TECHNICAL SCHOOL – LOGISTICS BRIGADE OF THE LEBANESE ARMED FORCES (LAF)

My 2019/2020 winter deployment with Op IMPACT as part of the CTAT-L in Beirut, Lebanon provided me with the rare opportunity to be embedded within the Lebanese Armed Forces Logistics Brigade at the Technical School. Away from my CSM duties in 1 Service Battalion, my current mother ship, I had the chance to reflect a lot on our own structure and training. I discovered that other armies are facing the same types of challenges that we do in Canada; especially regarding supply, maintenance, and parts procurement, introducing new fleets and establishing sustainment and training.

Training and standardization are both important factors in establishing and maintaining a professional army, especially during our times of ever-evolving technologies. Training is the base where you build the foundation of your expertise. And I truly believe that this expertise is what makes the RCEME Corps unique. This know-how is what differentiates the RCEME Corps from all other branches and Corps of our Army. With reason, we take great pride in our motto: Arte and Marte, “By Skills and by Fighting”. But without these SKILLS we bring as a team to the battlefield, we would only be MARTE and would not be who we are.

When you take a step back to reevaluate everything with a different lens and rethink the entire process building a technician, it becomes challenging and you quickly realize that a

different approach to training is required. Sometimes, you realize that what is often harshly criticized is actually the only viable solution.

While embedded with the Logistics Brigade and their Technical School, our task was to help them develop an organization that currently has a mandate similar to our Language School, CFLTC and the RCEME School. All three of these organizations are contained within three classrooms and managed by seven staff, officers and NCMs included. The majority of their training is delivered by incremental staff, and technical training consists principally of OJT (on-the-job training) within their workshops.

I came to realize how lucky our trades are with the experience and education that has developed over decades – and underpins the Corps we take so much pride in today. The outstanding professionalism and the technical expertise of our predecessors has set us up for success well ahead of others. Despite the fact that we (the Corps) sometimes are our harshest critics, both as technicians and engineers, it is quite refreshing to realize that we do in fact get a lot of things right.

A strong house is built on a good foundation. So is our Corps. It starts with our RCEME Common course; including both field and technical training. This premise is where our Logistics Enhancement team Training MTT has

focused its efforts – on importing and incorporating the concept of our RCEME training. The result, when implemented, will be called “Workshop Foundations” – aimed at providing the right skills to the future LAF technicians and soldiers.

My conclusion is that regardless of the challenges we encounter, I feel confident that our people are more than well-equipped to conquer them. We continue to invest in our people, in our techniques, and in our training. We adjust our methods. We constantly question ourselves and we review our processes – even if sometimes it feels insufficient. This will always improve our skills.

Being offered this opportunity to mentor fellow soldiers from another country – who are truly committed and are aspiring to achieve the highest standards – was inspiring. Undertaking this journey was highly rewarding and satisfying. From all the challenges and tribulations we have faced and conquered, the RCEME Corps has what it takes, and has the trained personnel to stay relevant into the future. We have the right knowledge, the applicable experience and we have trained the right people with the correct leadership abilities to lead not only our own troops but to assist in leading those of other nations while continuing to influence the CAF as a whole.

By Skill and by Fighting.





RCEME in Mali

By MCpl Langlois

As a small RCEME workshop deployed on Operation PRESENCE-Mali, our experience offered some very unique challenges. Working in the African heat and dust, with limited availability of spare parts and no quick means to acquire supplies, made it clear we had to be very inventive in the way we fix and maintain equipment. Despite this, we always managed to overcome barriers and deliver high-quality support to operations. We made this happen by keeping morale high and cooperating with our allies from the Netherlands, Germany, Belgium, and El Salvador.

To honour our team's achievements, we raised the new RCEME flag during our own 75th anniversary celebrations. Even though we have a small footprint, we pulled together to ensure the day turned out to be a success.

No RCEME party would be complete without some fun and games, and this one was no exception. Open to all task force members, we hosted torque wrench challenges as well as back-to-back 9mm and C7 disassembly/reassembly competitions – the best

time was three minutes and 16 seconds. We tried to have a gator race, but that idea was shut down for obvious reasons; however, we did manage to pull off an open non-alcoholic bar and had a special cake flown in from Dakar.

Even though it was a small event led by a small group, all of us will definitely remember this as a special day in RCEME history.



Left to Right: Cpl Garec, Cpl Beaudin, Sgt Laprise, Mcpl Langlois, Mcpl Thoms and Cpl Burns.

75th RCEME Nijmegen

By Maj G. Butcher

75 years ago, in the spring of 1944, the Corps of Royal Canadian Electrical and Mechanical Engineers was formed. That same year marked the start of the Liberation of the Netherlands as the First Canadian Army fought German forces at the Battle of the Scheldt, clearing Northern and Western Netherlands and allowing resupply to reach millions of desperate people. For the 75th anniversary, the Corps was selected to participate in the 103rd Nijmegen Four Days marches. The Canadian Armed Forces (CAF) has been participating in the four-day marches since 1952 as a way to remember the fallen Canadian soldiers who fought so fiercely during the Second World War.

A team of 12 RCEME individuals from across Canada, comprised of all ranks and trades, was selected to represent RCEME at the Nijmegen Marches. RCEME marchers were selected from each of the Divisional areas, the RCAF, and the RCN. The training plan that was established had the marchers train from March until the end of June for a total of more than 1000 km carrying the required 10 kg of dry weight plus food and water. Some of the marchers who were selected accomplished this distance walking alone in the mornings, evenings, and

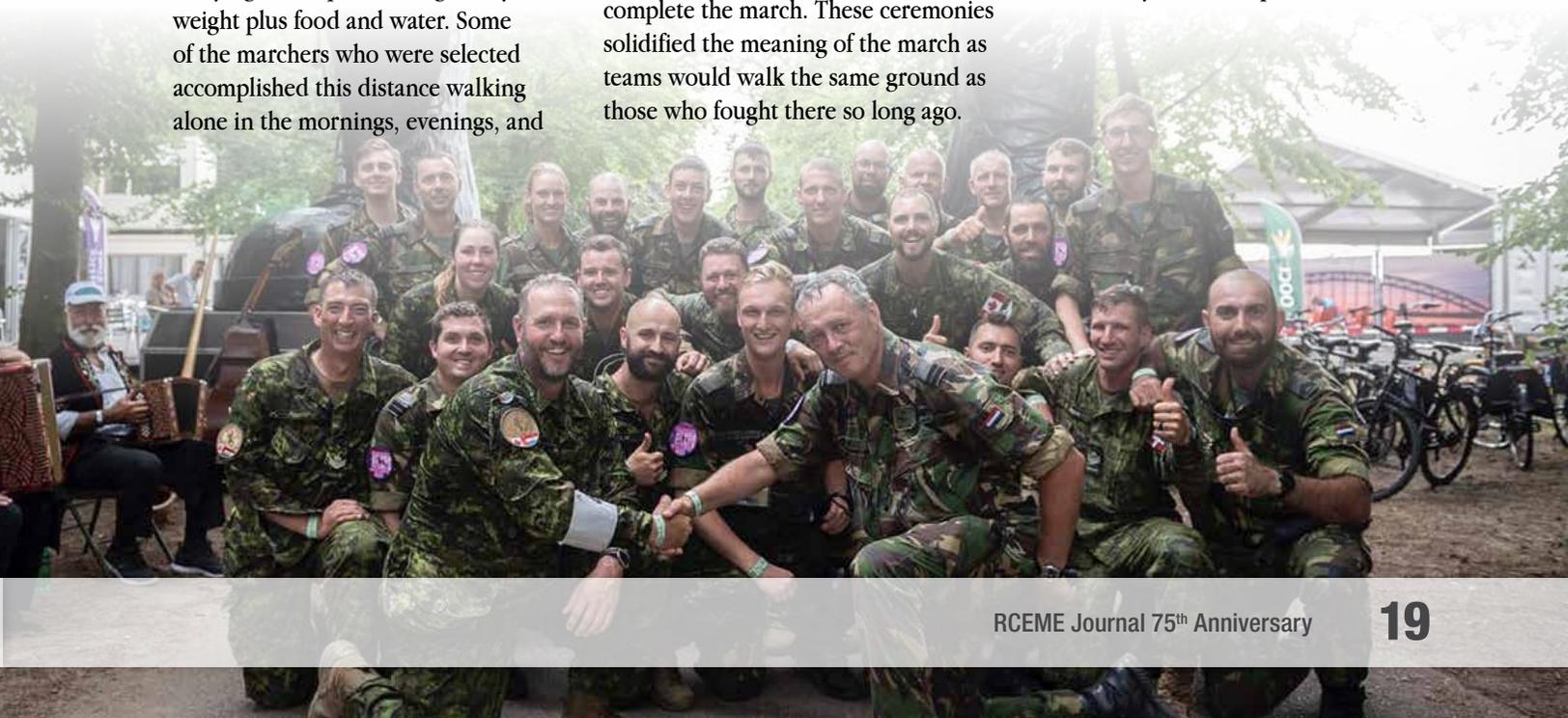
weekends. The only times that the marches were brought together were for the mandatory 2 x 30 km and 2 x 40 km marches where the Team Leader (Maj G.M. Butcher) and the 2IC (WO J. Dupuis) would make selections for the final team composition.

