



# SCARLETT JANUSAS ARCHAEOLOGY INC. QUARTERLY NEWSLETTER

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## INTERESTING FINDS

Recovered from a 19th century privy in Brantford, this near complete glass syringe was an interesting find for SJAI.

Glass syringes have been used for almost 1000 years, but the hypodermic needle was first invented by the Irish physician Francis Rynd in 1844.

Improvements over the following years allowed for a needle fine enough to inject into the skin by the 1850s. Hypodermic needles were originally used for the injection of morphine for pain relief.

The syringe in the picture below was one of three different syringes recovered from AgHb-676. This indicates that at least one of the occupants of the site was dealing with some form of injury or sickness.

Source: <https://omnisurge.co.za/the-history-of-the-syringe/>



## WHO WE ARE... AND WHAT WE DO

Scarlett Janusas Archaeology Inc. is a full-service archaeological consulting firm that conducts land, underwater/marine archaeological assessments and cultural heritage assessments.

SJAI has been in business since the early 1980s and has conducted Stage 1 to 4 archaeological assessments across Ontario. We have experience excavating Indigenous prehistoric sites, Euro-Canadian farmsteads, and urban brownfield sites as well as doing both large and small Stage 2 surveys in a variety of settings.

We are the leader in Ontario marine archaeological surveys. We have conducted work in Lake Ontario, Lake Erie, Lake Superior, Georgian Bay, and on rivers, lakes, dams, and canals. Projects conducted by SJAI include: pipeline surveys, the search for missing airplanes, erosion control projects, marina and harbourfront development, land infilling projects, conservation projects, and underwater survey (side-scan sonar, magnetometer, sub-bottom profiling, ground-truthing, excavation and recording of marine resources).

We have experience with large cultural heritage assessments including: green energy projects, industrial blocks, small and large developments, and linear corridors.

We have conducted numerous large field projects and some of our clients have included: Northland Power, Schneider Power, Skypower, Longyuan, Invenergy LLP, NextEra/Enbridge, Canadian Solar, Verdant Energy, Helimax, Ontario Hydro, Blackbird Constructors, City of Owen Sound, Parks Canada, TRCA, BT Engineering and IBI Group, to name just a few.

Additional services offered by SJAI include interpretative displays, and educational workshops and presentations for students and corporate retreats.

SJAI has good working relations with Indigenous communities including M'Cheeing (Manitoulin Island), SON (Saugeen Ojibway Nation), Six Nations, Curve Lake First Nations, Christian Island First Nation, and Huron-Wendat.

We have representatives in Owen Sound, Kingston, the Greater Toronto area, Hamilton, London, Peterborough, Niagara-on-the-Lake and Tobermory.

## SJAI NEWS AND ANNOUNCEMENTS

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### INDUSTRY NEWS

**Ontario Archaeology Society  
Annual Symposium on Nov 1- 3  
2019, Toronto, Ontario**

<https://www.ontarioarchaeology.org/>

**Council for Northeast Historical  
Archaeology Annual Conference  
on November 7-10, 2019, Lake  
George, New York**

<https://cneha.org/conference.html>

**Mayans conducted 'total war'  
much earlier than thought**

<https://cosmosmagazine.com/archaeology/maya-ns-conducted-total-war-much-earlier-than-thought>

**Welland Canal's shipbuilding  
past to be unearthed**

<https://www.stcatharinesstandard.ca/news-story/9157553-welland-canal-s-shipbuilding-past-to-be-unearthed/>

<https://brocku.ca/brock-news/2019/01/excavation-of-abandoned-shipyard-among-innovative-brock-projects-awarded-federal-funding/>

### TIPS FOR OUR CLIENTS

Large or small, make sure to stake or flag in your property boundaries for your archaeological assessment.

### ARCHAEOLOGICAL TERMINOLOGY

**Stratigraphy:** a vertical section through the earth showing the relative positions of the human artefacts and therefore the chronology of successive levels of occupation ([Collins Dictionary](#))

The 2019 Field Season is in full swing at SJAI.

A wet spring has been followed by a hot and muggy summer and our new employees: **Emma McClymont** and **Meghan Bush** have survived and thrived in all the nasty elements that can come with the job including: ticks, thorns and poison ivy. But everything is forgotten in the joy of an archaeological find!

We have been busy working on both land and water, as well as getting a number of new programs up and running.

The **Raise the Arrow Project**, of which SJAI is a proud member, continues its search for the Avro Arrow models.

The AVRO Arrow would have been the world's fastest supersonic interceptor jet in the 1950s, and would have been held in equally high regard today, so progressive was its design. Unfortunately, the program was considered to be too expensive and was shut down. All the planes were ordered destroyed, as well as all blueprints and anything to do with program. As a result of this unusual approach to ending a program, many conspiracy theories have been put forth with regard to the so-called real reasons for the programs demise.

