

20th Anniversary Celebrations

Bringing Canada's healthcare story to life!

MUSEUM OF HEALTH CARE AT KINGSTON



THE BAILLIEWICK

NOVEMBER 2011

VOLUME 14, ISSUE 1



Figure 1. Vaccination scene by Louis Leopold Boilly, 1807. CREDIT: WELLCOME LIBRARY, LONDON

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History of Health Care: Vaccination

By Dr. James Low, Executive Director



ANN BAILLIE BUILDING
NATIONAL HISTORIC SITE
32 GEORGE STREET, KINGSTON, ON K7L 2V7

Phone: (613) 548-2419

Email: info@museumofhealthcare.ca

www.museumofhealthcare.ca

Charitable No. 87790 3989 RR0001

FALL/WINTER/SPRING: TUES.-FRI., 10AM-4PM

SUMMER:

TUES.-SAT., 10AM-4PM * SUN. NOON-4PM

ADMISSION BY DONATION

Vaccination as a deliberate attempt to protect humans against disease has a short history.

In spite of this, vaccination has had a major effect on the reduction of mortality and length of life

Since the time of Edward Jenner, vaccination has eliminated smallpox. Smallpox was greatly feared as the leading cause of death in the western world in the 18th century. Because of the high mortality with smallpox (25%), the practice of variolation with the smallpox virus had been practiced in eastern societies and was introduced in Britain in 1721. However the subsequent infection was occasionally severe with a

mortality of 1 to 2%.

In 1798, Jenner introduced vaccination with cowpox vaccine as protection against smallpox which rapidly replaced variolation. Although many were anxious regarding vaccination (Figure 1) and in spite of an anti-

Major polio epidemics were one of the most dreaded childhood diseases in the 20th century.

vaccination campaign, vaccination was rapidly accepted. During the 19th and first half of the 20th centuries the methods of vaccination continued to be refined and the quality of the vaccine improved. A worldwide vaccination campaign eliminated

this disease as of 1979.

Poliomyelitis was first recognized in 1840 and the polio virus was identified in 1908. Polio was an endemic pathogen until the 1880s when major epidemics

>> Continued on page 7



Guests enjoy cocktails and mingle at our February 'Nostrums & Nibbles Gala' event.



KGH Nurses' Alumnae members Judy & Marionrose mend a young participant's stuffed animal at our Family Day 'Teddy Bear Hospital' program.



Dr. James Low provides a public lecture on 'Contagious Diseases During the 19th Century' during Heritage Week in February.



Docent volunteer Richard Huang mixes up a batch of "snot" during our 'Snot & Whatnot' March Break Programs.



Alumnae from the KGH School of Nursing Class of 1956 explore our 'For Service to Humanity' Nursing Gallery during a reunion visit in June.



Dianne Dodd and James DeJonge pose in the Museum following their public lecture during Nursing Week in May.



Public Programs Assistants Tabitha Renaud and Melissa Sit stand in front of the Museum's First Capital Day booth in June.



Public Programs Assistant Tabitha Renaud teaches basic sign language as part of the 'Our Sensational Senses' summer family programs.



A young participant enjoys our 'Balloon BLAST Scavenger Hunt' as part of the city-wide 'Loud Day!' event in May.



Volunteer Meredith Lamptey interacts with a young participant in our Children's Gallery at the 'Science Rendezvous' event in May.



Summer staff members Melissa, Tabitha and Erin interact with their colleagues at the 'Kingston Museums Summer Staff Round Robin' event in July.



KGH Nurses' Alumnae members Clare Rayner (far left) and Ann Gay (far right) presented the Museum's 'Nursing Week Trolley' at KGH in May.



Museum Manager & Program Director Catherine Toews leads the 'Funny Bone Friday' program during United Way Success By 6 Week in May.



Public Programs Assistant Tabitha Renaud leads a gallery tour at Doors Open Kingston in June.

HIGHLIGHTS FROM OUR

20th Anniversary Celebrations

THUS FAR...

