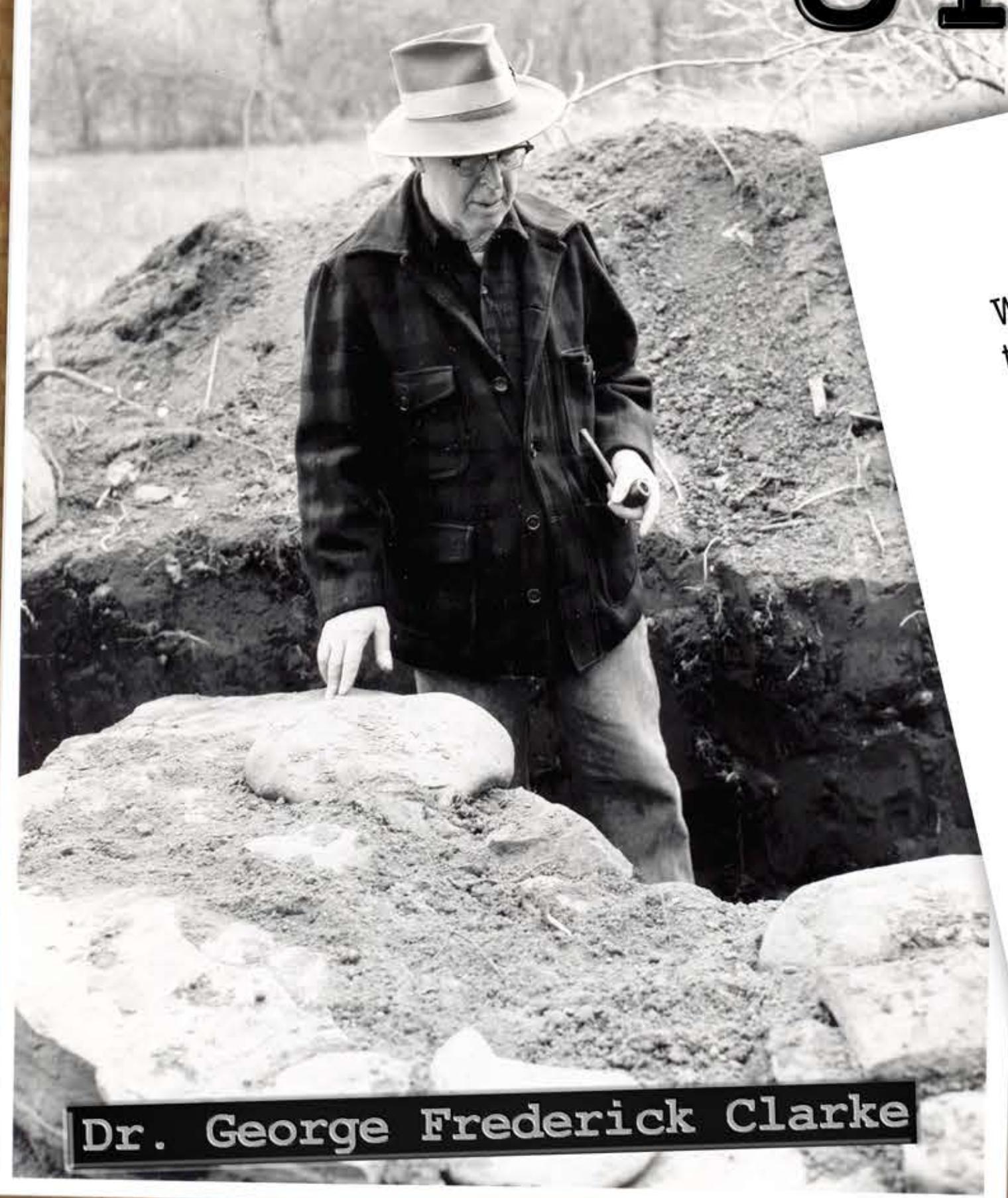


# UNSOLVED MYSTERIES OF NEW BRUNSWICK ARCHAEOLOGY

Selections from the

## George Frederick Clarke Collection



Dr. George Frederick Clarke



Bifacial Scraper,  
Tobique River



Tobique Bifacial Scraper

dark-coloured, opaque, waxy, variegated chert. The origin of this chert is not known; it may be exotic to the place where it was found.