Prior to departure, the Team Leader had decided that, if there was to be an all-RCEME team at Nijmegen, making the team medic an honorary RCEME member for the deployment was necessary. Cpl A.M. Caron accepted the new cap badge, which she carried every day during the deployment and displayed it proudly on her collar for the Four Days Marches. The team medic, who only got to know the marchers during the two team selection marches and the Four Days march, was instrumental in keeping all the team members healthy and fit to complete the challenge.

After landing in France, the Canadian Contingent (approximately 175 marchers) participated in multiple ceremonial parades – including Vimy, Bergen Op Zoom, and the Groesbeek Canadian War Cemetery – to remember the fallen as they journeyed to Nijmegen to complete the march. These ceremonies solidified the meaning of the march as teams would walk the same ground as those who fought there so long ago.

During the deployment, the RCEME team did what they do best – they showed solidarity and their ability to keep strong spirits during the long days making friends from all over the world. On Day Two of the marches, the RCEME team marched alongside the Dutch Air Force for the greater part of 20 km, singing, cheering, and receiving the applause from the large crowds. The RCEME team also arranged to meet with the British REME 8 Field Para team to exchange gifts. The morale and high spirits that the RCEME team displayed won them the Woodhouse trophy – awarded to the top Canadian contingent exemplifying teamwork, camaraderie and Esprit de Corps.

It was a testament to the bond of cooperative spirit shared by RCEME technicians to see a team comprised of individuals who came from across Canada not previously knowing each other, yet marching together, making everlasting memories, winning the Woodhouse Trophy, and accomplishing a task to the highest degree. This was truly a great way to celebrate the 75th Anniversary of the Corps.





Edmonton RCEME 75th Anniversary GALA DINNER

By Lt C. Lochrie

On the 13th of September The Corps of Royal Canadian Electrical and Mechanical Engineers (RCEME) celebrated the 75th Anniversary of their formation on the 15th May 1944.

This special event was held at the spectacular Fairmont Hotel Macdonald in Edmonton. Over 220 serving and retired members of the Corps attended along with special guests from across the Division and local area who helped support RCEME 75th events.

Guests started to arrive from 6:30 p.m. (1830 hours) onward and were greeted by Cpl Laurin in WW2 battledress and Pte Dendy dressed as Sadie, who is part of RCEME history from the World War Two Italian campaign. There were also RCEME vehicle and equipment displays from throughout the decades where guests and passersby took the opportunity for photographs.

After the social hour reception, the dinner commenced with the welcoming of all the guests and our guest of honour Lt Col Ret'd Alexander (Duff) Macdonell CD2. He served through both WW2 and Korea and was the oldest retired RCEME member at the event, having transferred to the Corps in 1948.

Outstanding entertainment was provided throughout the evening by the Royal Canadian Artillery Band, Princess Patricia's Canadian Light Infantry



Drumline, RCEME piper and the RCEME Jiffy Jeep Team – all of whom gave up their free time in support of our event. The guests greatly appreciated their professionalism and commitment.

Speeches were provided by Colonel Bob Ritchie, Commander of 1 Canadian Mechanized Brigade Group, Lieutenant-Colonel Chirag Hingwala, Commanding Officer of 3 Canadian Division Support Group Tech Services Branch, Chief Warrant Officer Jeffrey Saunders RCEME Corps Sergeant Major and Mr. Reg Waugh President of the Western Region Light Aid Detachment (LAD).

Port toasts followed the speeches and, as is tradition, wrapped up the formal part of the evening. This was especially poignant when the toast for the fallen was recited and the piper played the lament. It gave everyone a moment to reflect on Corps past members – those no longer with us from

all the conflicts and campaigns RCEME has served in since its foundation in 1944. We also raised a glass for our absent Corps members currently serving around the world on operational tours. The room was cleared and the evening was rounded off with a post-dinner reception and dancing.

The Gala Dinner was a very special evening, in a beautiful venue, befitting the celebration of the RCEME Corps 75th Anniversary. The Corps once again demonstrated its Esprit de Corps with great support from retired and serving members ensuring the event was a great success.

Planning has already started for the RCEME 100th events and I'm sure in typical RCEME style these celebrations will be even bigger and better. Looking forward to 2044.

ARTE & MARTE

RCEME Corps competes in repair and recovery competition

EX ARTE ET MARTE

By Lt P. Jireada

The Royal Canadian Electrical and Mechanical Engineers (RCEME) Corps Western Division celebrated the Corps' 75th anniversary in grand style September 9 to 13 at 3rd Canadian Division Support Base (3 CDSB) Edmonton.

The festivities began with the first National level Repair and Recovery competition since the RCEME Corps' birth in 1944. This competition was named Exercise ARTE ET MARTE 19 after the Corps motto: By skill and by fighting.

This competition was hosted by 1 Service Battalion in Edmonton and saw four teams from across the country consisting of nine RCEME soldiers competing against each other. The four teams travelled from the Atlantic, Québec, Central and Western regions of Canada. The Town of Gibbons generously allowed the exercise to be conducted on land in their town, which provided a new challenge to the competitors.

The teams were situated in a tactical environment where they had to respond to repair and recovery requests (RRR), – the bread and butter of the RCEME Corps in a deployed environment. The teams would then conduct their battle

procedure and deploy their Mobile Repair Teams (MRT) to Gibbons to conduct the repair or recovery. The competition ran continuously for 72 hours. The scenarios covered all four Corps trades. There were vehicle, material, electrical-optical and weapon technician scenarios to give everyone on the team a fair challenge and representation of skill sets. The teams were scored on their battle procedure and execution of the RRR.

In co-operation with the Town of Gibbons, an event open to the public was offered, highlighting the Corps' expertise in various ways. The first demonstration involved a Medium Logistic Vehicle Wheeled (MLVW) rolled over on its back in the town's gravel pit. The second crowd-pleaser featured a Light Armoured Vehicle (LAV) 6 that had a simulated electrical fault requiring the team to work together to pull the turret out to do the repair.

This competition showcased the technical skills and tactical proficiency of the teams to increase Esprit de Corps,

as well as grow 3 CDSB Edmonton's relationship with the Town of Gibbons. This week-long competition came to an end at the RCEME Corps 75th Anniversary Gala Dinner on Sept. 13 at the Fairmont Hotel Macdonald, where the winner was announced. The Western Region team was victorious in defending its home territory. ARTE & MARTE



Corporal Gordan, Sergeant Sansterre and Corporal Pombiere work together to complete a repair and recovery exercise.

Corporal Toutant provides sentry to the area while her team completes a repair and rescue exercise. 1 Service Battalion, on behalf of 3rd Canadian Division, hosted Ex ARTE ET MARTE from September 9 to 13 at 3rd Canadian Division Support Base Edmonton and the Town of Gibbons, in celebration of the 75th Anniversary of the RCEME Corps.



Enhanced Recovery Capability (ERC) Project Continues to MOVE FORWARD

By Capt A. McLean



On 6 May 2019 – just in time for the RCEME 75th anniversary, the ERC Project achieved the major milestone of receiving Project Approval to proceed into Definition. This significant achievement is a result of the hard work over the years by many Project Directors with the Director Land Requirements (DLR), Project Management Office (PMO) staff from Assistant Deputy Minister (Materiel), as well as individuals from Public Service and Procurement Canada (PSPC) and Innovation, Science and Economic Development Canada (ISED).