Teeth in Time:

Selections from the Dr. Ralph & Mrs. Olga Crawford Dental Collection

By Kathy Karkut, Collections Manager

In mid-April 2011 a selection of dental implements from the recently acquired Dr. Ralph & Mrs. Olga Crawford Dental Collection were arranged in five cases to create an exhibit entitled *Teeth in Time* in one of our recently renovated galleries. The exhibit was completed in time for Dr. & Mrs. Crawford to be our guest speakers at our annual Volunteer Appreciation Luncheon. Of all the interesting objects on display, our visiting public find two items extremely fascinating: the Bucktooth Man and the strings of Waterloo Teeth.



"The Bucktooth Man"

These dentures were fabricated by a handy woodsman Francis Wharton of Little Fort, British Columbia in the late 1960s with plastic wood, deer teeth and household cement. He created the base of the dentures by moulding the plastic wood to the shape of the roof of his mouth. He killed the deer, extracted the teeth and sanded them for three hours to create the right shape before adding them to the wood. The deer's teeth were

then fitted into place and held there with household cement. Of course he had venison for dinner to test out his new dentures!



Waterloo Teeth

The term "Waterloo Teeth" refers to extracted human teeth used to fabricate dentures during the 19th century. Dead soldiers on the battlefields of Waterloo and subsequent wars were the initial source for human teeth. Other sources included cadavers from graveyards and crypts. Many grave robbers in 1870 could make about \$1,000 in equivalent 21st century funds. Teeth were then attached to hand carved ivory bases with metal rods and metal hooks and clips were used to attach the teeth to the mouth. Many re-used teeth brought infections to the new user. Human teeth were sold to dentists until the early 20th century.

We are indebted to Young Canada Works (YCW) Building Careers in Heritage through the Canadian Heritage Information Network for providing a six month grant to hire a Collections Intern, Sophie Malek, to catalogue and photograph the first 416 items in the collection. Malek, a recent graduate of the University of Western Ontario's Public History Master's Program, gained hands-on museum experience handling, cataloguing and photographing this specialty medical history collection as well as organizing a warehouse for permanent storage. She is now very familiar with the interesting history of dentistry including dental tools, chairs and dentures. Museum Collections staff is indebted to Sophie for her excellent work and wish her well in obtaining a career in museums.



Now ONLINE: *From the Collection* Artefact Profiles Feature

<http://artefact.museumofhealthcare.ca>

From the Collection features short illustrated profiles for many objects, images, and documents in the Museum's fascinating collections. As you explore, you will encounter a wide array of artefacts, books and documents, works of art, and photographs representing diverse collections, themes, historical events, persons, medical disciplines, and curiosities – the "treasures" of the collection. An enhanced "zoomify" feature allows you to scroll over the objects to obtain a magnified view.

All of the Museum's collection can be found in our on-line database. But with more than 30,000 objects we know that it is easy to miss many of our most intriguing items. *From the Collection* provides a more complete interpretation of what an artefact is and how it fits into broader themes. These profiles also provide links to other similar objects in the collection, thus making searching on a health care subject even easier than before.

Have fun exploring some of the wonders of our healthcare past!



FUNDED BY THE ONTARIO MUSEUMS AND TECHNOLOGY FUND. THE SUPPORT OF THE GOVERNMENT OF ONTARIO, THROUGH THE MINISTRY OF TOURISM AND CULTURE, IS ACKNOWLEDGED.

WELCOMING NEW FACES



Brittany Webster joined the Museum as a digital photographer. While studying Art Conservation at Queen's, she photographs and

edits photos for the Museum as part of the Work Study program. She has been able to photograph many unique health-related artefacts and enjoys working with the wonderful staff at the Museum!



Joshua Ferreira joined the Museum as a digital photographer and editor and had an awesome time working with the artefacts and other

staff at the Museum. Josh graduated from York University with a Bachelor of Fine Art and from Queen's University in May 2011 with a Bachelor of Education. In his spare time Josh plays and coaches rugby and hopes to join a school board in the Kingston area to continue coaching.



The play of lights and shadows has always fascinated **Ehsan Roshani** so he joined the Museum as a digital photographer.

Ehsan is completing the final year of a Ph.D in civil engineering. He enjoys photography and his goal is to bring a sense of life into objects with good lighting and perfect composition. Ehsan is honoured to be working with the wonderful people in the Museum.



