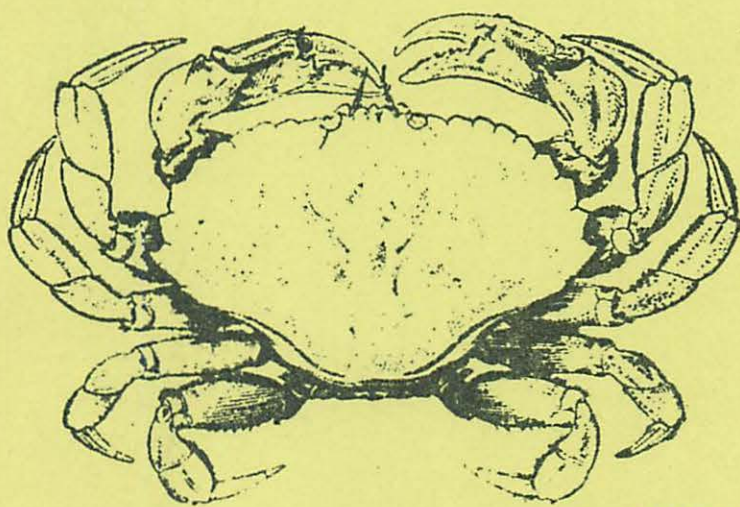




NOVA SCOTIA MUSEUM
Curatorial Report No. 2

CATALOGUE OF MARINE CRUSTACEA IN
THE NOVA SCOTIA MUSEUM

By John Gilhen



ARTHUR R. RAYBURN

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CATALOGUE OF MARINE CRUSTACEA IN THE NOVA SCOTIA MUSEUM

By John Gilhen, Museum Assistant

The collection of marine crustacea in the Nova Scotia Museum, developed over the past eighty-eight years, consists primarily of more than 1,100 specimens taken in the coastal and off shore waters of Nova Scotia. Only a few foreign crab species are represented in the collection.

The first accession was received in 1878. The United States Fish Commission and the Cable Ship, S.S. Minia donated collections made from 1887 to 1903. From 1903 to 1917 Harry Piers and E. S. Piers preserved specimens from the Halifax area. J. L. Martin set up the first catalogue of the marine crustacea in 1950. Between 1954 and 1957, Marilyn Jenkins collected specimens in the Halifax, Cheverie, Parrsboro and Digby areas. When Mrs. Jenkins left the staff in 1957, Jane McNeill took over the task of establishing a representative collection. During the summers of 1957 and 1958 Jane McNeill and Rosemary Lane collected in the Halifax, Cheverie, Parrsboro and Digby areas. These collections filled many gaps in species representation. During the summers of 1959 and 1960 Sherman Bleakney and Eaves collected along the Bay of Fundy shore. The bulk of their entries consisted of crabs,

sand fleas and shrimps, some of which were new to the collection.

Throughout the years, fishermen along the coast have made valuable contributions. During the 1966-1967 lobster season, fishermen cooperated with the museum in gathering samples of various crab species in their traps. Nine fishermen from various points were selected. They included Gerald Smith, Cape Sable, Shelburne Co.; Freeman Corkum, Lunenburg, Lunenburg Co.; Victor Kiley, Prospect, Halifax Co.; Stan. Purdy, Eastern Passage, Halifax Co.; Earl Power, East Jeddore, Halifax Co.; Ervin Scott, Sand Point, Guysborough Co.; George Cadden, New Waterford, Cape Breton Island; Joe Boudreau, Cheticamp, Cape Breton Island and Clarence Pipes, North Port, Cumberland Co. This project was designed as a preliminary survey to determine the number of species and their abundance in various localities in the province.

Over the years specimens were preserved in various percentages of formalin or alcohol and placed in a variety of glass containers, many of which were unsuitable. The collection was stored on open shelves in a room with other invertebrate wet collections. In February, 1967, J. L. Martin, Director of the Museum, authorized the construction of a cabinet to house the wet collection of marine crustacea. Specimens were placed in uniform jars, the preservative was chang-

ed to 50% isopropyl alcohol and specimens were arranged in the cabinet in taxonomic order. The catalogue file was brought up to date.

