


SURSOIL

The Newsletter of the Cataraqui
Archaeological Research Foundation

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On the cover:

Ashley Gillen excavating a midden,
or refuse heap, dating to the early
19th century.

Design and layout by Nadine Kopp.

From the President

Bob Dylan wrote and sang, "The times they are a changing", and so are things at Cataraqi Archaeological Research Foundation. The first major change was initiated when the Board passed a motion to very significantly change the Foundation's management structure. Instead of a single executive director managing all the cultural resource management (CRM – the archaeological aspects) and running the Kingston Archaeological Centre, the Foundation will now have two directors. The Director of Archaeology (DA) will manage all the archaeological contracts and related work, and the Director of Operations (DO) will administer the centre and all Foundation business. This will allow us to develop the Foundation and focus on more education and outreach, which is essentially why we exist as a not-for-profit foundation.

The second major change that took place resulted from the announcement by Sue Bazely of her retirement at the end of February 2011. We realized replacing Sue would not be easy; after 27 years, 14 as Executive Director, the task looked not just complicated but almost revolutionary.

This past autumn we searched for a DO and after a thorough study of the applications and eight interviews, we hired Christopher (Kip) Parker a highly skilled and talented organizer. Kip not only brings a wealth of experience working with not-for-profit organizations but also a thoughtfulness and commitment needed for our small but unique foundation. With our Director of Operations in place we began our search for a Director of Archaeology.

I am very pleased to announce that we have hired Charlene Murphy, Ph.D. who will join the CARF team in April. Charlene has an Honours B.Sc. in Anthropology from the University of Toronto, a Master's degree in Archaeology from Trent University, and recently completed a Ph. D. in Archaeology from University College, London, U.K. She has over 10 years experience in the field of Ontario archaeology including academic research projects with the University of Western Ontario, Lakehead University, Parks Canada, and the Ministry of Culture, as well as having worked with several cultural resource management firms. Outside of Ontario her international work includes digs for the Gabii project near Rome, and Pompeii, and collaborating with a variety of specialists in different fields.

With our team of Directors and a loyal, hardworking staff at the Kingston Archaeological Centre the Foundation is entering an exciting and bright new era. Now that the hiring is complete, the Board members have completed the first major step of their work, and look forward to concentrating on fund raising, consolidating these changes, and planning for the future of a reinvigorated Cataraqi Archaeological Research Foundation.

These are exciting times for the Foundation and an excellent time to get involved. Plan to renew or take out a membership. Visit the Kingston Archaeological Centre to use the archives and library, see new displays, and meet our staff - Kip, Charlene, Catherine, Nadine, and Ashley. And do not forget to attend the Annual General Meeting on April 27th.

- John Fielding

From the Director of Operations

As a boy growing up in New Zealand, I was fortunate to experience the rich pre-European Maori culture that is part of everyday life for “Kiwis”. I spent a good part of my childhood playing in Auckland city parks that were previously old Maori pa sites (fortified villages) re-enacting past battles, looking for musket balls and stone axe heads, and sifting through island middens.

My life-long interest in archaeology and particular interests in pre-Columbian civilizations in north, central and South America, coupled with many years experience with non-profit management and non-profit boards across North America have serendipitously led me to Kingston and my new position at the Cataraqui Archaeological Research Foundation.

I am very excited to have joined the Foundation, and to be part of the new directions and initiatives for 2011 and coming years. We have much to do under the new management structure, which offers an excellent opportunity to increase efficiencies and savings, as we work to expand services under the Foundation mandate.

Along with staff I have been reviewing all our operations and infrastructure. We have replaced an aging photocopy machine with a more modern colour unit, and have begun to produce most of our brochures, literature, and the newsletter (*Subsoil*) in-house at considerable savings. We have already scanned 19 years of old written reports and converted them to searchable documents on our database. Space has been converted downstairs for photographing artifacts for inclusion in reports and the database. Our computer system has been upgraded with a new firewall and backup system, while new grants will allow us to replace aging computer equipment. And this is just the beginning.

While there are many challenges ahead, we are also well positioned as a non-profit to take advantage of current conditions and opportunities provided by new requirements under the revised Ontario Heritage Act for archaeology in the province, the new Kingston master archaeological plan, our “new” building, a highly competent and creative core staff, and an active and committed board of directors.

And while we live “in the past”, we are firmly committed to a sustainable future using the best science and technology to help us meet our mandate. I look forward to serving the board, the staff and you, the membership, as together we take the Foundation forward to new levels of excellence in archaeology, service programming, and education.