Tabitha Renaud was a Public Programs Assistant* in the summer of 2011 and continues on as a volunteer docent. She's starting her doctorate

in History at Queen's University, specializing in the Age of Discovery. She loved creating children's programs, especially researching healthcare in medieval times. She would enjoy a career teaching public and academic history. Tabitha likes gardening, cooking, knitting and plays the saxophone.



Melissa Sit was one of the Public Programs Assistants* in the summer of 2011 and continues on as a volunteer docent. She is currently completing her fourth year of

the Concurrent Education program at Queen's University, with a history major and math minor. One of her many projects this summer involved the development of an education program and activity boxes based on the new children's gallery. She hopes to teach high school internationally following graduation. Her interests include history, education, hot yoga, capybaras and tea!



Meredith Lamptey graduated from the University of Windsor with a degree in Forensic Science concentrated in biology. She had the opportunity to fulfill

a Alternate Practicum placement with the Museum as part of her education training at Queen's University. Meredith's passion for learning and working with others made developing many programs and assisting school groups at the Museum an enlightening and rewarding experience.



Jeff Sobil is the Museum's 2011 Margaret Angus Research Fellow. His project focuses on the history of prosthetic limbs. Originally from Haliburton, Jeff

completed a Bachelor of Arts (Honours) degree in History at Queen's University. Jeff hopes to one day be accepted into medical school and work on improving health and education amongst youth.



Tanya Szulga joined the Museum as a Collections Intern for the summer of 2011 as part of her studies in the Museum Management and Curatorship program at

Fleming College. Originally from Merrickville and Ottawa, Tanya hopes to become a curator at a small to medium size museum!



Erin Manning joined the Museum as a Curatorial Assistant* for the summer of 2011 before returning to her studies in the Applied Museum Studies Program at Algonquin College. Originally from

Ottawa, Erin hopes to become a museum curator or collections manager!



Vanessa Dal Bello recently joined the Museum as a volunteer docent. She received her B.A. in History from Trent University and is in the process of completing her Bachelor of Education

at Queen's. Although she is interested in many aspects of the Museum, she is especially interested in children's programs.



Education Programs volunteer **Nona Mariotti** is a former Toronto elementary school principal who retired to a lake north of Kingston a few

years ago. Nona brought two of her visiting granddaughters to the Museum's *Our Funny Bodies* March Break Programs in 2009 and was influenced by the girls' participation and enjoyment of the activities. Nona recognized the Museum's educational hands-on programs could involve more direct curriculum implications for educators and has since provided valuable contributions as a curriculum advisor and program presenter. Curriculum matching to the Museum programs encourages educators to bring their classes to participate more in the Museum of Health Care's hands-on education programs.



Stephanie Stobbe is a graduate of the University of Western Ontario and is currently working on her Master's degree in Biology at Queen's. Her research investigates how cells decide

when to divide. She began volunteering at the Museum as a docent and special events volunteer this past spring because she likes learning and getting others excited about science! In her spare time Stephanie likes to play soccer, and kiteboard.

*Funding for this project has been made possible in part through a contribution from the Young Canada Works in Heritage Organizations program, Department of Canadian Heritage. / Le financement pour ce projet a été rendu possible en partie grâce à une contribution de Jeunesse Canada au travail dans les établissements du patrimoine, une initiative du ministère du Patrimoine canadien. // ** This work is funded in part by the Young Canada Works Program at Canadian Heritage. / Ce projet est financé dans le cadre du Programme de Patrimoine canadien.



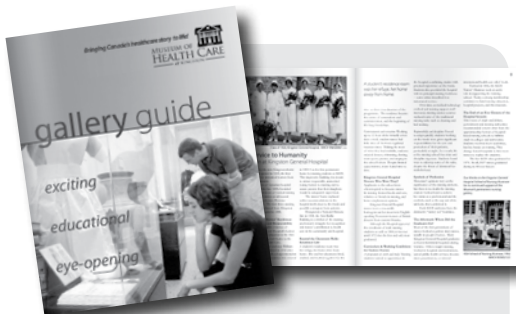
Meaghan Eckersley is excited to join the Museum team as the new Young Canada Works Curatorial Intern - Digitization & Cataloguing**. She

studied Anthropology at the University of Toronto, with a focus on Biological Anthropology and Archaeology and then returned to Fleming College to pursue a post graduate certificate in Museum Management and Curatorship. It was here that she discovered the magic of museums and their collections and has never looked back! During her work term, Meaghan will be cataloguing dental and gynecological artefacts, assisting with research and writing blog posts! When not at the Museum, Meaghan enjoys reading, knitting, and spending time with her husband Mike and their two cats Alice and Lulu.