Driven by the momentum created by **Strong, Secure, Engaged**, the ERC Project supports the modernization of the Canadian Army (CA) wheeled fleets, from light utility to heavy engineering and logistics vehicles. The decreasing serviceability of the venerable Heavy Logistic Vehicle Wheeled (HLVW) Wrecker, coupled with its inability to recover newer and

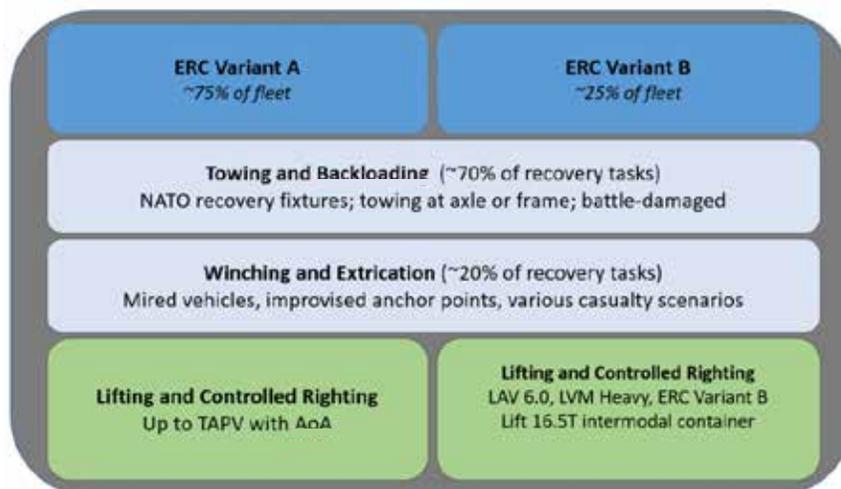
heavier fleets, makes it grossly incapable of supporting the CA's future recovery needs. The worthy Armoured Heavy Support Vehicle System (AHSVS) wrecker fares better recovering heavier vehicles but is not equipped to face the complexity of the increasingly heavier fleets and the containerized logistics capability.

To address the capability gap, the ERC Project is examining a dual variant solution. Both ERC variants will be equipped with a lifting and controlled righting system in the form of a rotating recovery boom, which will allow greater control of the casualty. The ERC variants will share mirrored specifications for common recovery tasks including winching and towing of all CA wheeled fleets, as well as controlled righting up to a Tactical Armoured Patrol Vehicle (TAPV) equipped with Add-on-Armour (AoA). The larger ERC variant will be able to conduct controlled righting of the Light Armoured Vehicle (LAV) 6.0

and the Logistic Vehicle Modernization (LVM) heavy fleet, as well as cross-load intermodal containers laden up to 16.5 tonnes. The project will deliver AoA kits, Special Tools and Test Equipment, Interactive Electronic Technical Manuals, supporting diagnostic software, and a Health and Usage Monitoring System. To support the ERC fleet throughout its service life, a robust In-Service Support solution has been developed through the Sustainment Business Case Analysis.

The next challenge for PMO ERC will be the publication of the Request for Proposal, planned for Fall 2020. To achieve this next significant milestone, the team will review the ERC requirements with the Industry, which is already proposing promising potential solutions. The PMO will continue to work closely with recently fielded fleets such as the TAPV and MSVS to leverage their lessons learned. Finally, but most importantly, the PMO will continue to rely on the vast knowledge and experience of various members of the RCEME family, notably the Land Engineering Support Centre (LESC) and the Quality Engineering and Test Establishment (QETE). LESC offers input on testing and test plans while QETE has helped further refine technical requirements.

The first ERC delivery is currently scheduled for 2023/24 where the fleet will be received by Regular and Primary Reserve CA units and Canadian Armed Forces (CAF) units. The ERC will position the CAF, and more specifically the RCEME Corps, to handle the recovery challenges of the future.



The ERC dual variant fleet.

JOINT WARFIGHTER ASSESSMENT 19 – RCEME as seen by the Mountain

By Capt R.J. Nahachewsky, Lt V.M. Kochanowski, and MCpl M.D. Skuce

Exercise (Ex) JOINT WARFIGHTER ASSESSMENT (JWA) 19 was the United States (US) Army's premier modernization exercise for the year, taking place in April and May of 2019. 1 Corps executed an exercise in which material solutions, multi-domain concepts, and capabilities were woven together in live, virtual, and constructive environments; multi-national interoperability was the end goal for networks, processes, and people. Mount Rainier's ever-present vista bore witness to the exercise again last year, and again it was the RCEME Tradesmen who stood out as high points in the topography of 2 Canadian Mechanized Brigade Group (2 CMBG).

The virtual portion of the exercise saw 7 Infantry Division lead Brigades from the US, United Kingdom (UK), Australia (Aus), New Zealand (NZ), France, Singapore, and Canada in a near peer conflict on an island nation – the topography of Washington State superimposed upon the islands of Japan. 2 CMBG's Combat Service Support (CSS) organization, 2 Service Battalion (2 Svc Bn), was led by Maj Matejek, Officer Commanding RCEME OJT Company, 2 Svc Bn. Over the course of the exercise, 2 CMBG conducted multiple river crossings, forward passages of lines, and an airmobile assault. Consistently, the computer-simulated 2 Svc Bn provided deliberate, just-in-time CSS to the simulated soldiers of 2 CMBG throughout all of these complex tasks. This performance was elevated by the duty officers and NCMs, mostly RCEME, who kept technical errors to a minimum, contributed greatly to the goal of interoperability, and continued to climb the mountain.

The Real Life Support (RLS) portion of the exercise was coordinated from a Call Sign 8 (C/S 8) sporting the RCEME



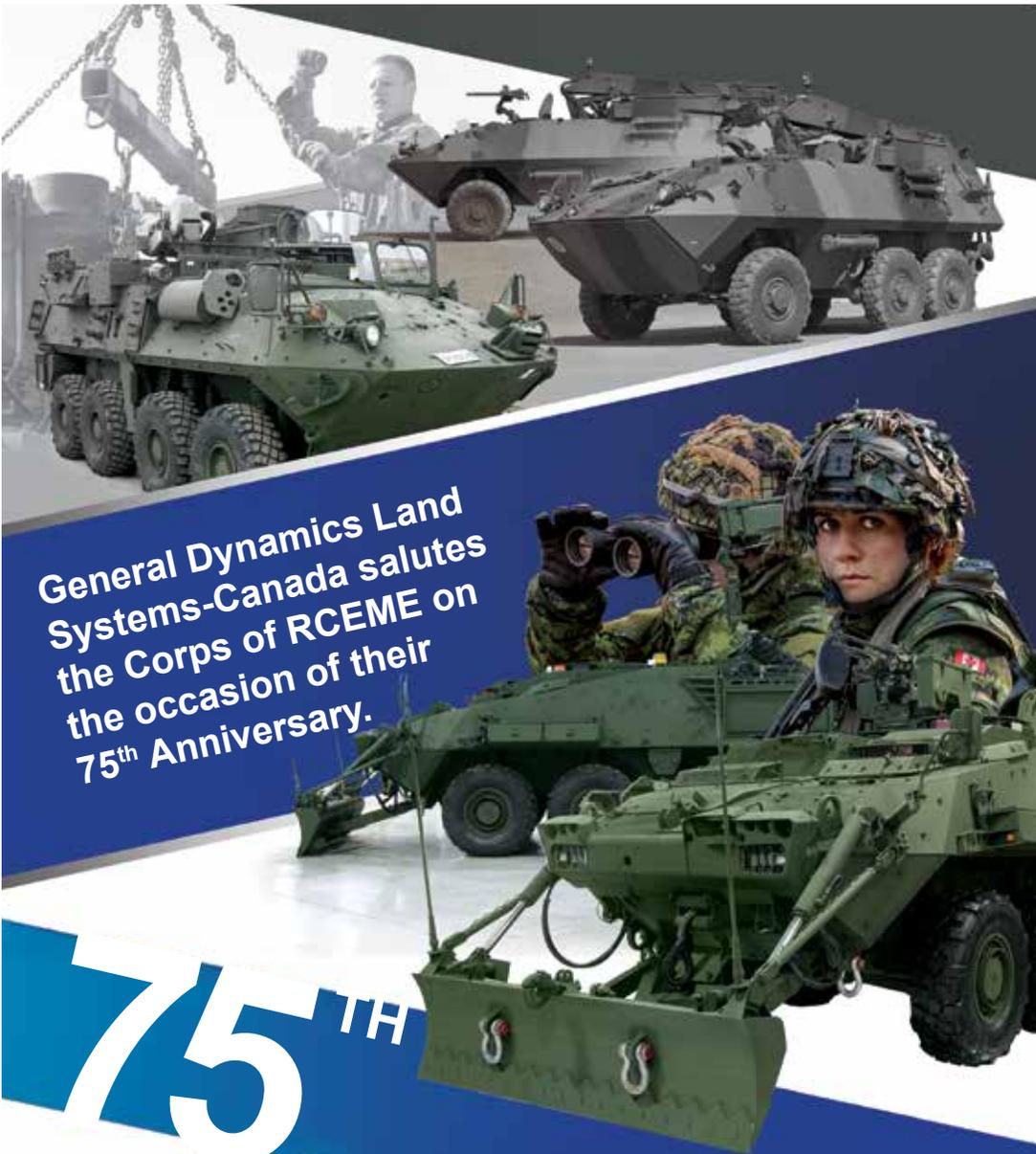
Just some of the Multi-National Soldier Technicians participating/supporting Ex JWA 19. **Royal Australian Electrical and Mechanical Engineers (RAEME)** – Lt Glasson, LCpl Sanders, Cfn Glen, Cfn Muscat, Cfn O'Sullivan, Cfn Searle. **Royal Electrical and Mechanical Engineers (REME)** – Lt Hodgkinson, WO1 Langley, SSgt Banks, SSgt Kelly, Cfn Ahmed. **Royal Canadian Electrical and Mechanical Engineers (RCEME)** – Capt Nahachewsky, Lt Kochanowski, Lt Landry, MCpl Skuce, Cpl Boutin, Cpl Kay, Cpl McNiven, Cpl St-Pierre, Cpl Toutant.