This paper presents a list of the named specimens in our collection at the present time. A small amount of material remains to be identified, and certain parts of the collection need to be checked by specialists. This report is intended for internal use only to enable us to evaluate the present status of our collections and to plan future development.

Class: Crustacea
Subclass: Copepoda
Order: Caligoida
Family: Caligidae

Caligus curtus Muller

Off Sambro Island, Halifax Co., July 23, 1958, 9 specimens Wet.

Subclass: Cirripedia
Order: Thoracica
Suborder: Lepadomorpha
Family: Lepadidae (Gooseneck Barnacles)

Lepas anatifera Linnaeus

No data, 1 specimen Dry.

Nova Scotia, 10+ specimens Wet.

Ships bottom, Halifax, June 5, 1901, 5 specimens Wet.

Glen Margaret, Halifax Co., August 15, 1958, 12 specimens Wet.

Glen Margaret, Halifax Co., August 22, 1958, 9 specimens Wet.

Lepas fascicularis Ellis & Solander

Nova Scotia, 6 specimens Dry

Nova Scotia, 10+ specimens Wet.

Lepas pectinata Spengler

Sable Island, 1887, 10+ specimens Dry.

Suborder: Balanomorpha
Family: Balanidae

Balanus balanoides (Linnaeus) Common Rock Barnacle

Little Harbour, Cherry Hill, Lunenburg Co., July 1946,
1 specimen Wet.
Chester, Lunenburg Co., 1 specimen Dry.
Tribune Head, Halifax Co., August 18, 1910, 6 specimens
Dry
Dartmouth, Halifax Co., October 30, 1914, 5 specimens
Dry
Cheverie, Hants Co., September 23, 1957, 8 specimens Wet
Economy, Colchester Co., September 28, 1957, 10+ specimens
Wet
Parrsboro, Cumberland Co., August 19, 1958, 7 specimens Wet
Caribou Island, Pictou Co., September 20, 1957, 11 specimens
Wet
Kingsport, Kings Co., July 27, 1959, 10+ specimens Wet
Avonport Beach, Kings Co., June 3, 1959, 10+ specimens Wet
Parrsboro, Cumberland Co., August 18, 1958, 1 specimen Wet
Parrsboro, Cumberland Co., August 18, 1958, 5 specimens Wet
New Waterford, C.B.I., Spring 1967, 10+ specimens Wet

Balanus improvisus Darwin

Caribou River, Pictou Co., September 26, 1957, 10+ specimens
Wet
Brule, Colchester Co., August 3, 1960, 3 specimens Wet.

Balanus hameri Ascanius

Cable II, Bay of Fundy, October 26, 1888, 10+ specimens Wet
Submarine cable, 2 specimens Wet
Nova Scotia, 10+ specimens Wet.

Subclass: Malacostraca
Order: Isopoda
Suborder: Cymothoidea
Family: Aegidae

Aega psora (Linnaeus)

Grand Banks, Newfoundland, summer 1947, 2 specimens Wet.
Nova Scotia, approximately 1878, 1 specimen Wet.

Family: Limnoriidae

Limnoria lignorum (Rathke)

North West Arm, Halifax Co., October 1957, 10+ specimens Wet.

Suborder: Idoteoidea
Family: Idoteidae

Idotea baltica (Pallas)

Chance Harbour, Pictou Co., May 22, 1954, 1 specimen Wet.
Cape Sharp, Cumberland Co., September 24, 1957, 1 specimen
Wet

Two Islands, Cumberland Co., September 24, 1957, 10+ specimens Wet.
North West Arm, Halifax Co., October 1957, 4 specimens Wet
Cheverie, Hants Co., 5 specimens Wet
Two Islands, Cumberland Co., August 19, 1958, 2 specimens Wet
Peggy's Cove, Halifax Co., April 21, 1958, 2 specimens Wet
Avonport Beach, Kings Co., June 3, 1959, 10 specimens Wet
Kingsport Beach, Kings Co., July 27, 1959, 2 specimens Wet
Two Islands, Cumberland Co., August 19, 1958, 2 specimens Wet