Jennifer Pettey recently joined the Museum as a volunteer docent. She graduated from Wilfrid Laurier University with a degree in History and

Religion and Culture. For the past 2 years she has been an ESL teacher in South Korea, and spent some time traveling Southeast Asia. She is a newcomer to Kingston, studying at the Faculty of Education at Queen's University. She loves working with children, and getting them excited about history and learning in an engaging way! She hopes to become a Primary/Junior teacher one day and when not lesson planning, you can usually find her curled up with a good book.



Gallery Guide Now Available!

Our recently released Gallery Guide offers background information and curatorial comments about the Museum's on- and off-site exhibitions. Learn about health care history at home or enhance your next self-guided tour! Available for pick-up at the Museum or for viewing/downloading/printing on the "Exhibitions" section of our website: www.museumofhealthcare.ca



Board member Marilyn Boston presents Paul with a pair of Kingston General Hospital School of Nursing Class of 1963 graduation cufflinks on behalf of the KGH Nurses' Alumnae.

Congratulations & Goodbye

After seven years with the Museum of Health Care, former Curator **Paul Robertson** decided to move on in April 2011. The Museum of Health Care thanks Paul for his many years of innovative, exciting curatorial work and wishes him all the best in his new position as City Curator, Cultural Services - City of Kingston.



Hello & Welcome

Pamela Peacock joined the Museum as Assistant Curator in September. A recent graduate of the doctoral history program at Queen's University, Pamela also achieved her Master's of Museums Studies from the University of Toronto. She has previously worked at Fort Henry and completed an internship at Black Creek Pioneer Village. When she is not prepping for the courses she teaches in the history department of the university, she enjoys kayaking, running, and playing basketball.

In Memoriam



DR. PETER WARREN

Museum staff mourns the loss of physician, scholar, and Museum of Health Care National Advisory Board member Dr. Peter Warren, who passed away on May 3, 2011.

Dr. Warren came to Winnipeg from Britain in 1971. He served as a respirologist at the St. Boniface Hospital and the Health Sciences Centre. He was also the President of the Lung Association of Manitoba and the Canadian Thoracic Society.

Dr. Warren also had a passion for history. He was one of a small number of clinical historians in Canada. He had a concern for the History of Medicine in the medical curriculum, and was active in the student History of Medicine Days and the Discovery Days for the Canadian Medical Hall of Fame.

At the time of his death, Dr. Warren was President of the Canadian Society for the History of Medicine and Chair of the History and Heritage Advisory Committee, Royal College of Physicians and Surgeons of Canada.

Dr. Warren provided valuable counsel for the National Advisory Board and the Museum of Health Care. He will be missed.

Welcome to Our New National Advisory Board Members:

*Alice Baumgart, PhD
Ralph Crawford, DMD
Sarah Jane Dumbrille
Peter Glynn, PhD*

Family Activity Packs

Free Fun Without an Appointment

By Tanya Szulga, Collections Intern

Throughout my summer working at the Museum of Health Care, I developed a set of Family Activity Packs as part of my Fleming College internship. My intention with this project was to create free, age-appropriate experiences for families who casually visit the Museum.

With exhibition-specific, hands-on activities that can be carried from gallery to gallery, the packs are meant to increase interactions and conversations between children and their parents about what they are seeing at the Museum and how health care has developed over time. Parents or older siblings hold the written instructions and answers, and lead children on an in-depth exploration of each gallery. The goal: create a better visitor experience for any age, with a higher retention of information.

While many local museums, including the Museum of Health Care, offer activities and programs to bring history to life and make the concepts of the museum engaging, they are usually by registration only and run at programmed times. This is understandable as they require staffing to coordinate. For the Museum, I wanted to take it beyond the popular scavenger hunts and activity sheets already available for casual family visits by adding a drop-in program that requires no additional staffing, but still provides an engaging experience for visitors with children.

