

I have so often referred, contains many such species presented without explanation as to their origin. The list which formed the basis of this catalogue was prepared by myself, and contained very few species, not indigenous, but in its subsequent compilation the numerous additions from other sources caused the introduction of many species not of native origin, many of which are presented without comment, a circumstance, which was owing to the short time afforded for preparation for the press, along with other exigencies which prevented me from giving it that amount of attention and care which it deserved.

The foregoing explanation is deemed to be requisite for those who cannot avoid observing the errors referred to.

J. SOMMERS,
For Editing Com.

ART. IX.—MOLLUSCA OF NOVA SCOTIA, (CORRECTED TO DATE, 1877.)

BY J. MATTHEW JONES, F. L. S.

CLASS CONCHIFERA.

Fam. PHOLADIDÆ. Leach.

Teredo navalis, L. This species is inserted in Mr. Willis's privately printed list with a query. It was taken from a log in a spar-yard at Dartmouth. Marine Slip timbers at Pictou. (*Whiteaves*.)

T. dilatata, St. Very large specimens have been received from Sable Island, taken from wreck timber. (*Willis*.)

T. Norvegica, Speng. Marine Slip timbers at Pictou. (*Whiteaves*.)

Zirphœa crispata, Morch. Large specimens have been received from Sable Island. (*Willis*.)

Fam. SOLENIDÆ.

Ensatella Americana, Verrill. Sandy shores; whole coast.

Siliqua squama, St. Fishing banks; rare. (*Willis*.)

- S. costata*, Ad. Fishing banks. (*Willis*.)
Solenomya velum, Say. Fishing banks; very rare. (*Willis*.)
S. borealis, Tott. Fishing banks; very rare. (*Willis*.) Halifax
 harbour; rare. (*Verrill*.)
Panopæa arctica, Gould. Halifax harbour.
Glycymeris siliqua, Lam. Halifax harbour. Sable Island
 beach; dead specimens. (*Willis*.)

Fam. MYADÆ.

- Mya arenaria*, L. Halifax harbour, etc.; very common.
M. truncata, L. Halifax harbour; not uncommon.

Fam. CORBULIDÆ.

- Corbula contracta*, Say.
Nœera arctica. La Have banks.

Fam. PANDORIDÆ.

- Clidiophora trilineata*, Carp. Halifax harbour; rare. I have
 only dredged stray valves.
 Northumberland Strait, north of Pictou Island. (*Whiteaves*.)

Fam. ANATINIDÆ.

- Lyonsia arenosa*, Morch. Halifax harbour.
Periploma papyracea, Verrill. Sable Island. (*Willis*.)
Cochlodesma leanum, St. Fishing banks. (*Willis*.)
Thracia Conradi, Couth. Fishing banks. (*Willis*.)
T. myopsis, Beck. Halifax harbour. (*Smith and Harger*.)
 Fishing banks. (*Willis*.)
T. truncata, Migh and Ad. Fishing banks. (*Willis*.)

Fam. MACTRADÆ.

- Mactra solidissima*, Chemn. Sandy beaches; whole coast. I
 have a specimen in my collection, presented to me by the late Mr.
 Willis, measuring in length $7\frac{1}{4}$ inches, and $6\frac{1}{2}$ inches in extreme
 breadth. It came from Sable Island.

- M. ovalis*, Gould. Sable Island. (*Willis*.)
Mulinia lateralis, Gray.

Ceronia arctata, Ad. Sable Island. (*Willis*.)

C. deaurata, Gould. Sable Island. (*Willis*.)

Fam. KELLIADÆ.

Kellia planulata, St. Sable Island. (*Willis*.)

K. suborbicularis, Turt. Sable Island. (*Willis*.)

Turtonia minuta, Ald. Sable Island. (*Willis*.)

Fam. GASTROCHÆNIDÆ.

Saxicava arctica, Desh. Whole coast; common.

Petricola pholadiformis, Lam. Sable Island. (*Willis*.) North-
umberland Strait, off North Shore. (*Whiteaves*.)

Fam. TELLINIDÆ.

Macoma fusca, Gould. Halifax harbour. Fishing banks.
(*Willis*.)