- Kip Parker

Susan M. Bazely's Retirement

When someone retires it has great significance for both the individual and their former place of work. It is especially difficult when that person has dedicated most of their working life to one employer. Sue Bazely worked for 27 years, 14 as executive director, at the Cataraqui Archaeological Research Foundation. For the Kingston Community Sue Bazely was not only the linchpin of the Foundation but also its face, and even on few occasions its only employee. Through good times and tough periods Sue has maintained a consistent loyalty to the Foundation. Sue has also made a very significant contribution to Kingston's heritage and history community. She could always be counted upon for informative talks on our early history and the important role of archaeology in informing us of that history. Her “Can You Dig It?” Summer camps, many presentations to school students and her contribution to the success of the Kingston Regional Heritage Fair are particularly worthy of high praise.

Now both the Foundation and Sue are faced with the challenge of retirement. For the Foundation it is a new era and the Board of Directors have created a new management structure and hired very capable new people to see it into the future. For Sue Bazely, life without the Cataraqui Archaeological Research Foundation offers time to travel and to do those hundred and one other things that a thoughtful, creative, and vital, still young person, can image. We wish Ms. Bazely all the best as she redefines herself in this new stage in her life.

- John Fielding

War of 1812 Bicentennial

Three Years of Celebrating Peace

Barely 12 months away, no it's not another Christmas, but an event that will be made up of many events and last beyond two years - the bicentennial of the War of 1812. There will be a variety of events and activities across the province, the country and the border to commemorate it. The war itself is a key defining point in the history of the development of Canada. For many of us who learned about it in school quite some time ago, it



1815 Watercolour of Point Frederick from Point Henry (LAC-145243).

brings to mind the battle of Queenston Heights, the Niagara Peninsula, Sir Isaac Brock and Laura Secord, and possibly chocolates. But for those of us thinking about and working in the heritage field in Kingston it is about the importance of Kingston as a strategic location, the naval dockyard and the arrival of the Royal Navy, and the Kingston defenses of blockhouses and Fort Henry. In the coming months it will be our responsibility to prepare for how we might enlighten others about Kingston's role and what we have in our community that relates to the War of 1812.

How are we planning to commemorate the bicentennial of the War of 1812? From an archaeological perspective the possibilities are almost endless. Past excavations conducted on the grounds of the Royal Military College of Canada, formerly the Royal Naval Dockyard, have generated historical research, evidence of structures and artifacts from the war and immediate post-war period. This data and materials provide a sound base for exhibits, publications and presentations. Previous sessions of the "Can You Dig It?" summer program have investigated War of 1812 period areas. It is possible to return to these locations or others that have had limited investigation, which would be an

exciting experience for new and returning participants in our program - adults included! We also have opportunities to combine with new and past heritage partners and share information and materials. We have worked with Fort Henry, RMC Museum, Marine Museum, Kingston Historical Society and Parks Canada and hope that others will explore collective co-operation and partnership in this endeavour. We usually only get one shot at something like this, but we could get three with this one as there is 1812, 1813 and 1814 to spread our prospective projects over.

Watch for stories and articles in *Subsoil* on War of 1812 sites and excavations, artifacts and more. Previous editions of *Subsoil* (v. 26 no. 2, 2009 and v. 27 no. 1, 2010) and our website (www.carf.info/kingstonpast/fiction.php) contain episodes of the Snake Hill Chronicles which have provided a tantalizing introduction through War of 1812 period historical fiction by Catherine Raby - also see part III in this *Subsoil*. And don't forget the Sir Isaac Brock action figure is available in the Centre's gift shop (see facing page for information).

- Susan M. Bazely

Major-General Sir Isaac Brock

(6 October 1769-13 October 1812)



Major-General Sir Isaac Brock was an aspiring leader and is regarded as one of Canada's Greatest Military Heroes. He was well respected not only by his fellow officers, but also by the men who served under his command. Brock University as well as several schools, streets, (including Brock St. here in Kingston), and towns (such as Brockville) have been named after him.

The British Military suffered a decisive blow when Brock was shot and killed by American sharpshooters during the battle at Queenston Heights (13 October 1812). Despite being an obvious target with his formidable height (6'2"), cocked hat and general's uniform, Brock stayed true to his character and led a charge against the Americans. It was his belief that he should never order his men where he would not lead them himself. Despite his death, his men rallied on, and the battle was a British success.

For his actions in the capture of Fort Detroit (16 August 1812), Brock was appointed a Knight Companion of the Order of the Bath on 10 October

1812. Sadly, Brock died at the Battle of Queenston Heights before news of his knighthood reached him.

In 1816, a series of private half-penny tokens were issued by an unknown company which honoured Brock with the title "The Hero of Upper Canada." Private copper tokens were common at that time in Canada due to initial distrust of "army bills" which were paper notes issued in response to a currency shortage caused by economic growth. They were discredited in 1820 due to the fact that they had become too plentiful and commonplace.