Family Packs are a program that has been implemented in various museums worldwide, such as the Victoria and Albert Museum in London, England, and the MacLachlan Woodworking Museum here in Kingston.

The prototypes

My research resulted in two models of activity pack: one pack named *Doctor on the Go* is intended for an 8- to 12-year-old audience and the other is *Healthy, Happy Children*, intended for 3 to 8 year olds. Two very helpful and insightful families tested these prototypes, which



First family tests prototype in the Nursing Education Gallery

led to some surprising results.

The first family spent two hours in the galleries exploring the activities in both *Healthy, Happy Children* and *Doctor on the Go*, which doubled the time they anticipated spending at the Museum. They found the first pack so enjoyable that they decided to stay and complete the second. Activities that were anticipated to be completed quickly were explored thoroughly, and the participants took the activities beyond the suggested instructions, drawing connections between the activity, the gallery and their personal life. The adult of the group stated on her evaluation form that “The girls felt more ownership of the experience.” This prototype test demonstrated that the pack fulfilled all the goals I had set.

The second family, with 3 children under 7, tried out *Healthy, Happy Children*. The experience was very pleasurable and the only glitches occurred as a result of one package of crayons being shared among three children. This family enjoyed activities that the other testers had said were their

least favourite activity, which reinforced my idea that the pleasure of each gallery is found in the individual family.

After these testing sessions, I was able to work out the remaining kinks in the activity packs (the prototypes went through three transformations in total), and then stationed the packs at the Museum’s reception desk, ready for visiting families.

Many thanks to the families who tested the packs for their essential contributions, and to Fleming College Museum Management & Curatorship Program for instilling the importance of projects like the activity backpacks on their students. Thanks also to Cindy Culford, Catherine Toews, and Kathy Karkut for the guidance and direction during the development of this project.

Family Activity Packs are one of many fun and educational ways for families to spend time together at the Museum. We offer special family programs throughout the year, and we recently began offering hour-long Play Dates by appointment for groups of between 4-10 children. Visit www.museumofhealthcare.ca or call (613) 548-2419 for more information!

Vaccination... *continued from page 1*

began to occur in Europe; soon after widespread epidemics appeared in America. Major polio epidemics were one of the most dreaded childhood diseases in the 20th century.

Poliomyelitis is highly contagious but fortunately many infections do not affect the central nervous system. The poliomyelitis infection that does spread along certain nerve pathways and destroys motor neurons leading to spinal polio in 79% and bulbospinal polio in 21%. The latter required management in the iron lung, a symbol of the seriousness of this infection. Vaccines to prevent polio included the Salk vaccine, an inactivated polio vaccine in 1952, and the Sabin vaccine, a live attenuated oral vaccine in 1955 that became the vaccine of choice in 1962. Worldwide use of this vaccine has largely eliminated this distressing disease.

Vaccines introduced in the 20th century have limited 9 other major diseases in parts of the world: diphtheria, tetanus, yellow fever, pertussis, measles, mumps, rubella, typhoid and rabies.

Influenza, a viral infectious disease, spreads around the world in seasonal epidemics resulting in the deaths of between 250,000 to 500,000 people each year. Three major pandemics in the 20th century have led to millions of deaths, each due to a new strain of the virus.

Vaccination against influenza is made available each year in Canada. The trivalent influenza vaccine contains purified and inactivated antigens and has a very low reactivity. The challenge each year is that the influenza virus evolves rapidly and new strains replace the virus of the previous year. Thus new vaccines are constantly created.

It is important to support vaccination programs.

Remember: "An ounce of prevention is worth a pound of cure."

The articles on these two pages were originally posted on the Museum's Blog (museumofhealthcare.wordpress.com), which is regularly updated with new entries by Dr. Low and other Museum staff and volunteers. We welcome your feedback!

Thank you for your Patronage to our Hall of Honour Exhibits at Kingston General Hospital

By Tanya Szulga, Collections Intern



Erin Manning (L) and Tanya Szulga (R)

Over the past twenty years the Museum has created exhibits for the Kingston General Hospital's Hall of Honour. Recently KGH staff is working on a new redesign of this area and as part of that design asked the Museum to remove the exhibits for construction and carpet removal.