Idotea phosphorea Harger

Chance Harbour, Pictou Co., May 22, 1954, 8 specimens Wet
Two Islands, Colchester Co., September 24, 1957, 3 specimens Wet
Lawrencetown, Halifax Co., September 20, 1957, 1 specimen Wet
Pugwash, Cumberland Co., September 25, 1957, 1 specimen Wet
Avonport, Beach, Kings, Co., June 9, 1957, 1 specimen Wet

Chiridotea caeca (Say)

Prospect, Halifax Co., September 13, 1957, 1 specimen Wet
Economy, Colchester Co., September 23, 1957, 1 specimen Wet
Lawrencetown, Halifax Co., September 20, 1957, 7 specimens Wet
Cambridge, Hants Co., November 27, 1957, 1 specimen Wet
Scots Bay, Kings Co., July 22, 1959, 11 specimens Wet
Port Joli, Queens Co., July 19, 1960, 1 specimen Wet

Suborder: Aselloidea
Family: Janiridae

Jaera marina (Fabricius).

Chance Harbour, Pictou Co., May 22, 1954, 10+ specimens Wet
Pugwash, Cumberland Co., September 25, 1957, 1 specimen Wet

Order: Amphipoda
Suborder: Gammaridae
Family: Orchestiidae

Orchestia agilis Smith

McNab's Island, Halifax Co., September 15, 1910, 2 specimens Wet

Talorchestia megalopthalma (Bate)

Caribou Island, Pictou Co., September 26, 1957, 7 specimens Wet

Family: Ampeliscidae

Calliopius laeviusculus (Kroyer)

Chance Harbour, Pictou Co., May 22, 1954, 5 specimens Wet
Herring Cove, Halifax Co., September 24, 1957, 6 specimens
Wet
Chebucto Head, Halifax Co., October 13, 1957, 1 specimen
Wet

Family: Calliopiidae

Ampelisca spinipes Boeck

Cambridge, Hants Co., November 27, 1957, 1 specimen Wet

Family: Gammaridae

Gammarus locusta (Linnaeus)

Halifax, Halifax Co., 5 specimens Wet.
Hubbards Cove, Halifax Co., July 27, 1917, 10 specimens
Wet
Chance Harbour, Pictou Co., May 22, 1954, 2 specimens Wet
Caribou River, Pictou Co., September 26, 1957, 10+ speci-
mens Wet
Prospect, Halifax Co., September 13, 1957, 4 specimens Wet
Herring Cove, Halifax Co., September 19, 1959, 1 specimen
Wet
Cheverie, Hants Co., September 23, 1957, 10+ specimens Wet
Caribou Island, Pictou Co., September 18, 1957, 10+ speci-
mens Wet
Peggy's Cove, Halifax Co., April 21, 1957, 2 specimens Wet

Gammarus annulatus Smith

Black Point, Pictou Co., May 22, 1954, 10+ specimens Wet

Melita nitida Smith

Caribou River, Pictou Co., September 26, 1957, 1 specimen
Wet

Family: Amphithoidae

Amphithoe rubricata (Montagu)

Herring Cove, Halifax Co., September 17, 1957, 1 specimen
Wet
Herring Cove, Halifax Co., September 24, 1957, 6 specimens
Wet
Chebucto Head, Halifax Co., October 13, 1957, 6 specimens
Wet
Avonport Beach, Kings Co., June 3, 1959, 31 specimens Wet

Family: Jassidae

Jassa marmorata Holmes

North West Arm, Halifax Co., October 1957, 10+ specimens
Wet

Family: Corophiidae

Corophium volutator (Pallas)

Cheverie, Hants Co., September 23, 1957, 7 specimens Wet
Cambridge, Hants Co., November 27, 1957, 2 specimens Wet
Avonport, Beach, Kings Co., June 9, 1959, 10+ specimens Wet