The Cataraqui Archaeological Research Foundation has excavated several of these tokens at various locations around Kingston, such as The Royal Military College, Fort Henry, and the K-Rock Centre. They are curated here at the Kingston Archaeological Centre and will be preserved for future generations to come.

- Catherine Raby



Education Bulletin

With the assistance of Lindsay Germain, an education student on placement with us from Queen's University, we have been working on our Education Programming this spring. Creating classroom style lesson plans, Lindsay is helping us enhance our program links to the new Ontario School Curriculum. We are gearing up to market our completed program to Educators in the Kingston area for the 2011-2012 school year.

Our programs are designed for participants from age 6 to adult and can be held here at the Centre or off-site. More information about our Education Programs is available on our website at <http://www.carf.info/education/> or by contacting us here at the Centre:

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ashley@carf.info

Celebrating our Volunteers

Since the New Year several new volunteers have joined the Foundation and have been busy working on the digital archive project. The project, which is connected to the grant funded projects mentioned on page 6, involves creating digital copies of the Foundation's archaeological information, historical images, and displays. Using the grant funding to expand our digital storage capacity and improve our computer systems we can ensure that all of our archaeological and collections related information is safely archived in digital form.

We had started this project previously with limited success; however, the acquisition of a new photocopier, with improved scanning capabilities, the project has changed dramatically. The new photocopier has allowed us the ability to quickly scan old reports into digital format, for which we previously only had paper copies. In the fall, we assigned volunteers the task of scanning these reports, however, with the flatbed scanner they generally could only scan one or two reports for every volunteer session (approximately 1-2 hours). This was a very slow process which we thought would take at least one full year to complete. In the first two weeks using the new photocopier, we had two volunteers scan reports from 1998 through 1991, approximately 20 reports for each volunteer session, increasing our productivity by nearly 200%! Once the reports were scanned, we used Adobe Professional's optical character recognition (OCR) function, which is the electronic translation of scanned images typewritten or printed text into machine-encoded text that is then searchable, to make the scanned documents into workable files. In approximately one month's time with the help of 6 volunteers we were able to create digital copies of 20 years of archaeological reports. We now have digital copies of these reports that can be searched for better research, and can be digitally archived in case something were to happen to the paper copies.

Our volunteers continue to work on creating digital copies of archived information; however, we would like to extend a big **Thank you** to everyone who worked on report digitization for completing such a large and important part of the project in such a short time!!

- Ashley Gillen and Nadine Kopp

Tribute to an Extra-ordinary Volunteer

Tex Joyner - September 1919 to November 2010

Tex Joyner served in the Canadian Army overseas during WWII in the RCEME corps with the 3rd Canadian Infantry Division, and was in both Germany and Canada until retirement in 1975. It was after his retirement that Tex first became involved with the Foundation during our excavations at Fort Frontenac.



He knew things about various artifacts we were excavating, such as gunflints, lead shot, and bayonets, and had a strong interest in the American Revolutionary War and involvement with the recreated King's Royal Regiment of New York, or the Yorkers.

Tex had a tremendous knowledge of everything metal. The ubiquitous chunks of rusting iron so prolific on every archaeological site - "save those for Tex!" became a common exclamation from whoever was working on the artifacts. More often than not, Tex would appear before anything had been set aside and comment on the various bits and pieces laid out on the drying racks in the lab. Small scraps of paper with identifying notes, followed by more elaborate descriptions accompanied by sketches of the whole item that the bit came from would appear.

Tex also became involved in washing artifacts from some of the most interesting and important Kingston sites including the Lines House, Fort Frontenac and several of the "*Can You Dig It?*" sites such as the Naval Cottages at RMC and Fort Henry Garrison Hospital. He assisted in excavation at the Molly Brant Homestead investigation, located a mere stones throw from where Tex grew up.

Tex was a volunteer curator at the Princess of Wales Own Regiment Museum at the Armouries on Montreal Street. He attended KAM (Kingston Association of Art Galleries, Museums and Historic Sites) meetings and continued with Yorker events,

and provided information and made items for the Loyalist exhibit at the Kingston Archaeological Centre. Tex made or contributed to the tent, clothing items, powder horn, cartridge box and cartridges, lead shot, lantern, flag and much more. On the official opening of the Centre in 1989, Tex came fully dressed for the occasion!

Unfortunately, Tex never enjoyed the new and bright facilities that the Foundation and Centre now call home. During his time with us, we could always count on him to help us identify mysterious objects, make whole examples of the fragments we had, fix broken items, and attend events. He was our Honoured Volunteer in 1997 and became an Honorary Life Member of the Foundation.

- Susan M. Bazely

Thank you to Erika!