Detective Ramona A. Nicholas

Bi-Pointed Biface,  
Bristol,  
St. John River

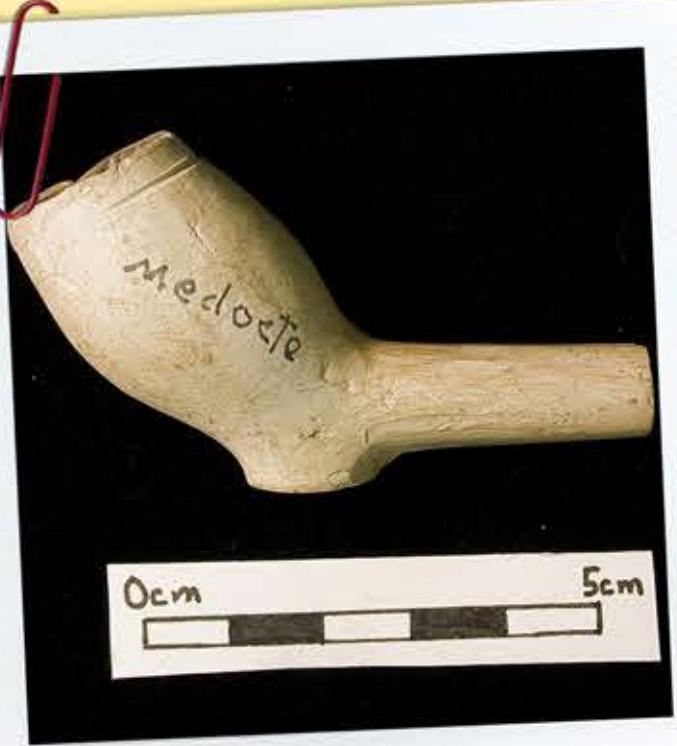


Bristol Bi-Pointed Biface

This biface is one of an apparent cache of similar bifaces surface-collected and excavated from a terrace of the St. John traditional territory of the Wolastogiyik. The biface has a symmetrical, laurel leaf shape, at a maximum of 1.1 cm wide, and very thin for its size. It is made by bifacially retouching a large flake of dark, fine-grained variegated volcanic material. The pointed tip of the biface exhibits an area of unusual grinding or wear striations; the opposite end appears to retain part of the striking platform of the original flake. Bifaces as strongly bipointed as this one are unusual in the regional archaeological record. However, since the cache contained several large stone projectile points resembling the Adena type (Hanson 2011), it is likely that this biface dates to the Early Woodland period (3100-2200 BP), a complex and poorly understood part of the regional culture-history sequence.