flag. Led by Capt R.J. Nahachewsky, Officer Commanding Support Troop, 2 Canadian Mechanized Brigade Group Headquarters and Signal Squadron (2 CMBG HQ & Sig Sqn), the RCEME flag drew the admiration and curiosity of many of the exercise multi-national partners. As issues surfaced during the exercise, the technicians and leadership of C/S 8 also rose up. The Aus contingent was loaned modular tentage for a mess tent as they were not permitted to eat or drink in the work area allotted to them. 301st Maneuver Enhancement Brigade (301 MEB), collocated with 2 CMBG, was only able to participate in exercise JWA because of the technical assistance provided to power distribution, and generator/climate control repairs. Several UK Senior Non-Commissioned Officers inquired of C/S 8 as to Canadian best practices prior to coordinating support activities with 2 CMBG Headquarters. Over ten percent of the Canadian participants on Ex JWA were redeployed to Canada in support of the Op LENTUS, usually in less than 24 hours from the order to the member landing in Ontario. All of these RLS tasks, while not all

within the arc of the Corps, were executed diligently and professionally by Corps members. When all was said and done, the Mountain saw the RCEME flag as a foundation upon which many of the interoperability successes of Ex JWA were built.

Honours and Awards are not the end goal for members of the RCEME Corps; it is the unwavering professionalism – integral to the trade – which occasionally garners recognition from our peers and superiors. The enduring department of the RCEME Corps on Ex JWA saw individuals recognized with one Commanding Officers Coin from 2 CMBG HQ & Sig Sqn (Capt Nahachewsky), two 301st MEB Commander's Coins (MCpl Skuce, Cpl St-Pierre), one 2 CMBG Commander's Coin (Cpl Murray), one 2 CMBG Commander's Commendation (Capt Nahachewsky), and four Army Achievement Medals (Cpl Boutin, Cpl Daniels, Cpl Kay, Cpl McNiven). After its brief moment of recognition, 2 CMBG and their RCEME personnel went back about their business; Mount Rainier and its new peers remaining stalwart in the background.

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General Dynamics Land Systems-Canada salutes the Corps of RCEME on the occasion of their 75th Anniversary.

75TH

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“ARTE ET MARTE” 



Canada's Security NORAD

By MWO W.D. Barrett &
MCpl C.L. Corbet

It is said that a wicked problem is a social or cultural one that is difficult or impossible to solve because of incomplete or contradictory knowledge, the number of people and opinions involved, the large economic burden, or the interconnected nature of these problems with other problems (Austin Center for Design, Unknown). This being the case, it must be true that RCEME technicians face wicked problems on a daily basis. In particular, the technicians at 4 Wing Cold Lake RCEME Maintenance Platoon must be recognized for their daily efforts in battling wicked problems. From aging and obsolete equipment, through spare parts and technical literature shortfalls, to operator naiveté, and a non-land-equipment-focused concept of operations, the technicians here, from the highest through to the lowest ranks, are asked to accomplish the impossible – or near impossible – every day. 4 Wing is mandated to support the operational requirements of the North American Aerospace Defense (NORAD) initiative, through the effective delivery of Air Power to meet Canada's security needs at home and abroad. This concept is often neglected when the primary focus is on

Canada's aging fighter fleet and support to air operations, but does not necessarily take ground support equipment into consideration.

Until recently, RCEME technicians maintained and repaired all of the land vehicles on base as much as the Aircraft Maintenance Support Equipment (AMSE) assets. Maintenance of emergency vehicles, airfield snow and ice control (SNIC) assets, aircraft tractors, roads and grounds maintenance vehicles, and even blue fleet pickups and staff cars were not believed to be in our area of responsibility. Through the effective leadership of both MWO Bill Barrett and WO Don Bryer, coupled with the management of Maintenance Officers (Maint O) Captains Calvin Rideout and Vivian Nguyen, the critical importance of the RCEME Maintenance Platoon was incrementally and steadily driven home to both the senior leadership and to user units, and a neglected workshop and demoralized staff were transformed into a highly effective and productive team.

Using both transformational and transactional leadership techniques, the important contributions of the workshop staff to mission success were reinforced and highlighted. Concepts so simple as weekly parades, regular inspections, and drill practice – easily neglected in an environment where military comportment often goes to the wayside in favour of support to operations – enforced to other units of the Wing that a well-disciplined team can serve as a shining example. Several personnel were recognized as top performers within a given month, some were chided for foolish mistakes, and others were given commendations from the Wing Transport and Electrical and Mechanical Engineering Officer (W TEME O) and 4 MSS Commander. Some personnel were selected to deploy on both domestic and foreign operations, providing support to Canada's contributions to global stability and security.

Although battling wicked problems is certainly a daunting task, workshop personnel at 4 Wing routinely prove that the cream really does rise to the top.

ARTE & MARTE





Ex Common Ground – 2R22R

By Capt M.-A. Lévesque, Maint O

As part of Exercise Common Ground, the 2 Royal 22^e Régiment (2R22R) Battle Group (BG) was mandated to provide support for numerous courses at the Combat Training Centre (CTC). The primary target group was the Combat Team Commander course, Field Sergeant Major course, Squadron Sergeant Major course and Advanced Sniper Course. To fulfill this mandate, 2R22R first had to ramp up to Level 5 with the Royal Canadian Dragoon (RCD) tanks during Exercise Mechanized Beaver to provide candidates with all the components of a BG. With more than 486 repairs done in 42 days, the 2R22R maintenance platoon (pl) shone by its resilience and hard work at Exercise Mechanized Beaver and Common Ground 2019. With its 5 Service Battalion (Svc Bn), 1R22R and 5 Combat Engineer Regiment (CER) attachés, the pl quickly forged close bonds of trust and high morale. The pl supports a fleet of more than 220 pieces of equipment and the technicians work long hours daily in order to maximize the operational capacity of the 2R22R BG.



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THANK YOU

Congratulation to the 75th Anniversary of the Corps of RCEME.