We would like to express our thanks to secondary school student Erika Desgardins for her dedicated assistance to the Centre this past fall. Erika contacted us at the beginning of her school year last September to volunteer her time to the Foundation as part of the Secondary Student Community

Involvement program. The program requires secondary school students to volunteer 40 hrs of their time in their community before the completion of grade 12.

Erika volunteered her time to the Centre twice a week and assisted us with a variety of tasks. She gained experience with every aspect of the Foundation from museum administration, tracking guests in our Interpretive Centre, Education programs, and Volunteer hours; to helping in our archives, creating digital versions of the Centre's information that existed only in hard copy; to working with the archaeological collection, washing and numbering artifacts in the laboratory. Erika was also able to assist the Foundation in providing more bi-lingual services, using her French language skills Erika assisted with translation and organization of French Education materials.

The Foundation is happy to be a sponsor of Secondary Student Community Involvement and welcomes students to contact the Foundation as part of their community hours. Thank you to Erika for all her hard work last semester!

- Ashley Gillen

Grants

Thank-you to the **Community Foundation for Kingston & Area**



The Community Foundation has awarded us with a \$2000.00 grant, as part of the **Fall 2010 Community Grants Program**, for our **Digital Archive Upgrade Project**. The grant funding awarded for this project marks the beginning of a much needed improvement to the digital archiving capacity of the Foundation. The funds awarded will be used towards hardware and software upgrades to the Foundation's computer systems allowing us to better preserve our archaeological records.

Thank-you to the **Museums and Technology Fund**



Alongside the Digital Archive Project we are very happy to announce we have been awarded a \$5,600 grant from the Ontario Ministry of Tourism and Culture's **Museum and Technology Fund** for our "**Past to Present – Website Makeover**" project. Look out for exciting changes to our website for the first time since its creation!

Thank-you to the **Community Museums Operating Grant**



We are very happy to announce that we have been accepted into the Ontario Ministry of Culture and Tourism's **Community Museum Operating Grant** program. The program will provide us with annual operating funding as long as we continue to meet the Ministry's Standards for Community Museums in Ontario. The grant is calculated each year based on the operating expenses of the Foundation and this past fall we received our 2010-2011 grant for \$30,564.00. Different from project specific funding which most granting agencies provide, this funding can be spent on the general operating expenses of the Foundation and Centre.

In addition to operating funding this year we were approved for a one time project grant of \$800 offered by the Ministry to museums in the CMOG program. The funding will be used to support our digital upgrade project by allowing us to purchase a new computer and publishing software.

Snake Hill Chronicles Part

A fictional short story

Snake Hill near Fort Erie, August 1814.

The incessant thrum pounds in my head, like a hundred drums beating at once. I crack open an eye only to slam it shut again, the bright light so intense my head feels like it is about to split in two.

Unfamiliar voices surround me. Who are they? I wonder. A myriad of haphazard recollections hazily float through my mind. I try to remember. There is naught but a thick fog.

Something jabs into my shoulder. I jolt and cry out.

"It's too deep. I cannot reach it with my finger, Mr. Phelps, hand me the ball extractor."

My eyes now wide open. I stare up into the face of my tormentor. An un-assuming man who does not appear to be the type to easily inflict pain on others. However, my mind is quickly changed as he savagely jabs my flesh with what feels like a red-hot poker. I nearly jump out of my skin the pain is so severe.

"Hold him down! I can't get the damn ball out if he's thrashing about."

Firm hands hold me steady as the torture continues, my mind now clear from its mental fog, I try not to think of the pain but instead, focus on the night's events and how I ended up here - in enemy hands. The forlorn hope, we were ordered to attack and take Snake Hill. We did not succeed. Trapped between the battery and the abbatis we were naught but hapless sheep penned up awaiting slaughter. Ordered to remove our flints and take the hill by bayonet we had little chance of success. Grapeshot rained down on my head. I had no choice but to slash, thrust and hack my way through the American pickets. All of a sudden I was knocked off my feet. Then, everything went black. Jolted from my thoughts I hear a jubilant yell.

"Got it!" the surgeon cries as he triumphantly brandishes his blood soaked arm in the air. Grasped in his hand is the ball extractor. Clamped between its two pincers is the blood soaked musket ball that had been lodged in my flesh.

"Mr. Phelps hold him steady. There is still a fragment of fabric from his uniform that needs to be removed."

"Why bother?" I ask.

The surgeon's brows furrowed

"I must extract it or it will fester."

"I am naught but the enemy, why save my life?"

"War sometimes brings out the worst in men, humanity often lost—it is a sad day indeed when one loses their humanity. It is the one thing I have vowed never to lose. I am a surgeon first, a soldier second. My duty is to save lives regardless of what uniform they wear. When I look at you I do not see an enemy. I see a patient in need of my assistance."