To facilitate the dismantling of the four current exhibits, two museum studies students - Tanya Szulga, Collections Intern from Fleming College and Erin Manning, Collections Technician from Algonquin College - were engaged to lead the multi-faceted process of returning the items to the Museum and loaned items, cleaning and preparing for storage all objects.

Dismantling the exhibits on display in the KGH Hall of Honour began weeks before the actual removal process commenced. Tanya Szulga prepared detailed exhibit artefact lists, storage location charts and supply lists to ensure that all objects would be properly transported back to the Museum, had 'homes' in the storage areas to return to,

CURATORIAL CORNER

and to ensure that the information on the database would be up-to-date and complete with pictures of all items by the end of the process. She also created a step-by-step guide to prepare for the removal process and make the days of

dismantling as smooth and problem-free as possible.

In June, Tanya and Erin began dismantling the *White Plaque: Fighting TB, Beyond Ether: Anesthesia, and KGH Auxiliary* exhibits.

The process of opening the cases, safely

removing the artefacts, and cleaning up the cases had its ups and downs. Some artefacts had been on display for a long time and required very careful treatment while moving and transporting to the Museum next door. All the artefacts on display have been safely moved back to the Museum. Loaned objects were returned and objects without photographs were processed and added to the online database. The items you remember from this exhibit will be viewable through the "Research & Collections" section of our website (www.museumofhealthcare.ca).

Throughout the process the pair was constantly stopped by KGH staff and visitors who expressed how pleased they were over the years to see the items on exhibit, and sad that the exhibits would not be returning again soon. An era comes to a close with the removal of this group of four exhibits. Museum staff eagerly wait for a nod from KGH staff that new medical history topics can be researched, items selected and installed for the viewing public.



Museum of Health Care Online Gift Shop

www.cafepress.ca/museumofhealthcare

From apparel to calendars & drink ware, find gifts that tell the story of Canada's healthcare history. Museum of Health Care Gift Shop products feature artefacts from our collection and make great gifts for history buffs, medical professionals, or anyone who cares about preserving the legacy of health care. When you make a purchase on the Museum's online gift shop, your support helps us advance the Museum's mission and spread the word about our work.



Give a Museum Gift Membership

This is the perfect gift for those who want to connect with a museum community and care about preserving the legacy of health care. In addition to normal member benefits, the recipient of your Gift Membership will receive an introductory welcome package explaining the gift they've received. If you choose to include a Gift Circle donation on behalf of your Gift Membership recipient, they will also receive a complimentary Anne Baillie Building pewter collectable ornament (while supplies last) and, as with any donation, you will be supplied with a charitable tax receipt.

To give a Museum of Health Care membership, download the Gift Membership form at www.museumofhealthcare.ca/get-involved/, or call us at 613-548-2419.



SAVE THE DATES: UPCOMING 2012 PROGRAMS



Teddy Bear Hospital

Family Day Program for Ages 3 to 8

Monday, February 20

10:30 am to noon OR 1:00 to 2:30 pm

At the Museum (32 George St.)

\$5/child (no charge for adults)

PRE-REGISTRATION REQUIRED

Back by popular demand! Bring your teddy bear or other special stuffed animal to the Museum of Health Care this Family Day! Our trained teddy doctors and nurses will be on hand to examine and treat your beloved toy's bumps, lumps, and bruises! Learn, laugh, and discover why doctors and hospitals aren't so scary after all! The event will include a special storyline, tasty snacks, and a hands-on craft activity. Suitable for ages 3-8, with adult accompaniment. Pre-registration required. To register call (613) 548-2419 or e-mail info@museumofhealthcare.ca.



Yum, Yum, MUNCH!

March Break Programs for Ages 6+

Wednesday, March 14 from 10am to noon OR

Thursday, March 15 from 10am to noon OR

Friday, March 16 from 10am to noon OR

Friday, March 16 from 2pm to 4pm

At the Museum (32 George St.)

\$5/child (no charge for adults)

PRE-REGISTRATION REQUIRED

Dive in and discover what happens to the food you eat during a hands-on adventure through the twisty, turny world of the digestive system! Super-charge your energy levels with a series of activities all about healthy eating and digestion that are sure to get your tummy rumbling. Suitable for ages 6 & up (parents welcome). Pre-registration required. To register call 613-548-2419 or e-mail info@museumofhealthcare.ca.