

direction." Dr. Fritz Haas: "I am most interested in this, coming from loess country myself. In the aeolian loess of Europe there are but three species of shells, while in the ravines where they were swept together by rain forty to fifty species may be harbored, not homogeneous but stratified. Have you made studies along this line?" Dr. Leonard: "Yes, extensive study. We were helped by an opportune roadside cut made as a highway was being constructed."

CORRECTIONS AND ADDITIONS TO THE CHECKLIST OF  
NORTH DAKOTA PLEISTOCENE AND RECENT MOLLUSCA

SAMUEL J. TUTHILL

Department of Geology, University of North Dakota, Grand Forks, N. D.

A CHECKLIST of the mollusks which are known to occur at present and to have occurred during the Pleistocene Epoch in North Dakota was published in STERKIANA No. 8, p. 12-18. Two errors were incorporated by me. These are given below with numbers and letters designating the position in the checklist which they should have.

Since submitting the original checklist several other items have been discovered. I am particularly indebted to Dr. F. D. Holland, Jr. of the University of North Dakota for contribution of this information. I wish also to express my thanks to the editors of STERKIANA for this opportunity to make corrections and additions to the checklist.

CORRECTIONS

50a. SPHAERIUM STRIATINUM Sterki 1921.  
-- Dall 1905; 136; Winslow 1921; 15.

96a. PROMENETUS UMBILICATELLUS (Cockerell) 1885. -- Winslow 1921; 12.

ADDITIONS

1. ANODONTA DECORA LEA. -- Lea  
1858; 13.

2. ANODONTA FERUSSACIANA Lea 1834.  
Lea 1858; 13. (=Anodontoides ferussacianus (Lea) 1834.)

3. MARGARITANA COMPLANATA Lea.  
-- Lea 1858; 13. (=Lasmigona complanata (Barnes) 1823.)

4. UNIO ALATUS Say 1817. -- Lea 1858;  
13 (=Proptera alata (Say) 1817).

5. UNIO ANODONTOIDES Lea 1831. --  
Lea 1858; 13 (=Lampsilis anodontoides (Lea) 1831.)

6. UNIO ASPERRIMUS Lea 1831. -- Lea  
1858; 13 (=Quadrula quadrula Rafinesque 1820).

7. UNIO ELEGANS Lea 1831. -- Lea 1858;  
13 (=Truncilla truncata Rafinesque 1820).

8. UNIO LACRIMOSUS Lea 1828. -- Lea  
1858; 13 (=Quadrula quadrula).

9. UNIO LAEVISSIMUS Lea 1830. -- Lea  
1858; 13 (=Leptodea laevis (Lea) 1830).

10. UNIO LUTEOLUS Lamarck 1819. -- Lea

1858: 13 (*Lampsilis radiata siliquoides* (Barnes) 1823).

11. UNIO OCCIDENS Lea 1829. -- Lea 1858: 13 (*Lampsilis ventricosa* (Barnes) 1823).

12. UNIO RECTUS Lamarck 1819. -- Lea 1858: 13 (*Ligumia recta* (Lamarck) 1819).

13. UNIO RUBIGINOSUS Lea 1829. -- Lea 1858: 13 (*Fusconaia flava* (Rafinesque) 1820).

14. UNIO UNDULATUS Barnes 1823. -- Lea 1858: 13 (*Amblema costata* Rafinesque 1820, *Fusconaia undulata* (Barnes) 1823, or *Megalonaias gigantea* (Barnes) 1823).

## FRESHWATER OPERCULATES

15. AMNICOLA BINNEYANA (Hannibal) 1913. UND.

## LAND SNAILS

16. VERTIGO ARTHURI von Martens 1882. -- Pilsbry 1948: 997.

## REFERENCES CITED

- LEA, Isaac 1858 (1859) Verbal report of a gift of shells from Dr. F. V. Hayden collected from Big Sioux River, James River and the Red River of the North and presented to the Academy. -- Acad. Nat. Sci. Philadelphia, Proc. (Minutes of the March 1858 Meeting), vol. 10: 13.
- PILSBRY, H. A. (1948) Land Mollusca of North America (North of Mexico). -- Acad. Nat. Sci. Philadelphia, Monograph 3, vol. 2, pp. 521-1113.

REPRINTS OF RARE PAPERS ON MOLLUSCA: NEW WORLD SPECIES IN THE "BULLETIN DE LA SOCIÉTÉ MALACOLOGIQUE DE FRANCE." A. La ROCQUE.

NOTE. Recently, I was lucky enough to acquire a complete set of this rather rare serial. Aside from its interest as a rarity, its value as a reference work is heightened by the fact that it contains two important papers on North and South American Mollusca. The first of these is by C. F. Ancey (1887) well known to readers of the early volumes of the NAUTILUS. The complete title of this paper is given under References Cited. Only part of it is reprinted here (pp. 291-299) as the remainder deals with Mollusca of other parts of the world. The second paper, also by Ancey (1888), is reprinted in full as it deals with a well known North American genus (*Pyrgulopsis*).

1. DESCRIPTIONS OF *NENIA STYLINA* AND *NENIA BLANDIANA* Ancey, ex Bull. Soc. Malac. France, 4: 291-293, 1887.

(page 291)

*NENIA STYLINA*

Testa vix rimata, cylindraneo-subfusiformis, oblique (vertice excepto obtuso, laevigato), acute confertissime costulata, costulis ad aperturam debilioribus, solidula, opaca, haud nitens, cineraceo-brunnea, subvinosa, apice sordide cinerascens. Spira medio vix inflata, ad