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# New York State Museum

PLATES ACCOMPANYING

MUSEUM BULLETIN 25

REPORT OF THE STATE BOTANIST

1898

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ALBANY

UNIVERSITY OF THE STATE OF NEW YORK

1899

MAY 4 1967

## University of the State of New York

### REGENTS

YEAR					
1874	ANSON JUDD UPSON, D.D. LL.D. L.H.D.				
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		<i>Vice-Chancellor, Albany</i>			
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1877	CHAUNCEY M. DEPEW, LL.D.	-	-	-	New York
1877	CHARLES E. FITCH, LL.B. M.A. L.H.D.	-	-	-	Rochester
1877	ORRIS H. WARREN, D.D.	-	-	-	Syracuse
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1881	HENRY E. TURNER	-	-	-	Lowville
1883	ST CLAIR MCKELWAY, LL.D. L.H.D. D.C.L.				Brooklyn
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1885	DANIEL BEACH, Ph D. LL.D.	-	-	-	Watkins
1888	CARROLL E. SMITH, LL.D.	-	-	-	Syracuse
1890	PLINY T. SEXTON, LL.D.	-	-	-	Palmyra
1890	T. GUILFORD SMITH, M.A. C.E. LL.D.	-	-	-	Buffalo
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1895	ALBERT VANDER VEER, M.D. Ph.D.	-	-	-	Albany
1895	CHARLES R. SKINNER, M.A. LL.D.				
		<i>Superintendent of Public Instruction, ex officio</i>			
1897	CHESTER S. LORD, M.A. LL.D.	-	-	-	Brooklyn
1897	TIMOTHY L. WOODRUFF, M.A. Lieutenant-Governor, ex officio				
1899	THEODORE ROOSEVELT, B.A. LL.D. Governor, ex officio				
1899	JOHN T. McDONOUGH, LL.B. LL.D. Secretary of State, ex officio				

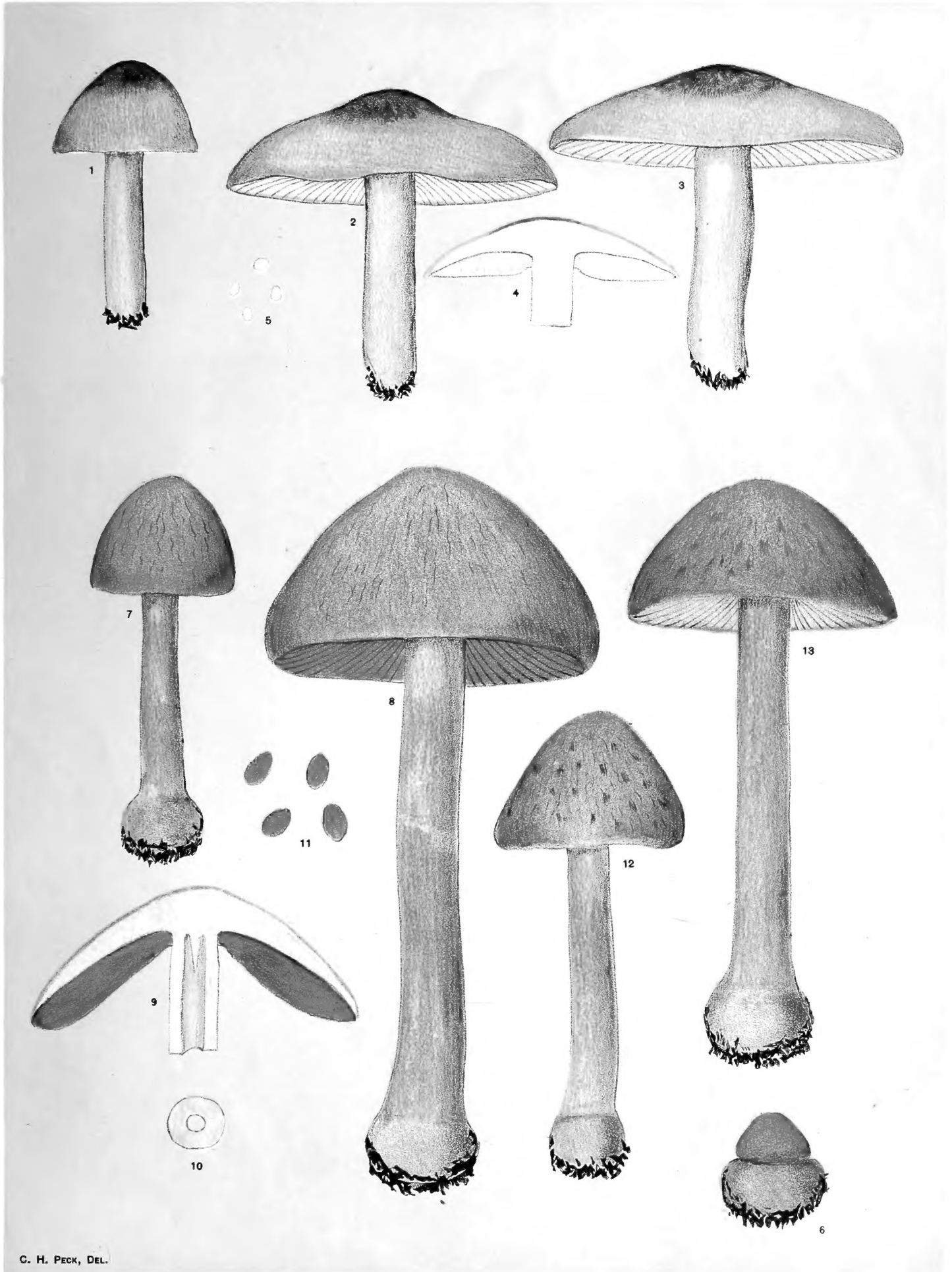
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### SECRETARY

MELVIL DEWEY, M. A.