Professional Development – 3R22R

By MWO É. Jobin, CD, ETQMS

The ETQMS (Equipment Technical Quarter Master Sergeant) has countless daily roles to play within an organization. One of these roles relates to the indirect maintenance platoon personnel management to which they are attached. Direct management is an existing command team responsibility; being the maintenance officer, the control office Warrant Officer (WO) and the section sergeant (Sgt). The Master Warrant Officer (MWO), as the ETQMS, is attached to this maintenance platoon and must remain on the lookout for requirements and challenges on the technical level in order to improve the organization's capacities and contribute positively to support the unit domestic and expeditionary operations.

Most recently, the 3R22R Maintenance Platoon had the opportunity to promote the development of its technicians by allowing them to participate in an ongoing training program on diesel technologies given by a specialist from the industry. The initiative came from the Control WO, WO Lebel, who perceived training requirements when the MSVS SMP arrived at the battalion. In fact, the technicians had aroused keen interest in the new anti-pollution

system attached to the vehicle, a novelty in the logistics vehicles fleet. Finally, the arrival of this platform at the unit represented a technical challenge for the Light Infantry Battalion. It should be noted that the arrival of this new capacity had already been analyzed by the Royal Canadian Electrical and Mechanical Engineering (RCEME) Corps, which immediately set up a national training program from the RCEME School in Borden. Several technicians had the opportunity to be trained (one to two technicians per unit) in order to share their knowledge with others on different aspects.

It is therefore in with the objective of improving the skills and knowledge of our technicians that MCpl Cassan, floor supervisor, took the necessary steps to implement the training program for the platoon. The choice fell on the Uni-Select company with its Pro Pulsion¹ training department. Several training options were offered to us. Our choice ended with a three-day training course on new diesel technologies, including urea² (anti-pollution) systems present on Mack vehicles.

With Mr. Raymond Brodeur's great expertise of the Pro Pulsion department, 3R22R RCEME Corps members saw their



technical knowledge upgraded. They will be able to use their new knowledge immediately with the massive arrival of MSVS SMP vehicles equipped with new technologies. This year, our gaze will most likely switch to the arrival of the Skandic 900 Ace³ fleet at the unit to determine our future educational needs.

ARTE & MARTE

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1. Pro Pulsion: Mechanics Training Center, <https://www.facebook.com/propulsiontraining/>
2. Urée/Urea: Diesel Exhaust Fluid Injection to burn NOx particles
3. Skandic 900 ACE: 2020 Can Am snowmobiles, CAF purchased to light infantry battalions, <https://www.ski-doo.com/ca/fr/ski-doo/skandic/skandic-swt.html>

BRONZE SPONSOR

babcockTM



Director, Mobile Support Equipment (DMSE) 18-19

By Capt S. Bouffard

DMSE tasks are numerous and varied. They include performing Equipment Movement Order (EMO) inspections, coordinating the Corrosion project, ensuring the availability of Provisional Condemnation Certificate (PCC) vehicles and sometimes supporting certain units in their backlog of vehicle inspections.

The DMSE supports and implements major projects that the Canadian Army assigns to the 2nd Canadian Division and Joint Task Forces. For example,

the Medium Support Vehicles System Standard Military Pattern (MSVS SMP) Project, a.k.a. “The Mack”, which started in September 2018, is a big project that brought its share of challenges. The efficient and exceptional coordination with the Field Service Representatives (FSR) greatly facilitated the task. Some problems reported by vehicle technicians were used to adjust the assembly line at Prévost, located in Saint-Nicolas, Québec, such as the creation of a specialized team to ensure the final

quality of the product, which has greatly improved the speed of delivery. The arrival of the trailers for MSVS SMP presented a challenge involving their unloading in cold weather, an accumulation of snow, and coordination with Mr. Lachance at Building 188.

Other challenges, or adaptations, will be faced for the Canadian Army in relation to this new acquisition, the supply of Petroleum, Oils and Lubricants (POL) and the training of personnel. In addition, the technology and electronics on this vehicle will require a change in equipment maintenance culture.

During the past year, DMSE has coordinated with local contractors on more than 1000 rust-proof vehicles, part of which consisted of Mack (62), thanks to the help of two drivers fully dedicated to the task. The organization also prepared and repaired two Heavy Logistics Vehicles Wheeled (HLVW) with Palletized Loading System (PLS) to be deployed.

To get this big wheel spinning, DMSE uses several trades. The team is therefore composed of, but not limited to, vehicle technicians, supply technicians, communication systems technicians – as well as public servants and contractors.



BRONZE SPONSOR

CALIAN

Aircraft Maintenance Support Equipment (AMSE) Course – CFB TRENTON

By Sgt C. K. Johnson

8 Wing (Wg) Maintenance, Trenton, Ontario recently trained and delivered a course to turn out capable Vehicle Technicians involving the Royal Canadian Air Force (RCAF) unique Aircraft Maintenance Support Equipment (AMSE) from 18 November to 06 December 2019. For the third year in a row, the Royal Canadian Electrical and Mechanical Engineers (RCEME) technicians from the Transportation / Electrical & Mechanical Engineering Flight (TEME) have been entrusted to plan and deliver this course for technicians from most Wings across Canada. They have quickly become the “Centre of Excellence” and Subject Matter Experts with regard to this type of training. The first introduction to the students arriving to take the course is the exceptional accommodations (Yukon Lodge) offered here at 8 Wing. This was a huge difference from the “shacks” offered during any other training as the rooms bear more resemblance to a local hotel than a barrack. As well, students are provided with two vans to utilize for travelling back and forth from the course to the Lodge (Welcome to the RCAF). Drawing from experienced instructors and staff from TEME, as well as some personnel from other Wings, the material covered was well thought out and accurate to the needs of the RCAF, including information not covered in trades training. Being centralized and having the best and largest selection of AMSE equipment across Canada, combined with a modern new maintenance shop, 8 Wing Trenton is a perfect location to conduct



Students being taught maintenance procedures on a Hydraulic testing stand.
Cpl Gaynor D-J.W., Cpl M.J.C. Tremblais-Maltais, C.T. Cpl Bartley.
Picture taken by MCpl Tremblay J.R.M.

this specialized training. With various ranks, levels of experience and limited background knowledge on RCAF equipment, students were able to acquire new skills and information, regarding all aspects of diagnosing and repairing this high priority equipment. They could then apply the knowledge they gained on multiple practical tests. Simply put, trying to take Canadian Army technicians and get them to slow down and focus more on air worthiness, flight safety policies and the dreaded tool control can be a hard change of pace from the “close with and repair at all costs” combat mentality that RCEME soldiers are accustomed to. Ground Power Units,

Turbine Power Combined Service Units, Hydraulic jacks and testers for aircraft, Mobile Nitrogen carts, and various aircraft tow bars are vastly different from the Army equipment most technicians are familiar with. All of 8 Wing Trenton’s RCEME Maintenance members have come together and invested much of their time and pride to ensure the overall success of this course, aiming to help advance the capabilities of our technicians on all Wings where AMSE equipment requires the heart and soul of a RCEME soldier.

ARTE & MARTE



RCEME Museum in Kingston, Wall Of Honour LEADERS AND TRAILBLAZERS

By Corps Col Cmdt, BGen (Ret'd) W.J. Brewer, OMM, CD

The RCEME Museum in Kingston, Ontario formally opened in May 2017 and continues to develop as a first-class facility commemorating the rich history and legacy of the Corps of RCEME. It's common knowledge that the display is currently located in the back of the Military Communications & Electronics (CELE) Branch Museum, with the museum committee led by Col (Ret'd) Tom Temple moving the development yardsticks by leaps and bounds.

One of the more recent innovations undertaken by the museum committee was the implementation of a quasi Museum Wall of Honour with the express purpose of honouring the "Leaders and Trailblazers" whose noteworthy contributions throughout their careers and retirement have made a significant difference in bringing recognition to the Corps. The first induction of six Leaders and Trailblazers was made at the Museum on 8 June 2019 and included Colonel Murray Johnston, Colonel Don Maclean, Captain Jack Wilkin, Chief Warrant Officer Don Campbell, Reverend Don Chisholm and Master Corporal Jos Bilocq. The ceremony also included the unveiling of the RCEME Museum Leadership Board which includes Col (Ret'd) Andrew Nellestyn as the Honorary Chairman. This ceremony was well attended by both families and members and is a direct reflection of the outstanding Esprit de Corps that is the heart and soul of the Corps of RCEME.