Scarlett Janusas is the project archaeologist for this exciting search for the 1950's AVRO Arrow models. We have been conducting side-scan sonar, ground-truthing, and dive reconnaissance of a large area in Lake Ontario near Prince Edward County in waters ranging in depth from just a few metres to over 70 metres since 2017.

In 2018, we raised a precursor to the model, a delta test tracking vehicle, and coordinated its' conservation and display.

This summer we continue the search!

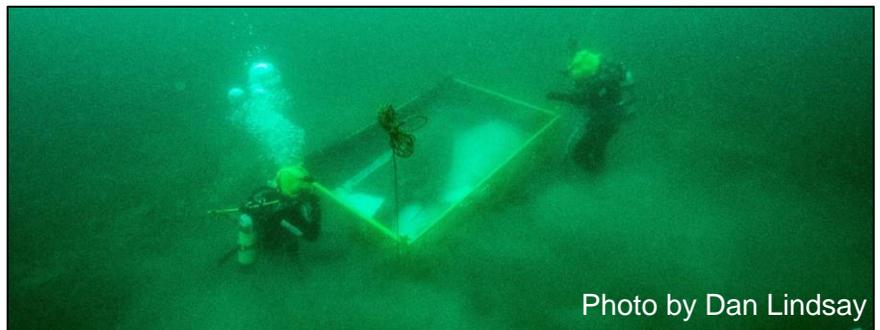


Photo by Dan Lindsay

**Dr. Kimberly Monk**, an associate of SJAI and U of Brock professor is currently excavating the Shickluna Shipyard in St. Catherines. This was one of the most important shipbuilding centers in Canada during the 19<sup>th</sup> century. See the link under [Industry News](#) for more information on this project.

SJAI has also been revamping its **Education Programs** with new workshops and seminars for people of all ages. Make sure to check out our website ([www.actionarchaeology.ca](http://www.actionarchaeology.ca)), or email us at [jscarlett@amtelecom.net](mailto:jscarlett@amtelecom.net) for more information on these programs.

## RECENT PROJECTS

In the spring of 2018 SJA I started excavations on half a city block in Brantford. The area was classified as urban brownfield and had been paved over. Using an excavator, a series of trenches were dug to determine whether any of the soil stratigraphy below the paving had remained intact. The trenching revealed a number of features, as well some intact stratigraphy.

The archival literature and mapping showed the presence of a number of outbuildings, a brass foundry, and the old Brantford Opera House. The excavation of the property identified the Opera House foundations (in-filled with refuse), the house foundations (also in-filled with refuse), the foundry floor, as well as a number of privies (five to be exact), a cistern, drains and refuse pits.

The names, occupations and religious denominations of a person can be garnered from Census and Tax Rolls, and Fire Insurance Maps can assist in identifying former building locations and uses. However it is archaeology that informs our understanding of the daily lives of the people who once occupied these houses.

Nearly every property on the block had a privy, otherwise known as an outhouse. Privies were often used to deposit all forms of household waste. The different types of artifacts found within them can help one identify the nitty-gritty of the occupants' daily lives, including: what they ate, what types of drugs they used and even what types of toys their children played with.

Decorative patterns on both glassware and tableware items can help one identify popular or available patterns in the neighbourhood, as well as giving a glimpse of personal preferences.

Privies as well as other archaeological features are an important part of the picture in identifying and helping us to understand the history of the areas we excavate. By digging through the garbage of the past we get a glimpse into the lives of the people who created that refuse.



# FREQUENTLY ASKED QUESTIONS

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## **Q: Who keeps the artifacts?**

**A:** This is a question we are asked regularly, and sadly, the answer is ambiguous. The rules differ depending on whether or not the land is federally owned (e.g. national parks, First Nation reserves, etc. – in these cases the federal government retains records and artifacts). The government of Ontario does not “assert” ownership of the artifacts, but sets out the regulations governing archaeology in the province.

1. Only a licensed archaeologist may collect or excavate artifacts.
2. Under the license, the archaeologist is charged with holding the artifacts in trust for the people of Ontario.
3. The archaeologist can transfer the collections to an approved (by the MTCS) public institution such as a museum, etc.

The Ministry sums it up by saying “every resident of Ontario owns them [artifacts], but no single individual does”.

This is an additional regulatory obligation to the archaeologist who now has to store and manage the collections.

For more information check out the MTCS website:

<http://www.mtc.gov.on.ca/en/archaeology/archaeology.shtml>

## **Testimonials**

“SJAI conducted Stage 3 and 4 archaeological investigations at multiple locations for a large P3 highway project (Highway 407 East Phase 2). The project was on fast track schedule with rigid performance requirements. Scarlett met our demanding schedule by mobilizing several crews and working at multiple locations at the same time. Scarlett and her experienced staff demonstrated a strong commitment to achieving our goals and completing their work in a professional manner.” *-Dave Keys, Environmental Manager, Blackbird Constructors*

## **Contact Us**

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