

REPRINTS OF RARE ARTICLES ON MOLLUSCA. -- Robert Bell on Recent Land and Fresh-water Shells collected around Lakes Superior and Huron in 1859-60. --- Canadian Naturalist and Geologist, vol. 6, pp. 268-270, 1861.

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ARTICLE XVII. -- List of Recent Land and Fresh-water Shells collected around Lakes Superior and Huron in 1859-60. By Mr. Robert Bell, Assistant to Alexander Murray, Esq., Geological Survey of Canada.

(For the "Canadian Naturalist.")

#### TERRESTRIAL GASTEROPODA.

1. *Helix alternata*, Say. North shore of Lake Huron; Manitoulin Islands and the smaller islands between them and the main land; S. W. side of Georgian Bay. On a small island near Lacloche Island about a pint of these shells was collected in the space of two yards.

2. " *albolabris*, Say. Keweenaw Point; Grand Island; north shore of L. Huron; Manitoulin Islands; S. W. side of Georgian Bay.

3. " *monodon*, Raskett. Grand Island; E. shore of L. Superior; Grand Manitoulin Island; S. W. side of Georgian Bay; Sarnia.

4. " *tridentata*, Say. S. W. side of Georgian Bay.

5. " *concava*, Say. Rabbit Island; Sarnia.

6. " *multilineata*, Say. Abundant on swampy ground at Sarnia.

7. " *aborea*, Say. East side of L. Superior; Sault Ste. Marie; N. side of L. Huron; Ma-

nitoulin Islands; S. W. side of Georgian Bay.

8. " *striatella*, Anthony. East shore of L. Superior and north of L. Huron; Grand Manitoulin Island.

9. " *lineata*, Say. East shore of L. Superior; Sault Ste. Marie; Bruce Mines; Mississauga River; Grand Manitoulin Island.

10. " *labyrinthica*, Say. Batchawah-nah Bay; Sault Ste. Marie; Mississauga River; Grand Manitoulin Island.

11. " *chersina*, Say. Bruce Mines.

12. " *fuliginosa*, Griff. S. W. side of Georgian Bay; Sarnia.

13. *Succinea ovalis*, Gould. Tequamenen River (near Whitefish Point); Mississauga River; Grand Manitoulin Island; Sarnia.

14. " *avara*, Say. Manitouwaning Bay.

15. *Bulimus harpa*, Say. Bruce Mines.

16. *Vertigo* ----- Various localities on the East side of L. Superior.

#### FRESH-WATER GASTEROPODA.

1. *Physa heterostropha*, Say. Numerous localities on the south side of L. Superior; Goulais River; Sugar Island; Manitouwaning Bay; White Cloud Island; Owen Sound; Sarnia.

2. " *elongata*, Say. Township of Notawasaga.

3. *Limnaea stagnalis*, Lam. L'Anse; Grand Marais; Grand Island; Sarnia.

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4. *Limnaea umbrosa*, Say. Manitouwaning; Lacloche Island; Owen Sound; Sarnia.

5. " *umbilicata*, Say. Manitouwaning.

6. " *caperata*, Say. Tequamenen River; Batch-ah-wah-nah Bay.

7. " *modicella*, Say. Sarnia.

8. *Planorbis trivolvis*, Say. Sousonwagami Creek (S. side L. Superior); Sarnia.

9. " *campanulatus*, Say. Lacloche Island; Manitouwaning; Owen Sound; Small lake at Cape Rich; Sarnia.

10. " *bicarinatus*, Say. Tequamenen River; Batch-ah-wah-nah River; Lacloche Island; Manitouwaning; Sarnia.

11. " *armigerus*, Say. Bruce Mines; Manitouwaning.

12. " *parvus*, Say. Sousonwagami Creek.

13. *Amnicola porata*, Say. Sousonwagami Creek; Owen Sound.

14. *Valvata tricarinata*, Say. Sousonwagami Creek; Owen Sound.

15. " *humeralis*, Say. Owen Sound.

16. *Paludina decisa*, Say. Tequamenen River; Goulais River; Batch-ah-wah-nah River; Owen Sound; Sarnia.

17. *Melania Niagarensis*, Lea. Tequamenen River; Batch-ah-wah-nah Bay, a large coarse variety; common along the shore of Geor-

gian Bay from Cabot's Head to Collingwood.

18. " *acuta*, Lea. Abundant in St. Mary's River below the Sault.

#### FRESH-WATER LAMELLIBRANCHIATA.

1. *Unio complanatus*, Lea. Sousonwagami Creek; Tequamenen River; Batch-ah-wah-nah Bay; Goulais River; Mississauga River; Lacloche Island.

2. " *radiatus*, Lam. Sousonwagami Creek; Batch-ah-wah-nah Bay; Goulais River; Sugar Island; Mississauga River; Lacloche Island.

3. " *ventricosus*, Barnes. Mississauga River, very abundant.

4. " *rectus*, Lam. Mississauga River.

5. " *ellipsis*, Lea. Mississauga River.

6. *Margaritana rugosa*, Barnes. Mississauga River.

7. " *marginata*, Lea. Mississauga River.

8. *Anodonta cygnea*, Linn. Sousonwagami Creek; Lacloche Island.

9. " *subcylindracea*, Lea. Batch-ah-wah-nah Bay; Goulais River; Sousonwagami Creek.

10. " *Benedictiana*, Lea. Sousonwagami Creek; Grand Marais; Batch-ah-wah-nah Bay; Sugar Island; Lacloche Island.

11. " *fragilis*, Lam. Sousonwagami Creek.

12. " . A species like *A. implicata*, Say, Batch-ah-wah-nah Bay.

13. *Cyclas similis*, Say. Owen Sound.      nen River.

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14. *Cyclas partumeia*? Say. Amagoos Creek (Batch-ah-wah-nah Bay); Tequame-

15. *Cyclas* ----- . A very small species was found in great numbers in the stomachs of whitefish at Marquette in the beginning of July.

16. *Psidium dubium* ? Say. Tequamemen River.

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The following statements by the Editors will make the scope and goals of this new publication clear:

"There is a definite need for a malacological journal which publishes longer papers (i. e., those over 7-10 pages). No publication now exists which can handle such papers on an international scale, and very few local journals can publish long papers. Expansion of one of the present local malacological journals into a larger, international journal seems to be neither possible nor economically feasible. The need for such a publication is becoming more and more acute with the current rapid increase in malacological research.

"The Institute of Malacology, a non-profit organization, proposes to publish an international journal of malacology, *Malacologia*, planned specifically for lengthy and significant papers. The journal will have an international editorial board of competent and well-known malacologists, will publish in five languages, and will be inexpensive enough to ensure a relatively large subscription."

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