M. sabulosa, Morch. Halifax harbour. (*Smith and Harger*.)
Fishing banks. (*Willis*.)

Tellina tenera, Say. Fishing banks. (*Willis*.)

Fam. LUCINIDÆ.

Cryptodon Gouldii, St.

Fam. CYCLADIDÆ.

Sphærium simile, Gould. Truro, N. S. (*McCulloch*.)

S. partumeium, Prime. Fresh-water lakes; common.

Pisidium dubium, Gould. Fresh-water lakes.

Fam. CYPRINIDÆ.

Astarte castanea, Say. Halifax harbour. Sable Island. (*Willis*.)
Off Cape Sable. (*Verrill*.)

A. crebricostata, Forbes and Hanley. Halifax harbour.

A. sulcata, Flem. Halifax harbour.

A. semisulcata, Gray.

A. elliptica, McGilliv. LaHave Bank. (*Smith and Harger*.)

A. Banksii, Leach. LaHave Bank. (*Smith and Harger*.)

A. undata, Gould. Northumberland Strait, off North Shore.
(*Whiteaves*.)

Cyprina Islandica, Lam. Halifax harbour; common. Northumberland Straits, off North Shore. (*Whiteaves*.)

Fam. VENERIDÆ.

Callista convexa, Ad. Halifax harbour. Sable Island. (*Willis*.)

Venus mercenaria, L. Whole coast; common.

Tapes fluctuosa, Desh. Fishing banks. (*Willis*.)

Tottenia gemma, Perkins.

Fam. CARDIADÆ.

Cardium Islandicum, L. Halifax harbour.

Cardium pinnulatum, Conr. Halifax harbour. Northumberland Strait, off North Shore. (*Whiteaves*.)

Lævicardium Mortoni, Verrill. Halifax harbour.

Serripes Grønlandicus, Beck. Halifax harbour. St. Margaret's Bay. (*Willis*.)

Cyclocardia borealis. Fishing banks. (*Willis*.)

Fam. ARCADÆ.

Arca pectunculoides. Off Halifax harbour.

Nucula tenuis, Turt. Sambro Banks. (*Willis*.)

N. proxima, Say. Fishing banks. (*Willis*.)

N. delphinodonta, Migh. Northumberland Strait, off North Shore. (*Whiteaves*.)

Yoldia limatula, St. Fishing banks. (*Willis*.) Northumberland Strait, off North Shore. (*Whiteaves*.)

Y. obesa, St. Halifax harbour.

Y. thraciæformis, St. Halifax harbour.

Y. sapotilla, St. Halifax harbour. Northumberland Strait, off North Shore. (*Whiteaves*.)

Y. myalis, Gould. St. Mary's Bay, Digby Co. (*Verkruzen*.)

Leda tenuisulcata, Couth. Halifax harbour.

L. minuta, Mol.

L. caudata, Loven.

Fam. UNIONIDÆ.

Unio complanatus, Lea. Fresh water lakes and streams.

U. radiatus, Barnes. Grand Lake. (*Willis*.)

Margaritana arcuata, St. Fresh water lakes and streams.
Anodon implicata, Gould. Inland lakes; rare. (*Willis*.)

Fam. MYTILIDÆ.

Mytilus, edulis, L.
 var, *pellucida*. All rocky shores.
Modiola modiolus, Turt. All rocky shores.
M. plicatula, Lam. Northern coast. (*Willis*).
Modiolaria nigra, Loven. Halifax harbour.
M. discors, Beck. Halifax harbour.
M. corrugata, Morch. Halifax harbour.
Crenella glandula, Ad. Halifax harbour. (*Willis*).
C. nigra. Northumberland Strait, off Pictou Island. (*White-aves*).

Fam.. PECTENIDÆ.

Pecten tenuicostatus, Migh and Ad. Whole coast. One in my collection, presented by the late Mr. Willis, measures over 6½ in.
P. islandicus, Chemn. Whole coast.
P. irradians, Lam. Sable Island. (*Willis*).
P. pustulatus. LaHave bank. (*Willis*).

Fam. OSTRÆIDÆ.