Order: Euphausiacea

Family: Euphausiidae

Nyctiphanes (Meganyctiphanes) norvegica (M. Sars)

Hubbards, Halifax Co., July 28, 29, 1914, 4 specimens Wet
Hubbards, Halifax Co., July 28, 29, 1914, 10+ specimens
Wet

Order: Decapoda

Suborder: Macrura

Family: Pandalidae

Pandalus borealis Kroyer

Off Chebucto, Halifax Co., 1887, 3 specimens Wet

Pandalus montagui Leach

Black Rock, Kings Co., July 10, 1959, 1 specimen Wet
Prospect Bay, Halifax Co., September 27, 1966, 24 speci-
mens Wet

Family: Hippolytidae

Spirontocaris fabricii (Kroyer)

Halifax Harbour, Halifax Co., 1 specimen Wet

Family: Cragonidae

Crago septemspinosus (Say) Sand Shrimps

Tuft's Cove, Halifax Co., May 16, 1911, 1 specimen Wet
North West Arm, Halifax Co., April 6, 1954, 1 specimen Wet
Halifax Harbour, Halifax Co., 4 specimens Wet
Nova Scotia, 5 specimens Wet

Caribou Island, Pictou Co., September 26, 1957, 3 specimens Wet
Cherry Hill, Lunenburg Co., May 14, 1954, 5 specimens
Wet
Cape Sharp, Cumberland Co., September 24, 1957, 3 speci-
mens Wet
Prospect, Halifax Co., September 13, 1957, 1 specimen Wet
Cheverie, Hants Co., September 23, 1957, 4 specimens Wet
Lawrencetown, Halifax Co., September 20, 1957, 1 specimen
Wet
Avonport Beach, Kings Co., June 3, 1959, 1 specimen Wet
Avonport Beach, Kings Co., June 9, 1959, 7 specimens Wet
Kingsport, Kings Co., July 27, 1959, 10+ specimens Wet

Family: Homaridae

Homarus americanus Milne-Edwards

Cross Island, Chester, Lunenburg Co., about 1898, 1 spec-
imen Dry
Rose Bay Head, Lunenburg Co., 1900, 1 specimen Dry
Martiniq.ue Channel, Halifax Co., 1923, 1 specimen Dry
Nova Scotia, 8 specimens Wet
Nova Scotia, 2 specimens Wet
Nova Scotia, 1 specimen Wet
Dartmouth, Halifax Co., 1965, 1 specimen Wet
Eastern Passage, Halifax Co., Spring 1967, 1 specimen Wet

Family: Paguridae

Pagurus longicarpus Say

Parrsboro, Cumberland Co., September 24, 1957, 8 specimens
Wet
Cape Sharp, Cumberland Co., September 24, 1957, 2 specimens
Wet
Partridge Island, Cumberland Co., September 24, 1957, 1
specimen Wet
Crystal Cliff's, Antigonish Co., September 27, 1957, 1 spec-
men Wet
Two Islands, Cumberland Co., August 19, 1958, 2 specimens
Wet
Cheverie, Hants Co., September 23, 1957, 1 specimen Wet
Avonport Beach, Kings Co., June 9, 1959, 8 specimens Wet
Hume Island, Lunenburg Co., August 18, 1960, 1 specimen Wet
Avonport Beach, Kings Co., June 3, 1960, 1 specimen Wet

Pagurus acadianus Benedict (P. bernhardus (Linnaeus))

Avonport Beach, Kings Co., June 9, 1959, 6 specimens Wet
Cherry Hill, Lunenburg Co., Summer 1946, 2 specimens Wet

Hubbards, July 23, 1920, 1 specimen Wet
Tuft's Cove, Halifax Co., May 7, 1920, 1 specimen Dry
2 specimens Dry
North of Digby, Digby Co., August 6, 1958, 3 specimens
Wet
Parrsboro, Cumberland Co., September 24, 1957, 4 speci-
mens Wet
Two Islands, Cumberland Co., August 19, 1958, 4 speci-
mens Wet
Cherry Hill, Lunenburg Co., June 14, 1954, 10+ specimens
Wet
Nova Scotia, 4 specimens Wet