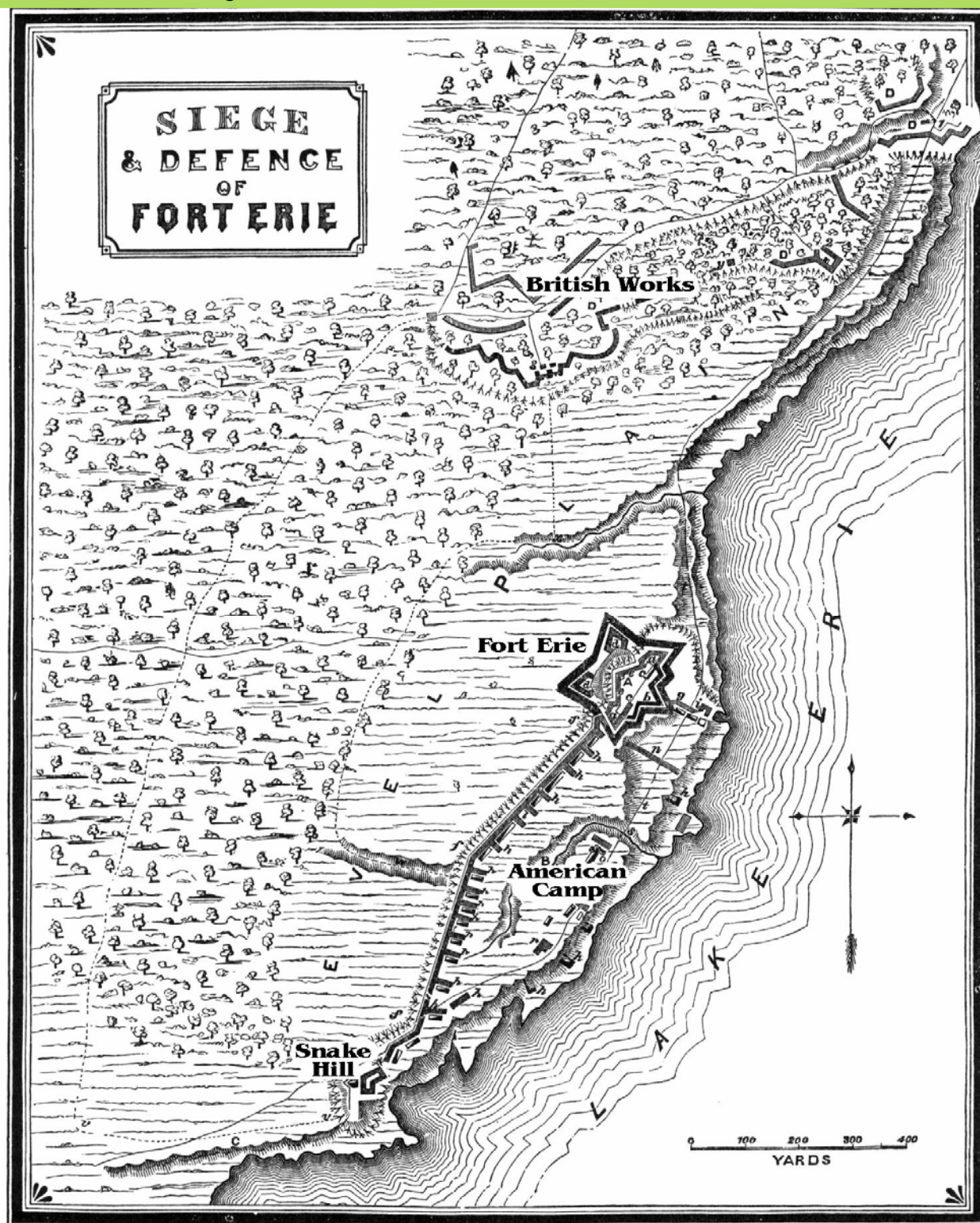
"Now, I must finish with your wounds. I have many more patients in need of my attention." I nod my head and allow the surgeon to probe one last time into my wound. Everything is all of a sudden so clear to me. Other than the colour of our uniforms the enemy is no different than I am. I wonder - how had it happened? Somewhere along the line I had lost my own humanity. With only three months left of my term of enlistment I vow never again to take another life in the heat of battle. God has granted me a second chance at life and I will honour this gift by living the rest of my life in peace.



*The **Treaty of Ghent** was signed by representatives of the United States and Great Britain to officially end the War of 1812 on 24 December 1814. Prisoners on both sides were then repatriated.*

III: In Enemy Hands

by Catherine Raby



Note from the Author: As with Part I and II of the Snake Hill Chronicles the inspiration to write these stories came from reading *Death at Snake Hill* by Paul Litt, Ronald F. Williamson & Joseph Whitethorne (Dundurn Press, 1993). The book documents the 1987 excavation of a United States Military graveyard from the War of 1812 at Fort Erie. If you would like to read the Snake Hill Chronicles Part I and II you can visit our website at www.carf.info/kingstonpast/fiction.php.