Since Col (Ret'd) Johnston was unable to attend the ceremony in June, a small group of individuals



Left to Right, Col(ret'd) Gilles Nappert, RCEME Museum; Mrs. Joan Johnson; Rev Don Chisolm, RCEME Corps Padre; BGen (Ret'd) W.J. Brewer, OMM, CD. Middle bottom Col (Ret'd) Murray Johnston.

recently visited Murray and presented him with his award in the form of a mini plaque. In addition to being very pleased, one of the comments Murray made was "Remember—we are a Regiment of small units everywhere"... Murray, thank you for your professionalism, leadership and dedication over many years. You have been an inspiration to us all.

In moving to the future, the museum Committee will be looking for new "Leader and Trailblazer" inductees

on an annual basis through a call out that will be sent to all Light Aid Detachements (LAD) presidents in the late Fall timeframe. Since this initiative provides an excellent opportunity to recognize deserving individuals, the museum leadership team is committed to ensuring its continued success in future. Well done.

ARTE & MARTE



In memory of Sgt (Ret'd) Maurice Bidart

A CAPE BRETON LEGEND

By Corps Col Cmdt, BGen
(Ret'd) W.J. Brewer, OMM, CD

Sgt (Ret'd) Maurice Rene Bidart was born March 22, 1914 in North Sydney of Basque and French descent. He lived his life in Cape Breton.

He was first approached by the Army while working at Elman Motors in Sydney in 1941. Being a motorcycle repairman, this type of work was needed at the local base.

Following his enlistment, he served with RCEME in Canada, England, France, and Europe. He received the France and German star and the Canadian Volunteer Service medal and clasp.

He spent most of his time repairing all types of vehicles both on and off the battlefield. He, like most, would very seldom talk of his time in the war, but he always emphasized that the training for all the different types of equipment was very challenging, educational and just what was needed in the field. He talked many times about his repair trailer in the field. The bottom side would fold down to stand on and the top side would fold up to cover the machinery and operator. They were the best tools and lathes he had ever seen and they would make any part necessary to repair the equipment.

At the end of the war he remained in Europe to be a projectionist and canteen volunteer for the remaining

troops throughout Europe. As he operated the canteen, sometimes the men would leave a little change. He would then put it in a container. When he returned he asked the Salvation Army (who ran the canteen) what he was to do with the extra money that was left. They told him that as long as everything was paid for, the remainder was his. He did not keep the money for himself, but instead bought food for the families where he was billeted. He received letters from these families in later years thanking him.

After returning from overseas, he went back to work for Elman Motors in Sydney as a mechanic. He married and started his family. He was then recruited by Mr. Elman to be the general maintenance man for the Isle Royal Hotel. In those days, he took care of everything: plumbing, electrical, elevators, and boilers. For this, he was on call 24 hours a day 7 seven a week. At this time, he made enough money to pay the mortgage, but he had to do jobs on the side to feed and raise his family. In the early '60s, he was asked to do sprinkler work for businesses around the city. He started his company Maurice R Bidart General Contracting and it still exists today. Although his main work involved sprinklers, he would do any type of



work, including electrical, plumbing, bricklaying, carpentry, lightning rods, mechanical, and overhead doors. He was a jack of all trades, and most of this was due to the training with RCEME and his overseas experience.

Maurice was a member of the Sydney Branch 12 Legion for 61 years. In 2019, members of Maint Det Sydney, led by Sgt Clowe visited Maurice and presented him with a new RCEME flag, as well as a book and coin commemorating the 75th Anniversary of the Corps of RCEME. After an incredible life, including significant service to his country, Maurice passed away in June 2019 at the age of 105.

ARTE & MARTE



Sgt (Ret'd) William Nicholson

A PROUD RCEME VET

By Corps Col Cmdt, BGen
(Ret'd) W.J. Brewer, OMM, CD

William Nicholson joined the Army on 7 January 1941 at the age of 19, and spent time in Shilo during that year. After passing Tradesmen's Tests for Driver and Motor Mechanic in 1942, he was transferred to the Mechanical Transport Workshop Section Royal Canadian Ordnance Corps (RCOC). He left Canada in December 1942 for Aldershot, England and was stationed there until October 1943.

In November 1943, he disembarked in Sicily with the RCOC in the 5th Canadian Armoured Troops Workshop. His specialty was as a motorcycle mechanic. By December 1943 the unit was in Italy and was under attack in February and March of 1944. He was transferred from the RCOC to RCEME on May 15, 1944. That same year, he was reassigned to an Armoured Corps and was sent to the south of Naples to train as a gunner in a Sherman tank. After his tank hit a mine he was transferred back to RCEME.

Bill left Italy in February 1945 and disembarked 2 Mar 1945 in France. He then went on to Holland and Germany. He returned from Europe in October 1945, when he volunteered – and was accepted - for the Pacific Theatre.

From 9 Jan 1946 to 26 Feb 1946, he was attached to Camp Shilo Canadian Infantry Training Centre and was sent to Exercise Musk-Ox, Churchill. His main memory of the time was how cold it was. He was discharged at #10 District Depot, RCEME, Winnipeg, Manitoba 12 November 1946.

In 1950, Bill joined the 6th Anti-Aircraft Reserve Unit as a private and was promoted to the rank of sergeant. On 2 Jun 1953, by command of the Queen, he received the Coronation Medal.

Bill was welcomed back to Winnipeg by his father William – a World War One POW camp survivor), his mother Jean, and brother Robert. Between the wars, Bill had travelled by ship four times to Scotland to visit both sets of grandparents. He had graduated from high school in 1940 and was a mechanic apprentice prior to entering service.

In 1947, Bill got married and he and his wife Margaret had three children before moving from Winnipeg to Vancouver, BC. On 1 Dec 1956, he joined the Workmen's (later Workers') Compensation Board and retired on 30 Jun 1983.

Bill was active in the United Church and attended church regularly all his



life. He was a popular scoutmaster for many years. He loves to sing and has been involved with many choral groups – including the Vancouver Welsh Men's Choir. After moving to Parksville, BC, Bill was a volunteer driver for a retirement centre for a few years. After marrying a second time, he and his new wife Thelma moved to Langley to a retirement home where he is a popular bingo caller.

Bill has a keen mind and is quite knowledgeable about Canadian history. He loves to read and keeps a small library of books including many about both world wars.

Bill is a happy and very proud Canadian veteran. He never misses an opportunity to speak about his

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The Life of Cpl (Ret'd) John D. Carmichael

100 YEARS OLD AND GOING STRONG

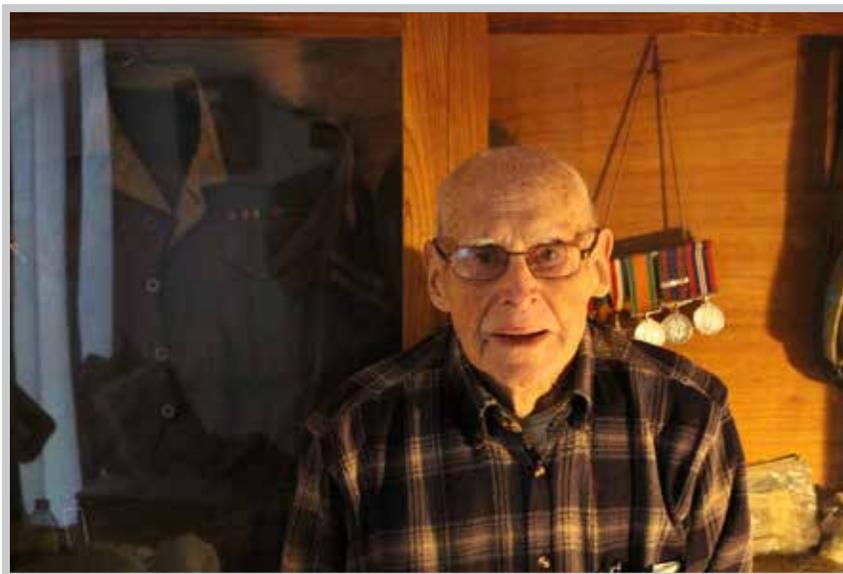
By Corps Col Cmdt, BGen (Ret'd) W.J. Brewer, OMM, CD

John David Carmichael – a son, soldier, husband, father, grandfather, friend and neighbour.

