

Curatorial Report Number 15

Nova Scotia Museum
1747 Summer Street
Halifax Nova Scotia Canada

Bats in the Nova Scotia Museum Collection

By Robert Barnes
June 1973



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NOVA SCOTIA MUSEUM

Curatorial Reports

The *Curatorial Reports* of the Nova Scotia Museum contain information on the collections and the preliminary results of research projects carried out under the program of the museum. The reports may be cited in publications but their manuscript status should be clearly indicated.

INTRODUCTION

The Nova Scotia Museum collection of bats contains 83 study skins and 42 skulls, which represent the six species recorded from Nova Scotia.

The oldest specimens in the bat collection are the skins of three *Myotis lucifugus* and the skull of a fourth. The bats were collected in Lakeview, Halifax County, by Miss Helen King in 1904. During the next 13 years several more specimens were added, the most interesting being an albino *Myotis keenii* from Canard, Kings County, collected by G. A. Patriquin in July 1916. In 1950 Lloyd Duncanson, while at Kejimkujik Lake, collected the only *Lasionycteris noctivagans* ever taken in Nova Scotia.

The largest contribution to the collection was that made by Sherman Bleakney of Acadia University, who collected bats in Queens, Kings, Lunenburg, Halifax and Hants Counties from 1959 to 1964. Bleakney collected specimens of three species, and these form the bulk of the museum collection. Pierre Taschereau also added specimens to the collection during cave surveys between 1961 and 1964.

Many bats in the museum collection were unidentified and these specimens were determined. Other bats were misidentified and the determinations were corrected. Often skins were not accompanied by skulls and some skulls were so badly damaged they were of limited value in identification.

This catalog lists the specimens in the museum collection as of June 30, 1973. The arrangement and nomenclature used follows that of Peterson (1966).

ABBREVIATIONS USED:

- (s) = study skin
- (sk) = skull

- (AB) = Acadia Biology 10 class
- (AE) = Alan Eaves
- (AL) = Arthur Lauf
- (CU) = Collector unknown
- (DF) = Davis Finch
- (GP) = G. A. Patriquin
- (GH) = Gary Hardy
- (HK) = Helen King
- (JS) = John Silver
- (LD) = Lloyd Duncanson
- (PM) = Paul McClung
- (PT) = Pierre Taschereau
- (RB) = Robert Barnes
- (SB) = Sherman Bleakney

REFERENCES

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FAMILY VESPERTILIONIDAE

Myotis lucifugus lucifugus (LeConte) Little Brown Bat

Kejimikujik National Park: 1 specimen (s), VII 1950 (LD)

QUEENS COUNTY

Port Joli: 1♂ (s,sk), 7♀ (s,sk), 28 VII 1960 (SB,AE)

KINGS COUNTY

Porters Point: 2♂ (s), 8 VIII 1959 (SB,AE)

Wolfville Ridge: 1 specimen (s), 30 VII 1959 (SB,AE)

Wolfville: 1 specimen (s,sk), 27 IX 1961 (SB)

1♀ (s,sk), 12 V 1964 (SB)

LUNENBURG COUNTY

The Ovens: 1 specimen (s,sk), 23 IX 1961 (SB)

HALIFAX COUNTY

Lakeview: 3 specimens (s), 1 specimen (sk), 19 VII - 3 VIII 1904 (HK)

Elmvale: 2♂ (s), 4♀ (s), 6 VIII 1959 (SB,AE)

Halifax: 2♀ (s), 4 VII 1964 (PT)

HANTS COUNTY

Hayes Cave, South Maitland: 1 specimen (s) 29 VII 1961 (PT)

1♂ (s), 17 III 1963 (PT)

1♂ (s,sk), 25 VI 1971 (GH)

6♂ (s,sk), 4 VI 1973 (RB,PM)

Maple Grove Cave: 9♂ (s,sk), 2♀ (s,sk), 1 specimen (s,sk), 3 VIII 1959 (SB,AE)

Uniacke House, Mount Uniacke: 1♂ (s,sk), 1♀ (s,sk), 1♀ (s), 26 VI 1962 (SB)

CUMBERLAND COUNTY

Nappan: 1 specimen (s), VII 1917 (AL)

ANTIGONISH COUNTY

Copper Lake: 1♂ (s), 2♀ (s), VII 1950 (LD)

Myotis keenii septentrionalis (Trouessart) Keen's Bat

LUNENBURG COUNTY

The Ovens: 1♂ (s), 18 V 1963 (SB)

KINGS COUNTY

Canard: 1 specimen (albino, s,sk), VIII 1916 (GAP)

HANTS COUNTY

Maple Grove Cave: 1♀ (s), 13 II 1960

Hayes Cave, South Maitland: 1♀ (s,sk), 17 III 1963 (PT)

Frenchmans Cave, St. Croix: 1♀ (s), 19 II 1963 (PT)

COLCHESTER COUNTY

Gay River Gold Mines, Coldstream: 3♂ (s,sk), 3♀ (s,sk), 16 II 1962 (SB)

GUYSBOROUGH COUNTY

Sonora Road, Sherbrooke: 2♂ (sk), 4 V 1972 (JS)

Lasionycteris noctivagans (LeConte) Silver-haired Bat

Kejimikujik National Park: 1♀ (s), 10 VII 1950 (LD)

Pipistrellus subflavus obscurus (Miller) Eastern Pipistrelle

QUEENS COUNTY

Grafton Lake: 1♀ (s), 1 VII 1959 (SB)

KINGS COUNTY

Gaspereau Lake: 4♂ (s,sk), 1♀ (s,sk), 26 VII 1961 (SB)

HANTS COUNTY

Frenchmans Cave, St. Croix: 2♂ (s), 29 VII 1959 (SB)

Hayes Cave, South Maitland: 1♂ (s), 17 III 1963 (PT)

Maple Grove Cave: 2♂ (s), 1♀ (s), 24 I - 13 II 1960 (SB,ABC)

COLCHESTER COUNTY

Gay River Gold Mines, Coldstream: 2♂ (s,sk), 16 II 1962 (SB)

Lasiurus borealis borealis (Müller) Red Bat

NOVA SCOTIA (?): 1 specimen (in alcohol), date and collector unknown

HALIFAX COUNTY (?): 1 specimen (s), date unknown (CU)

Lasiurus cinereus cinereus (Beauvois) Hoary Bat

YARMOUTH COUNTY

Seal Island: 1♂ (s,sk), 2 IX 1971 (DF)

HALIFAX COUNTY

Spring Garden Road, Halifax: 1 specimen (s), 17 XI 1909 (CU)

Dartmouth: 1 specimen (s), 22 X 1917 (CU)