Ostrœa virginiana, List. Northern coast.
Anomia glabra, Verrill. Halifax harbour. Off Cape Sable, 8 fath. (*Verrill*).
A. aculeata, Gmel.
A. electrica, L.
A. squamula, L.

CLASS BRACHIOPODA.

Fam. TEREBRATULIDÆ.

Terebratulina septentrionalis, Couth. I have found this species very abundant in one particular part of the harbour; adult and young, in all stages of growth together, generally much covered by a sponge; 10 fath.

Fam. RHYNCONELLIDÆ.

Rhynconella pistacea, Owen. St. Margaret's Bay, LaHave Bank, (Smith and Harger), Halifax harbour, (Smith and Harger)

Waldheimia cranium, Gd. One single specimen only has yet been obtained on our coast, at St. Margaret's Bay.

CLASS GASTEROPODA.

Fam. BULLIDÆ.

Philine quadrata, Searles Wood. Fishing banks. (Willis).

P. lineolata, St. Fishing banks. (Willis).

Scaphander puncto-striatus, St. Fishing banks. (Willis)

Diaphana debilis, St. Fishing banks. (Willis).

Utriculus pertenuis, St. Fishing banks. (Willis).

Cylichna alba, St. Fishing banks. (Willis).

ORDER NUDIBRANCHIATA.

Fam. TRITONIDÆ.

Dendronotus arborescens, Ald. and Han. Halifax harbour.

D. robustus, Verrill. Thirty miles S. E. from Chebucto Head; 110 fathoms.

Eolis nana? Ald. and Han. Piles, Halifax harbour. Verrill.

Fam. CHITONIDÆ.

Trachydermon ruber, Carp. Halifax harbour.

T. marmoreus, Fabr. Halifax harbour.

T. albus, Lowe. Halifax harbour.

Amicula Emersonii, St. Halifax harbour.

Fam. DENTALIDÆ.

Siphonodentalium — ? La Have Bank.

Fam. PATELLIDÆ.

Acmea testudinalis, Forbes and Hanley. All rocky shores.

Lepeta cæca, Gd. Fishing banks; very rare. (Willis.)

Fam. CALYPTRÆIDÆ.

- Crepidula fornicata*, Lam. Whole coast.
C. plana, Say. Sable Island; Northern shores; Bay of Fundy.
 (Willis.) La Have Bank. (Smith and Harger.)
C. convexa, Say. Sable Island. (Willis.)

Fam. FISSURELLIDÆ.

- Cemoria Noachina*, Gd. Fishing banks. (Willis.)

Fam. JANTHINIDÆ.

- Janthina fragilis*, Desh. Sable Island; occasionally as a drift shell.

Fam. TROCHIDÆ.

- Margarita cinerea*, Gd. Fishing banks. (Willis.)
M. undulata, Sow. Fishing banks. (Willis.)
M. helicina, St. Halifax harbour.
M. argentata, Gd.
M. obscura, Gd.
M. varicosa, Migh. and Ad. Halifax harbour. (Smith and Harger.)

Fam. PALUDINIDÆ.

- Valvata tricarinata*, Say. Lakes in the interior.
Melantho decisa, W. G. Binney. Dartmouth lakes, &c.
Amnicola limosa, Hald. Ponds and stagnant waters.

Fam. LITTORINIDÆ.

- Skænea planorbis*, Forbes and Hanley.
Lacunã vincta. Gd. Whole coast.
Littorina rudis, Gd. All rocky shores.
L. tenebrosa, Gd. All rocky shores.
L. littorea, Johnston. All rocky shores.
L. palliata, Gd. All rocky shores.

Fam. SCALARIDÆ.

- Scalaria Graoelandica*, Sow. Halifax harbour, LaHave Bank, (Smith and Harger).

Fam. TURBITELLIDÆ.

Turritella erosa, Couth. Fishing banks. (*Willis*).

T. reticulata, Migh and Ad. Halifax harbour.

T. acicula, St. Halifax harbour.

Fam. CERITHIIDÆ.

Aporrhais occidentalis. Sow. Halifax harbour, LaHave Bank, (*Smith and Harger*), Annapolis Basin, (*Verkruzen*).

Bittium nigrum, St. Whole coast.

Fam. PYRAMIDELLIDÆ.