Archaeology in Canada

Canada's Oldest English Settlement

The first decade of the 21st Century marked the 400th anniversary of three early North American settlements established by the British, French and Spanish at the beginning of the seventeenth century — Jamestown in 1607, Quebec in 1608 and Santa Fe in 1609. 2010 followed with the 400th anniversary of the oldest official British colony in Canada: Cupids, Newfoundland. Alongside a Royal visit and year-long celebrations, the ongoing archaeological excavations continue to highlight the beginnings of a permanent English presence in the northern half of the New World.

Cupids, originally known as Cupers Cove, was settled in 1610 by John Guy and a party of thirty-nine men. France had just planted its flag at Quebec City in 1608 and while fishing fleets from several European nations had been sailing seasonally to Newfoundland for decades to catch cod or whales, the East Coast remained a dangerous frontier. Piracy and potential rivals from France posed a large threat to the fledgling colony and led Guy to bolster the settlement's modest defences in 1612. Likewise, in 1612 an additional group of colonists, including women, arrived. Colonist Henry CROUT recorded the birth (27 March 1613) of a child to Nicholas Guie and his wife. This birth is the first recorded birth of an English child in Canada. John Guy built two ships to explore and establish relations with the Native Beothuk population. He established contact with the Beothuk in 1612.

In 1995, lead archaeologist Bill Gilbert and his team uncovered a dwelling house, cellar pit, and storehouse related to the establishment of the settlement. Excavations in 2003 revealed a 2 ft. (60.9 cm) wide stone wall that appears to have formed part of a boundary enclosure at the north end of the site. Facing Cupids' harbour, the wall did not cover the complete northern boundary of the site leading archaeologists to believe this was the unfinished replacement of an earlier wooden palisade that was vulnerable to the threat of attack during the early settlement period.

A chance discovery late in the 2007 field season occurred when archaeologists moved a pile of dirt while backfilling the site. A 6 ft. (1.8 m) high early

18th century headstone was revealed directly under where they had been screening their dirt. Further excavation the next summer revealed that this was part of a larger cemetery established by John Guy's party in 1610. This is the oldest English cemetery in Canada and to date ten graves have been uncovered. In September 2010, archaeologists at Cupids discovered the remains of a gun battery with a stone gun platform (seen below) built to mount a cannon overlooking the commanding view of the river valley and harbour. The stone structure appears to match references in archival records describing fortification improvements.

The archaeological excavations at Cupids have revealed a great deal of information about the settlement. It was occupied for approximately 50 years, and from the archaeological remains it was possible to determine that a catastrophic fire destroyed several of the original structures around 1660. Although occupation of the colony continued for some time, settlement shifted to other areas along the northeast Avalon Peninsula. It is believed that Cupids was eventually destroyed by marauding

Continued on page 14...

The gun platform at Cupids when it was first uncovered on 27 September 2010.



Photo: <http://www.bacallieudigs.ca/discoveries.asp>

Around the Centre

An update on the Construction at the K.A.C...

As the construction around the Kingston Archaeological Centre continues there are some exciting new additions to be seen at the Centre. Taking advantage of the large window space on the front of our building we have put an environmental upgrade to work for us. A grant provided by the **Healthy Community Fund** allowed for the addition of custom painted blinds, designed by our Foundation staff and Agnes of **Blinds by Agnes** and has turned our front windows into a work of art!

The first of several creative elements to be added to the building, the blinds are an eye-catching addition that advertise what the K.A.C. is all about. On top of providing us with a unique advertising medium the blinds have a more practical application

for the Centre as part of the many environmental upgrades. The blinds will help us control the climate inside the Centre by reducing heat through the windows during the summer months and providing a physical barrier from damaging UV rays. Both of these benefits help us in artifact and archive preservation.

The blinds have been designed to work with the other artistic elements planned with the installation of the accessibility renovation scheduled for this spring. Check out some images of the new blinds below, and be sure to stop by the Centre to see them in the windows!

- Ashley Gillen



Underwater Archaeology

The End of Treasure Hunting in Nova Scotian Waters

The end of the first decade of the 21st century marked an important step forward in the protection of shipwrecks in Canada. Last fall Nova Scotia introduced legislation to repeal the *Treasure Trove Act*. Enacted in 1954, the law governs treasure hunting on famed Oak Island on the province's south shore. The scope of the original act was subsequently expanded to cover the licensing of shipwreck salvage operations off the coast. Treasure hunters were allowed to keep most of what they found but were required to hand over ten per cent of non-precious artifacts to the province. The intent of the act was to ensure that everything that was found beneath the sea stayed in Nova Scotia. With the repeal of the *Treasure Trove Act* all treasure hunting activities came to an end 31 December 2010.