Pagurus pollicaris (Say)

Delap Cove, Annapolis Co., August 20, 1959, 1 specimen
Dry

Family: Lithodidae

Lithodes maia (Linnaeus)

$\frac{1}{2}$ mile off Sambro, Halifax Co., March 28, 1913, 1 speci-
men Dry
20 miles off Halifax, Nova Scotia, December 2, 1902, 1
specimen Dry
Nova Scotia, 1 specimen Dry
Off St. Pierre Banks, April 15, 1957, 1 specimen Dry
Off Betty Island, Halifax Co., October 3, 1966, 3 speci-
mens Wet and 1 specimen Dry

Family: Cancridae

Cancer irroratus Say

Nova Scotia, 1902-1903, 5 specimens Wet
Cape Sharp, Cumberland Co., September 24, 1957, 2 speci-
mens Wet
Caribou River, Pictou Co., September 26, 1957, 1 speci-
men Wet
Herring Cove, Halifax Co., September 18, 1957, 1 speci-
men Wet
Crystal Cliffs, Antigonish Co., September 27, 1957, 1
specimen Wet
Kingsport, Kings Co., July 27, 1959, 2 specimens Dry
Avonport Beach, Kings Co., June 3, 1959, parts only Dry
Port Mouton, Queens Co., August 27, 1959, 2 specimens Dry
Margaretville, Annapolis Co., August 20, 1959, 4 claws
Dry
Black Rock, Kings Co., July 10, 1959, 1 specimen Wet
Kingsport, Kings Co., July 27, 1959, 3 specimens Wet
Kingsport, Kings Co., July 20, 1959, 1 specimen Wet
Avonport Beach, Kings Co., June 9, 1959, 1 specimen Wet

Port Herbert, July 29, 1960, 1 carapace Dry
Brule Wharf, Colchester Co., August 3, 1960, 2 specimens
Wet
Hall's Wharf, Kings Co., April 23, 1960, 1 specimen Wet
Eastern Passage, Halifax Co., Spring 1967, 36 specimens
Wet
East Jeddore, Halifax Co., Spring 1967, 28 specimens Wet
Sand Point, Guysborough Co., Spring 1967, 28 specimens Wet
New Waterford, Boularderie, Spring 1967, 30 specimens Wet
Cheticamp, Inverness Co., Spring 1967, 28 specimens Wet
Prospect, Halifax Co., September 4, 1966, 2 specimens Wet
Prospect, Halifax Co., September 11, 1966, 3 specimens Wet
Brule Wharf, Colchester Co., August 3, 1960, 2 specimens
Wet
Front Harbour, Lunenburg, Lunenburg Co., November and Dec-
ember 1966, 26 specimens Wet and 4 specimens Dry
Prospect, Halifax Co., November and December 1966, 42 spec-
imens Wet and 4 specimens Dry
Lunenburg, Lunenburg Co., January 4, 1967, 25 specimens
Wet and 4 specimens Dry
Cape Sable, Shelburne Co., November and December 1966, 13
specimens Wet and 1 specimen Dry

Cancer borealis Stimpson

Hubbards, Halifax Co., July 26, 1920, 1 chele Dry
Port Hebert, Nova Scotia, July 29, 1960, 1 carapace Dry
Prospect, Halifax Co., November and December 1966, 5 speci-
mens and 2 specimens Dry
Cape Sable, Shelburne Co., November and December 1966, 4
specimens Wet and 1 specimen Dry
Front Harbour, Lunenburg, Lunenburg Co., November and Dec-
ember 1966, 17 specimens Wet and 3 specimens Dry
Lunenburg, Lunenburg Co., January 4, 1967, 7 specimens Wet
and 1 specimen Dry