Turbonilla interrupta, Tott. Northumberland Strait; north shore, (*Whiteaves*).

Menestho albula, Möll. Fishing banks; rare. (*Willis*).

Fam. VELUTINIDÆ.

Velutina haliotoidea, Gd. Fishing banks. (*Willis*).

V. zonata, Gd. Halifax harbour.

Fam. NATICIDÆ.

Lunatia heros, St. All sand beaches.

L. Groenlandica, Gd.

Natica clausa, Brod. and Sow. Halifax harbour.

Lunatia immaculata, Ad. Fishing banks. (*Willis*). Northumberland Strait, off Pictou Island, (*Whiteaves*).

Bulbus flavus, St. Fishing banks. (*Willis*).

Amauropsis helicoides, St. Fishing banks. (*Willis*).

Fam. TURRITIDÆ.

Pleurotoma plicata, Ad. Fishing banks. (*Willis*).

Bela turricula, St. Fishing banks. (*Willis*),

B. harpularia, St. Halifax harbour.

Bela violacea, St. Fishing banks. (*Willis*.)

B. decussata, St. Fishing banks. (*Willis*.)

B. pleurotomaria, St. Halifax harbour.

B. cancellata, St. Northumberland Strait. (*Whiteaves*.)

Fam. COLUMBELLIDÆ.

Astyris rosacea, H. & A. Ad. Fishing banks. (*Willis.*)

Fam. PURPURIDÆ.

Purpura lapillus, Lam. All rocky shores.

Ilyanassa obsoleta, St. Halifax harbour; Pictou; Annapolis Basin.

Tritia trivittata, Ad. Halifax harbour; Northumberland Strait, off Pictou. (*Whiteaves.*)

Buccinum undatum, L. Whole coast.

B. ciliatum, Gd. Fishing banks. (*Willis.*)

Fam. MURICIDÆ.

Neptunea curta, Verrill. Halifax harbour.

Neptunella pygmaea, Verrill. Halifax harbour.

Neptunea ventricosus, Gray. Sable Island.

N. decemcostatus, Halifax harbour; LaHave bank. (*Verrill.*)

Trophon clathratus, St. Halifax harbour.

T. scalariformis, Gd. Halifax harbour.

T. Gunneri, LaHave bank. (*Smith and Harger.*)

Ptychatractus ligatus, St. Halifax. (*Willis.*)

Fam. CANCELLARIDÆ.

Trichotropis borealis, Sow. Halifax harbour.

Admete viridula, St. Fishing banks. (*Willis.*)

SUB-CLASS PULMONIFERA.

Fam. HELICIDÆ.

Hyalina cellaria, Morse. Halifax; scarce. (*Willis.*)

H. arborea, Morse. Neighbourhood of Halifax; scarce. (*Willis.*)

H. electrina, Morse, do. do.

H. chersina, Binney, do. do.

H. lineata, Binney, do. do.

Helix alternata, Say. Only found in the interior of the country and not on the Atlantic Coast.

- H. striatella*, Anth. Neighbourhood of Halifax; scarce. (*Willis*.)
H. hirsuta, Say. do. common.
H. pulchella, Müll. do. not uncommon.
H. hortensis, Müll. Whole country; common. The yellow variety is far more abundant than the striped.
Succinea obliqua, Say. Stagnant waters; Halifax, &c.
S. avara, Say. do. do.

Fam. AURICULIDÆ.

Alexia myosotis, Pf.

Fam. LIMNÆIDÆ.

- Limnæa columella*, Say. In most lakes and ponds; common.
L. elodes, Say. Truro marshes; common.
L. catascopium, Say. Dartmouth Lakes; rare. (*Willis*.)
L. humilis, Say. Pond at Fort Needham, Halifax.
Physa heterostropha, Say. Truro marshes; common.
P. ancillaria, Say. Dartmouth Lakes. (*Willis*.)
Bulinus elongatus, Binney. Truro marshes; not common.
Planorbis trivolvis, Say. Dartmouth Lakes; common.
P. bicarinatus, Say. do.
P. deflectus, Say. do.
P. dilatatus, Gould. do.
Ancylus parallelus, Hald. Fresh water lakes and streams; common.