The new legislation incorporates elements of the existing *Special Places Protection Act*, which carries penalties for those who remove artifacts without a heritage research permit. This is significant as an estimated 10,000 shipwrecks are located off the coast of Nova Scotia. The repeal of the *Treasure Trove Act* will bring the province in line with other Canadian provinces in regards to shipwreck legislation. This will also bring Canada in line with the *UNESCO Convention on the Protection of the Underwater Cultural Heritage*, which Canada has yet to ratify.

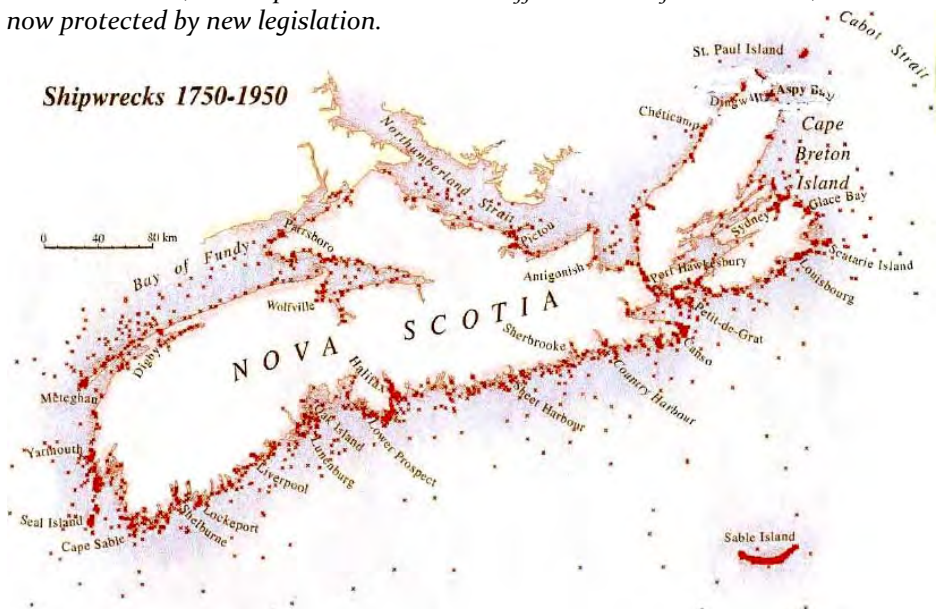
Currently, shipwrecks in Canada are legislated by both the federal and provincial/territorial governments, but protection of these wrecks falls to the province or territory. Federal legislation for shipwrecks falls under the *Canada Shipping Act*. This act applies to all wrecks in navigable waters, but does not afford them protection. The *Canada Shipping Act* was formulated to protect the rights of proprietors from sunken ships, as well as the claims of rescuers. In 2001, the *Canada Shipping Act* was amended to provide for the regulation of "heritage wreck."

However, until new regulations excluding these types of wrecks from salvage are developed, the present *Canada Shipping Act* salvage provisions continue to apply. The responsibility for the development and administration of regulations for the protection of heritage wrecks is shared by Transport Canada and Environment Canada through the Parks Canada Agency.

Provincial and territorial legislation affords for a range of types of protection: from the *Heritage Conservation Act* of British Columbia in which all shipwrecks over two years old are the property of the Province, to Newfoundland and Labrador, Prince Edward Island, and New Brunswick in which all shipwrecks and associated artifacts are the property of the Province. The *Ontario Heritage Act* does not specifically identify shipwrecks as being protected, but three have been designated for special protection: the *Hamilton* and *Scourge* in Lake Ontario; and the *Edmund Fitzgerald* in Lake Superior. Nova Scotia now joins the rest of the provinces in protecting shipwrecks, but perhaps a national policy for shipwreck management would be a better way to protect sites in Canadian waters.

- Nadine Kopp

An estimated 10,000 shipwrecks are located off the coast of Nova Scotia, and are now protected by new legislation.



Artifact Feature

Mower Guard

Mower guards, like that seen in the lower left image, were placed over the triangular blades of horse drawn and early tractor sickle mowers. The mower bar, extending at right angles to the mower, was passed through the crop to be cut as seen in the upper left image of a horse drawn mower cutting hay. Affixed to the bar was a reciprocating sickle composed of numerous triangular-shaped blades. The point or tip of the triangular mower blade was nestled in the recessed area on the underside of the guard leaving the blade edges exposed to cut the crop. The guard saved the blade from damage by obstacles such as logs, stones, etc. On striking these objects, the conical shape of the guard was hoped to

deflect and save the blade. The image on the right shows an upright mower bar with a row of guards protecting the blades. The bar rode along on the ground, supported on a skid at the inner end, and it could be tilted to adjust the height of the cut. Typically, maker's marks were stamped on the underside of the mower guard. This type of farming implement, which dates to the late 19th to early 20th century, was the first successful horse-drawn mower on farms and the general principles still guide the design of modern mowers.