John was born in Cape Breton, September 18, 1919 – the fourth of six children. His rural upbringing in a small community in a small community taught him to do what needed to be done – whether that was working on the farm, in the sawmill, or in the woods – fixing and mending as he went.

At the age of 22 John answered the call – volunteering for service in the Canadian Army. After basic training in Nova Scotia, he went on to become an Aero Engine Mechanic in London, Ontario, embarking for England in March 1942. In the UK he was assigned for additional training, qualifying as a Motor Vehicle Fitter, Group A at 1st Canadian Base Ordnance Workshop (CBOW), RCOC in Aldershot. John became an original member of the RCEME when he was transferred to the Corps on its inception on May 15, 1944, prior to his embarkation for Normandy in late July. John served with the RCEME from Northern France, through Belgium and Holland, all the way to Victory in Europe Day. He returned home in December 1945 on the RMS Queen Elizabeth and was honourably discharged as a Corporal the following February.

The return to civilian life sent John to Toronto in search of work, where he met his future wife and over the years raised five children in quick succession. John by this time was working as a carpenter with Ontario



Hydro. In 1966 the family moved to Amherstburg, Ontario where John volunteered with the Boy Scouts, the United Church and the Amherstburg Community Band. In his spare time, he built a two-storey home for his family. The next move was in 1976 to Jarvis, Ontario, where he built his second home and remained with Ontario Hydro until his retirement in 1982.

In 2004 his eldest daughter and son-in-law took him back to Europe, starting in the Netherlands and working their way back to Normandy with stops at the Canadian war cemeteries at Holten, Groesbeek, Dieppe and Bény-sur-Mer. It was an emotional pilgrimage and his way of honouring the boys who never came home. Everywhere he went, he was greeted with respect and gratitude as a Canadian liberator.

In 2017, John moved into a retirement residence in Jarvis - where in September last year he celebrated his 100th birthday with his family and old acquaintances – including in-laws, eight grandchildren, friends from the Jarvis area and a few surviving pals from Toronto and Amherstburg. In addition to the certificates of congratulation and many birthday wishes, John received a personal phone call from the Colonel Commandant of RCEME, BGen (Ret'd) William Brewer. It is not every day that a corporal gets a call from a general! Shortly after, John received a personal visit from the Corps SM, CWO Jeffrey Saunders, presenting him with souvenirs of the 75th Anniversary...

ARTE & MARTE



In memory of CPL NATHAN HORNBURG

By Sgt D. Wardle

These are just a few words about Cpl Nathan Hornburg's time with LdSH(RC) C Sqn Maint.

He, along with four other reservists, came to us just after Christmas leaves 2007 from the King's Own Rifles of Canada (KOCR), the British Columbia Dragoons (BCD) and the British Columbia Regiment (BCR), with very little tank experience but a passion for learning. There were only two Armoured Recovery Vehicles (ARV) operator positions open, along with one backup.

Nathan's first month with C Sqn Maint was spent in the tank barn assisting the mechanics with first-line maintenance as well getting himself and the ARV ready for training in Texas. His innate mechanical skills were apparent from the outset and set him above the rest. He was quickly assigned to the maintenance 2ICs crew as the ARV operator. The Crew Commander (CC), MCpl Vandervaate said he only took the cream of the crop and Nathan was it.

Nathan then spent the next six months training with the ARV and completing a multitude of maintenance tasks. These included dozens of pack pulls as well as many first-line jobs, such as

replacing generators, superchargers, starters, brakes and rectifiers just to name a few. He was always diligent in the operator maintenance of his ARV – ensuring it was always at a high state of operational readiness.

Nathan and the other ARV operators never received any formal vehicle technician training but by the time C Squadron was ready to deploy to theatre, the operators – and Nathan in particular – had the skill sets of seasoned Leopard mechanics.

The ARV operator is an invaluable addition to any tank squadron, since they must – and do – quickly become an unofficial maintainer. The ARV operator must also be the best tank driver in the squadron, seeing as they must be able to get in and out of terrain and situations where other drivers fail.

Nathan exemplified all the best qualities of a maintainer and soldier even though he was not RCEME. His work ethic was beyond reproach, his natural mechanical abilities were excellent and very easy to build on. But most importantly, his can-do attitude was an inspiration to all those around him.

ARTE & MARTE



Died by enemy fire during the recovery of a Leopard battle tank on 24 Sept 2007, at 16h20, Afghanistan.



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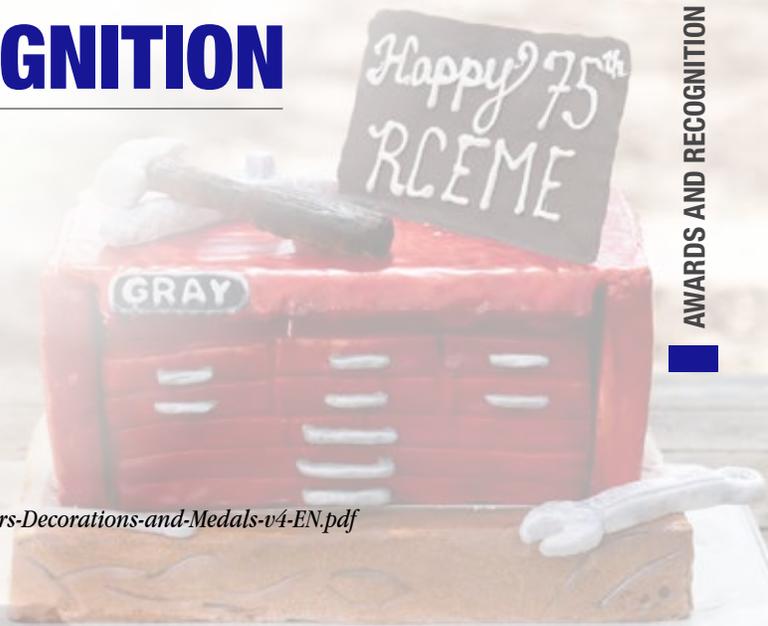


AWARDS and RECOGNITION

RCEME NCMs & Officers appointed for the Order of Military Merit in 2019:

- Col J.P.S. McKenzie
- Col H. Morrison
- CWO D.C. Colombe
- CWO M.S. Delarosbil
- WO J.A. Shamerhorn

<http://rcemecorpsgemrc.ca/wp-content/uploads/2019/07/RCEME-Honours-Decorations-and-Medals-v4-EN.pdf>



LAST CALL

1. **Graham**, Norman (30 Nov. 2019);
2. **Pospisil**, Paul Peter (3 Sept. 2019);
3. **Tripple**, Carl Edward (22 Aug. 2019);
4. **Pratt**, Reginald "Reg" (19 Aug. 2019);
5. **Arsenault**, Russell "Russ" (19 Aug. 2019);
6. **Tennant**, Gary Joseph Sr. (18 Aug. 2019);
7. **McDermott**, Daniel "Dan" R (13 Aug. 2019);
8. **Farmer**, Clifford "Cliff" (7 Aug. 2019);
9. **Mimee**, Thomas "Tom" M (1 Aug. 2019);
10. **Cox**, Raymond M "Ray" (6 July 2019);
11. **Bidart**, Maurice (21 June 2019);
12. **Turner**, Terrence N "Terry" (28 May 2019);
13. **Arthur**, Brian (25 May 2019);
14. **Verrault**, Robert "Bob" (23 May 2019);
15. **Fleming**, Stephen H J (6 May 2019);
16. **Mulrooney**, Thomas "Tom" (28 Apr. 2019);
17. **Hand**, William H "Willie" (25 Apr. 2019);
18. **Hall**, Douglas A "Doug" (6 Apr. 2019);
19. **Fells**, Thomas C "TC" (15 Mar. 2019);
20. **Ruscher**, Michael "Mike" (13 Mar. 2019);
21. **Jones**, Earl Gordon (8 Mar. 2019);
22. **Fawcett**, James "Jim" H (1 Mar. 2019);
23. **Chester**, George M (24 Feb. 2019);
24. **Laverne**, Milton Ernest "Mel" (21 Feb. 2019);
25. **Kilfoyle**, Wallace C "Wally" (5 Feb. 2019);
26. **Aubry**, Lawrence "Larry" (2 Feb. 2019);
27. **Griffiths**, George Edward (23 Jan. 2019);
28. **Ewing**, Ronald George (23 Jan. 2019);
29. **McClary**, Marvin William "Bill" (16 Jan. 2019);
30. **Burelle**, Luc (16 Jan. 2019);
31. **Brideau**, Joseph "Joe" (11 Jan. 2019);
32. **Norton**, Douglas Owen (9 Jan. 2019);
33. **Perrin**, Donald Bayne "Sam" (7 Jan. 2019);



The success of the 75th Anniversary was only possible due to the incredible support provided by our sponsors, donors, individual LADs, and many volunteers across the country.