Detectives Kristine A. Roesler and David W. Black

Historic Ceramic Tobacco Pipe, Meductic Flat



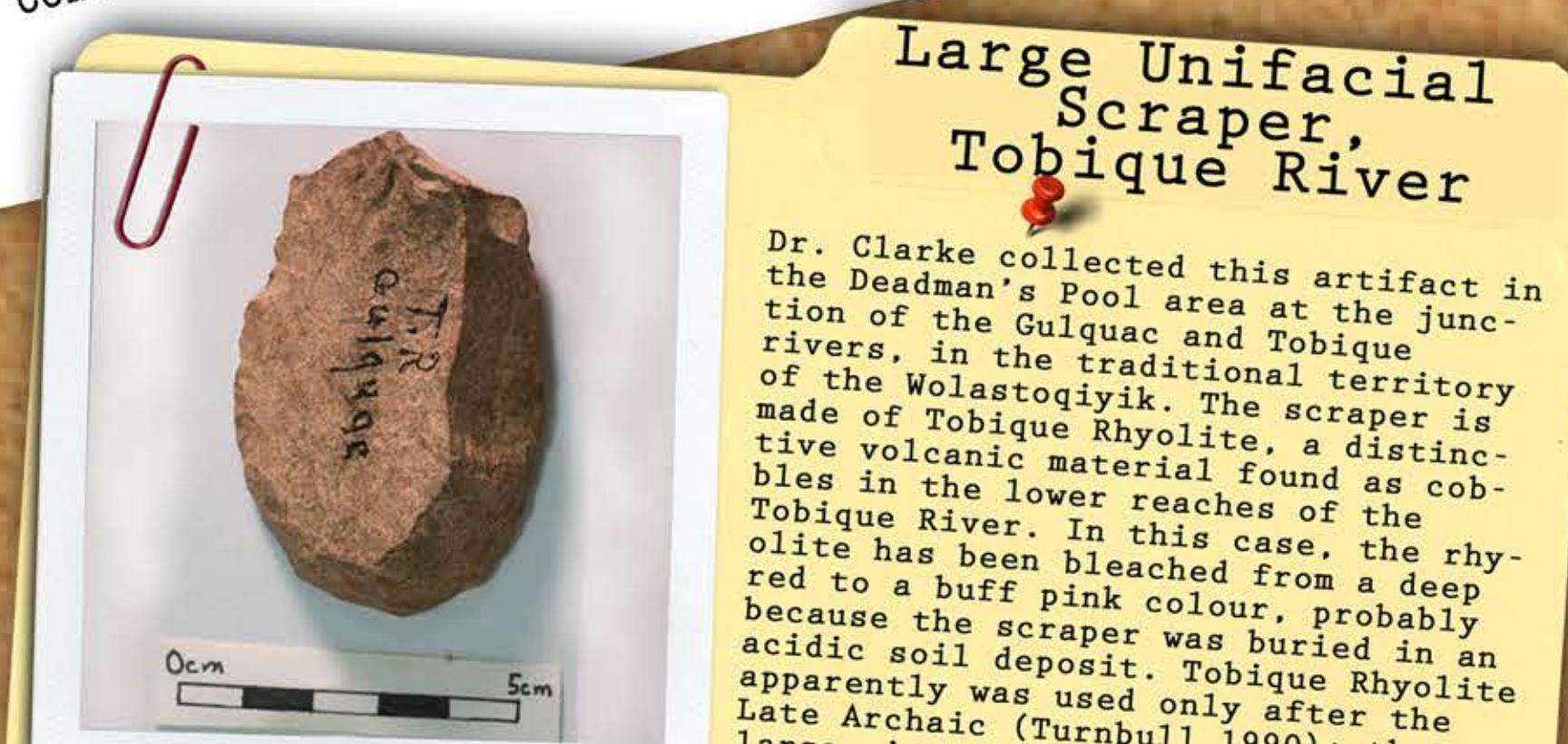
Meductic Flat Tobacco Pipe

This early seventeenth-century tobacco pipe bowl was collected by Dr. Clarke on the St. John River, in the traditional territory of the Wolastogiyik. According to Walker (1977:1515), the tobacco pipes like this were made in Bristol, England between AD 1620 and 1650. Typical early seventeenth-century pipes are characterized, as this one is, by a small bulbous heel, flat incised banding below the heel, incised banding below the rim, and a configuration that angles the bowl away from the center. In this case, there are two incised grooves below the rim, neither of which extends completely around the bowl. The upper groove is visible to the eye; the lower one is much fainter and requires magnification to be detected. Usually, there are indications such as the symbol of the maker or a particular design which enable the pipe to be dated more precisely. There are no such marks on this pipe, so its age and affiliation remain somewhat obscure.

Detective Sarah E. Little

Dr. George Frederick Clarke (1883-1974), a Woodstock-area dentist, sport fisherman, conservationist, author, poet, and avocational archaeologist and historian, pioneered archaeological research in the central St. John River valley. Over the course of half a century (from the 1920s to the 1960s), Dr. Clarke amassed, through surface finds and excavation, a collection of artifacts spanning approximately 8000 years of New Brunswick archaeological history. The 2700 artifacts in his collection were recently donated to the University of New Brunswick by the Clarke family.

In keeping with Dr. Clarke's wishes, the University of New Brunswick intends to use the Clarke Collection in teaching, research and public outreach activities. Undergraduate Honours students in archaeology are conducting preliminary research into a selection of the artifacts. Each student has chosen an artifact to study, placing it in geographical and chronological context, and considering material, manufacture, and function. We are learning that these artifacts provide many clues about life in the past, and that they pose puzzles and mysteries that will continue to challenge archaeologists for years to come.



Large Unifacial Scraper,  
Tobique River

Dr. Clarke collected this artifact in the Deadman's Pool area at the junction of the Gulguc and Tobique rivers, in the traditional territory of the Wolastogiyik. The scraper is made of Tobique Rhyolite, a distinctive volcanic material found as cobblestones in the lower reaches of the Tobique River. In this case, the rhyolite has been bleached from deep red to a buff pink colour. Probably because the scraper was buried in an acidic soil deposit, Tobique Rhyolite apparently was used soon after the Late Archaic (Turnbull 1976). The large size of the scraper, 6.8 cm long, 1.8 cm wide and 1.73 cm thick, and the apparent absence of ceramics in the area where it was found, suggest that it dates to the Terminal Archaic (4000-3000 BP) or Early Woodland (3000-2200 BP) period. The scraper was made by unifacially retouching the distal end of a large end-scraper, suggesting that it was used hand-held rather than hafted. End-scrapers are common artifacts in the archaeological record of the far Northeast; however, the ways that they were used, and the relationships among scraper size, shape and function, remain largely unexplored.

Detective Christian C. Thériault

Tobique-Gulquac  
Unifacial Scraper

This scraper was made by unifacially retouching the distal end of a large end-scraper, suggesting that it was used hand-held rather than hafted. End-scrapers are common artifacts in the archaeological record of the far Northeast; however, the ways that they were used, and the relationships among scraper size, shape and function, remain largely unexplored.

Detective Christian C. Thériault

Cora A. Woolsey, Anne E. Thornton, Christian C. Thériault, Kristine A. Roesler, Ramona A. Nicholas, Angus Morrison, Sarah E. Little, Kenneth R. Holyoke and Sarah C. Durham

Department of Anthropology, University of New Brunswick, Fredericton

## Collection

**Gulquac**

**Tobique**

**Big Clearwater**

**Miramichi Forks**

**Bristol**

**Meductic**

**Grand Lake**

**St. John River**

**Grand Lake Gorget (York County)**

**Flaked-Stone Drill Bit, St. John River**

**Flaked Stone Drill**

**Semi-Faceted Plummet, Miramichi Forks**

**Historic Ceramic Tobacco Pipe, Meductic Flat**

**Bi-Pointed Biface, Bristol, St. John River**

**Tobique Bifacial Scraper**

**Large Unifacial Scraper, Tobique River**

**Ceramic Sherd, Big Clearwater, Miramichi River**

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