- Nadine Kopp



Upcoming Events

April 27th - Annual General Meeting

See back cover for information.

June 15th - First Capital Day

Where: Confederation Basin

Time: 9 a.m. to 1 p.m.

Look for our booth in Confederation Basin to learn about the archaeology and history of Kingston.

June 18th - Doors Open Kingston

Where: Kingston Archaeological Centre, 611 Princess Street

Time: 10 a.m. to 4 p.m.

Once again we will be participating in Doors Open Ontario. Visit the Kingston Archaeological Centre for tours and to check out our new exhibit in the Interpretive Centre.

June 20th to June 24th - Archaeology Week

Check our website (www.carf.info) in the following weeks for the detailed week-long schedule, but here is a list of exciting events you won't want to miss:

- Kids, enter our archaeology colouring contest for a chance to win a prize.
- "Dig Into the Past" and test your knowledge with our online archaeology quiz.
- Register for our free Intro to Archaeology program for adults and learn what archaeology is all about.
- Do you have an artifact at home that you have always wanted to know about? Bring it in and show an archaeologist.
- Do you know where archaeological sites are located here in Kingston? Participate in our archaeology scavenger hunt and discover Kingston's past.
- Have you ever wondered what it would be like to touch a piece of history? Visit our Centre and participate in the actual processing of an artifact and have a behind the scenes tour.
- To thank our members for their support, we are inviting them to an evening of trivia, judging of our Archaeology Week Colouring Contest, refreshments, and lots of fun!

July 16th - Joint Event with the Frontenac Heritage Foundation "The History and Archaeology of Kingston's Market Square"

Where: Springer Market Square

Time: 2 p.m.

July 27th - Public Day at the "Can You Dig It?"[®] Summer Camp

Where: Penitentiary Museum grounds, 555 King Street West

Time: 2 p.m.

This year the Foundation will be running its 16th annual "Can You Dig It?"[®] summer camp in partnership with the Correctional Service of Canada's Penitentiary Museum. The program offers a week of hands-on experience excavating an authentic archaeological site for participants aged 8 to adult this July and August. Come visit on Public Day to see an excavation underway. Meet both professional archaeologists and camp participants and join them for fun archaeology-themed games, tours and refreshments.



Can You Dig It?®



Take part in an authentic archaeological excavation on the grounds of the Warden's Residence at Canada's first penitentiary

Hosted by the **Kingston Archaeological Centre** in Partnership with **Correctional Service of Canada's Penitentiary Museum**

Learn about archaeology from a licenced archaeologist through this unique hands-on program

July - August 9am - 4pm
(extended care available)

Youth & Adult

T-Shirt and Friday Lunch included
Pre-registration required

For more information visit www.carf.info or call 613-542-3483

Kingston's History Right At Your Fingertips!

This year our camp sponsors include:



Archaeology in Canada *continued from page 9*

French raiders in the winter of 1696-1697.

In the fifteen years since the original John Guy homestead was discovered, over 150,000 artifacts have been uncovered including the oldest English coin ever found in Canada: an Elizabethan silver fourpence minted in the Tower of London sometime between December 1560 and October 1561. Plans for the 2011 excavation season include locating the extent of the cemetery and determining the total number of graves.

- Nadine Kopp

For more information about the Cupids 400th Anniversary visit:
<http://cupids400.com/english/index.php>

For detailed information about the excavations at Cupids visit:
<http://www.baccalieudigs.ca/cupids.asp>

For information on the 400th anniversary of Jamestown, Quebec, and Santa Fe visit:
<http://www.civilization.ca/cmc/exhibitions/cmc/jqs/jamestown01e.shtml>

SUBSOIL is published bi-annually by the Cataraqui Archaeological Research Foundation. The Foundation is committed to the recognition, investigation, and preservation of archaeological resources throughout Ontario. The goals of the Foundation are met through its role as an active centre that sponsors archaeological research, programs of public education and the publication of technical and popular reports on the research conducted by the Foundation.

Levels of annual membership: bronze \$20; silver \$25; gold \$50; platinum \$100. Send cheque payable in Canadian funds to the Cataraqui Archaeological Research Foundation at:

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Help us save trees by going paperless. Let us know if you would like to receive full colour copies of **SUBSOIL** via e-mail in the future.

Don't Forget!
The Annual General Meeting
April 27th, 2011

Where:
Kingston Archaeological
Centre, 611 Princess
Street
Time: 7 p.m.