Our 75th Team did an outstanding job throughout the year and are recognized here for their significant contribution to our heritage, legacy, and Esprit de Corps. ARTE & MARTE!

The 75th Celebration was brought to you by the following list of personnel:

| INDIVIDUALS | |
|--|---|
| Cash, Out-reach, Leadership and Guidance | Brewer, B. BGen(Ret'd) |
| Cash and Fundraising | Giguere, C. BGen(Ret'd) |
| Leadership and Esprit de Corps | Holt, P. BGen(Ret'd) |
| Leadership and Commitment | Matsalla, D. Col(Ret'd) |
| Cash | Nellestyn, A. Col(Ret'd) |
| NATIONAL ACTIVITIES / PRODUCTS | |
| 75 th Anniversary Committee | Matsalla, D. Col(Ret'd) |
| | Brûlé, A. Col |
| | Berube, M. LCol |
| | Cahill, S. LCol |
| | Matson, J. LCol(Ret'd) |
| | Tousignant, S. LCol(Ret'd) |
| | St-Maurice, M. Maj |
| | Ly, C. Capt |
| | Arseneault, N. Maj |
| | Piotroski, P. Maj |
| | Arseneault, N. Maj |
| | Dalpe, J. MCpl |
| | Thompson, L.K. MCpl |
| | McMaster, M.K. MCpl |
| Adams, J.C.W. MCpl | |
| Vader, M.J. MCpl | |
| Marinutti, A.T. MCpl | |
| Irwin, C.J.C. Cpl | |
| Mann, T.N. Cpl | |
| Brown, M.R.J. Cpl | |
| Tremblay, T.W. Cpl | |
| Turcotte, J.P. Cpl | |
| Theoret, J.L. Cpl | |
| Lukawesky, J.R. Cpl | |
| Black, D.A. Cpl | |
| Victorio, A.M. Cpl | |
| Suitor, J.W. Cpl | |
| Graham, S.K. Cpl | |
| Boileau, S.V.B. Cpl | |
| Iannitelli, S.A. Cpl | |
| Regular, T.T. Cpl | |
| Côté, J. Cpl | |
| Silvera, T. Pte(B) | |
| Sivret, E. Pte(R) | |
| Canadian War Museum 75 th Mixed Mess Dinner | Braden, A. Maj(Ret'd) |
| | Brideau, S. MWO |
| Home Station staff | Dzeoba, G. Capt |
| | Rowen, H. Ms. |
| Film | Gilbert, M. Capt |
| | Rodrique, D. Mr. |
| Book | Larose, M. Maj |
| | Doucet-Hébert, S. Capt |
| | Drouin, E. CWO |
| Coin | Johnston, E. MWO |
| Journal | As per table of contents of this journal |
| | Brassard, M. Maj |
| Scotch | Optis, J. Maj |
| | Perron, J. Sgt |
| | Desponts, J. Sgt |
| Canex | Desmarais, J. Maj |
| Army Run Water Station | Bourgon, N. Lt |
| | Butcher, G. Maj |
| Nijmegen March | Drouin, E. CWO |
| | Dupuis, J. WO |
| Time Capsule | Saunders, J. CWO |
| | Drouin, E. CWO |
| T-shirt design | Abdelsamad, S. Pte |
| Logo design | Laevens, M. MCpl |
| 2 DIV | |
| Regional Reps | Belanger, S. LCol |
| | Latour, D.M. MWO (2ic) |
| | Geoffroy, T. Capt (National OPI) |
| Ex Défi Ferraille | Vernier-Lessard, J.F. Lt (Team Leader Valcartier) |
| Anniversary Ring OPI | David, D. Capt(Ret'd) |
| RCEME Div Ball Dinner | Desbiens, J-M. MWO (Ret'd) |
| | Hogan, M. WO |
| | O'Brien, J. Sgt |
| Montreal Golf Tournament | Gervais, P. Mr. |
| | David, D. Capt(Ret'd) |
| Valcartier Golf Tournament | Lefrançois, Z. Lt |

| RCEME Sports day Montreal | Allaire, M. Maj |
|--|---|
| RCEME Sports day Valcartier | L'Italien, F. MWO |
| | Munger, E. WO |
| Beret Change Parade | L'Italien, F. MWO |
| 3 DIV | |
| Regional Reps | Hingwala, C. LCol |
| | Walton, A.R. MWO |
| | Jireada, P.L. Lt |
| | Gilmore, A. MWO |
| Ex ARTE et MARTE (National Recovery Competition) | Lejeune, J.Y.C WO |
| | Andrews, L. Mr. |
| | Mayor Deck, D. Mr. |
| | Wetsch, G. Mr. |
| | Shin, D. Maj |
| Western Region's 75 th Gala | Lochrie, C. Lt |
| | Wood, G.D. MWO |
| Commemorative 75 th Beer and Poster | Nightingale, C.J. WO (Ret'd) |
| 4 DIV | |
| Regional Reps | Chénard, R. LCol/Heebner, P.S.C. |
| | LCol/D'Souza, S. Maj |
| | Wiseman, D. MWO (2ic) |
| RCEME 75 th Blue Beret Parade | Northorp, K.S. CWO |
| | Parsons, L.B. CWO |
| RCEME 75 th Central Region Field Mess Dinner | Normandin, E. Capt |
| Ex Master Maintainer and HLWV Wrecker Monument | Taylor, M. Capt |
| | Groen, D. Lt |
| Skills at Arms Competition | Farrell, J. Sgt |
| 11 th Annual Colonel K. Ritchie Memorial Bonspiel | Lemieux, M. Lt |
| WO Muise Hockey Tournament Team Captain | Sirard, C. Cpl |
| RCEME 75 th Golf Tournament | Leclerc, R. MCpl |
| | Chenard, R.R. LCol |
| National Remembrance Day Ceremony Leadership | Ross, J. Z. Maj |
| | (also helped in the 75 th Journal) |
| | Harvey, A. MWO |
| 5 DIV | |
| Regional Reps | Miedema, I. LCol |
| | Hale, T. MWO/Purchase R. W. MWO (2ics) |
| Ex Mountain Maintainer – Adventure Training in Gros Morne | Lavoie, F. Capt |
| | Montreuil, B. Sgt |
| RCEME Gala, Fredericton | Hollich, H. Capt |
| Défi Ferraille Team Lead | Belanger, C. MWO |
| | Boer, M. Lt |
| RCEME Day BBQ | Pruski, R. MWO |
| | Berube, P. Sgt |
| RCEME Pipes and Drums mini-band | Brionne, L. Sgt |
| | Peters, H. Cpl |
| RCEME Fishing Derby | Linehan, C. WO |
| | Diotte, G. WO |
| | Marceau, K.J.C. Sgt |
| | Browne, A.J. MCpl |
| | Kostey, M.D.R. MCpl |
| | Kummer, S. MCpl |
| | Vardy, C.B. MCpl |
| | Bryden, R.J.R. Cpl |
| | Do, T.A. Cpl |
| | Lemire, J.K.D. Cpl |
| | Naugler, S.W. Cpl |
| Jiffy Jeep (Halifax Tattoo) | Taylor, J.A. Cpl |
| | Waters, T.T. Cpl |
| | Wells, C.D.M. Cpl |
| | Lapierre, F. G. Cpl |
| | Peters, H.D.J. Cpl |
| | Bray, J. Gnr |
| | Delamere, D.R. Cpl |
| | White, S.L.W. Cpl |
| | Aylward, C.J. Pte |
| | Hunt-Benoit, J.M. Pte |
| | Morton, W.P. Pte |
| RCEME School | |
| Regional Reps | Raymond, Y. LCol |
| | Drouin, E. CWO |
| Home Station Ball | Balkaran, R. Maj |
| Home Station Blue Beret Parade | Gervais, T. MWO |