Family: Portunidae

Callinectes sapidus Rathbun

Cow Bay, Halifax Co., May 1, 8, 1903, 1 specimen Dry
Cow Bay, Halifax Co., April 24, 1903, 3 specimens Dry
Cow Bay, Halifax Co., December 11, 1902, 1 specimen Dry
Cow Bay, Halifax Co., November 7, 1902, 1 specimen Dry
Cow Bay, Halifax Co., November 27, 1902, 1 specimen Dry
Cow Bay, Halifax Co., November 7, 1902, 2 specimens Dry
Cow Bay, Halifax Co., November 25, 1902, 1 specimen Dry
Cow Bay, Halifax Co., December 11, 1902, 1 specimen Dry
Cow Bay, Halifax Co., April 24, 1903, 1 specimen Dry
Cole Harbour, Halifax Co., November 25, 1902, 1 specimen Dry
Lawrencetown, Halifax Co., August 26, 1954, 1 specimen Dry

Ovalipes ocellatus (Herbst)

Avonport Beach, Kings Co., July 14, 1960, 1 carapace Dry
Avonport Beach, Kings Co., July 14, 1960, 1 chela Dry
Blomidon, Kings Co., October 9, 1960, 2 chela Dry.

Carcinides maenas (Linnaeus)

Avonport Beach, Kings Co., August 31, 1959, 4 specimens
Wet
Blomidon, Kings Co., October 9, 1960, 1 chela Dry
Black Rock, Kings Co., July 10, 1959, 3 specimens Wet
Prospect, Halifax Co., September 11, 1966, 4 specimens
Wet
Prospect, Halifax Co., September 4, 1966, 1 specimen Wet
Prospect, Halifax Co., November and December 1966, 9 speci-
mens Wet and 1 specimen Dry
Westport, Digby Co., August 9, 1960, 1 specimen Wet
Parrsboro, Cumberland Co., August 18, 1958, 3 specimens
Wet
Prospect, Halifax Co., November and December 1966, 9 speci-
mens Wet and 1 specimen Dry

Family: Pilumnidae (Xanthidae)

Panopeus (Eupanopeus) herbstii Milne-Edwards

Brule Wharf, Colchester Co., August 3, 1960, parts Wet

Neopanopeus texana sayi (Smith)

Parrsboro, Cumberland Co., September 24, 1957, 1 speci-
men Wet
Cheverie, Hants Co., September 23, 1957, 7 specimens Wet
Shore opposite Five Islands, Colchester Co., September 24,
1957, 4 specimens Wet

Family: Majidae (Inachidae)

Chionoecetes opilio (O.Fabricius)

No data, 2 specimens, Dry

Libinia emarginata Leach

Kingsport, Kings Co., July 27, 1959, parts Dry

Hyas coarctatus Leach

Nova Scotia, 1 specimen Dry
Nova Scotia, 1 specimen Dry

North of Digby, Nova Scotia, August 6, 1958, 1 specimen Wet

Hall's Harbour, Kings Co., April 23, 1960, 1 specimen Wet

Black Rock, Kings Co., July 10, 1959, 1 specimen Wet
Prospect, Halifax Co., November and December 1966,
2 specimens Wet

Class: Arachnoidea
Subclass: Xiphosura

Limulus polyphemus Linnaeus

Mass., U.S.A., 1857

FOREIGN CRABS

Plagusia dentipes de Haan

Range: Japan and outer Pacific Islands, 1 specimen Dry

Macrocoeloma trispinosum (Latreille)

Range: North Carolina to Bahje, Brazil; Bermudas, 1 specimen Dry

Liagore rubromaculata de Haan

Range: Indo-Pacific to Japan, 2 specimens Dry

Dorippe dorsipes (Linnaeus)

Range: Indo-Pacific to Japan, 2 specimens Dry

Dorippe facchino (Herbst)

Range: Indo-Pacific to Japan, 2 specimens Dry

Platychirograpus typicus Rathbun

Claw only, Dry

Range: Type locality Mexico

Class: Pycnogonida
Family: Pycnogonidae

Pycnogonum littorale (Grom)

Cable haul, 1903, 9 specimens Wet

Prospect, Halifax Co., September 7, 1964, 1 specimen Dry