### DIRECTORS OF DEPARTMENTS

1888	MELVIL DEWEY, M.A.				
		<i>Administrative, State library and Home Education</i>			
1890	JAMES RUSSELL PARSONS JR, M.A.	<i>College and High School dep'ts</i>			
1890	FREDERICK J. H. MERRILL, Ph.D.	<i>State museum</i>			



C. H. PECK, DEL.

FIG. 1 TO 5 **TRICHOLOMA PORTENTOSUM CENTRALE** PK.  
CENTRAL TRICHOLOMA

FIG. 6 TO 13 **CORTINARIUS CORRUGATUS** PK.  
CORRUGATED CORTINARIUS





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FIG. 1 TO 7 **HYGROPHORUS PUNICEUS** FR.  
RED HYGROPHORUS

FIG. 8 TO 12 **HYGROPHORUS VIRGINEUS** FR.  
WHITE HYGROPHORUS

FIGS. 13 TO 20 **HYPHOLOMA INCERTUM** PK.  
UNCERTAIN HYPHOLOMA







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FIG. 1 TO 6 **LACTARIUS CHELIDONIUM** PK.  
CELANDINE LACTARIUS

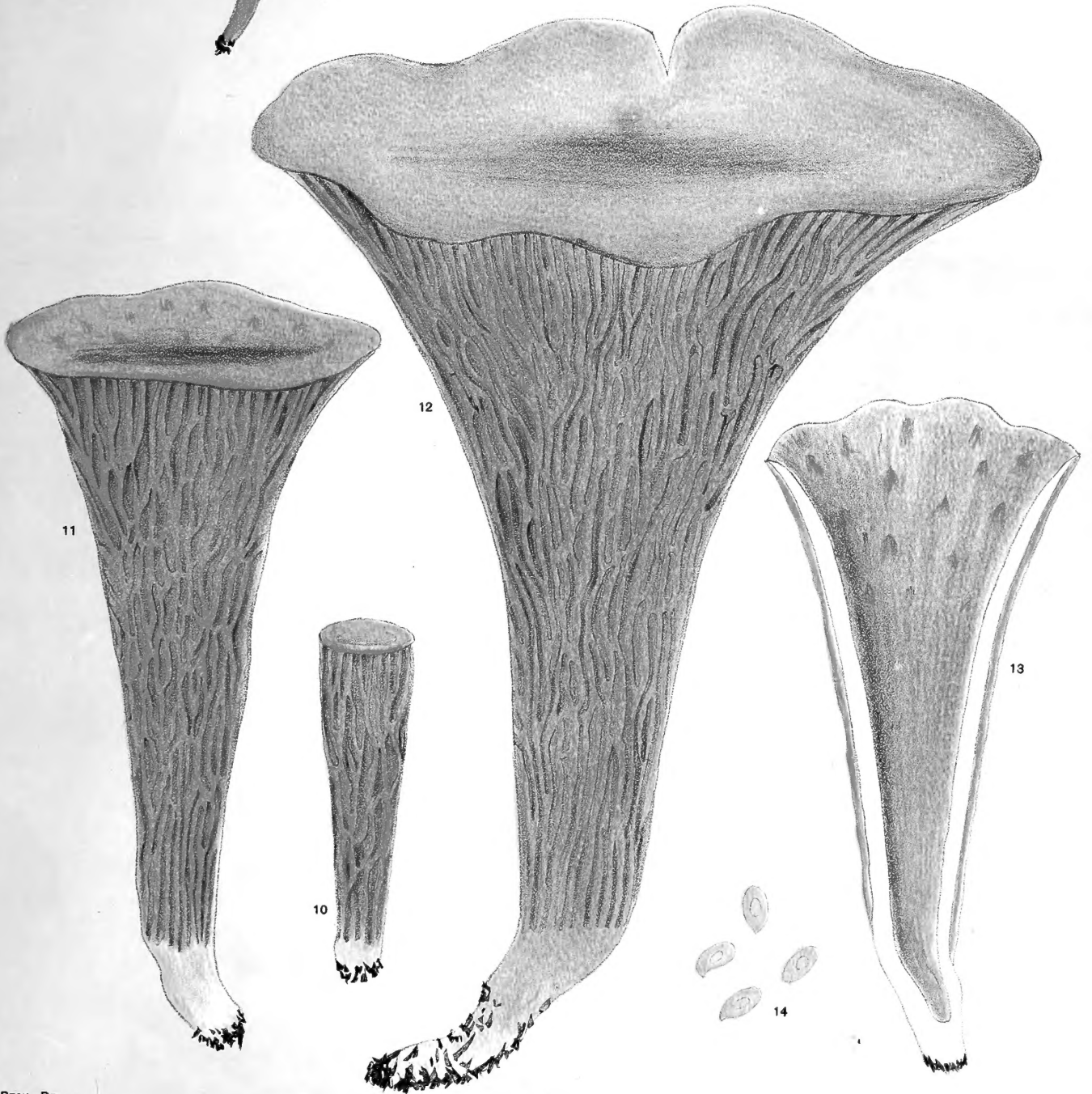
FIG. 7 TO 11 **LACTARIUS DISTANS** PK.  
DISTANT-GILLED LACTARIUS

FIGS. 12 TO 16 **LACTARIUS GERARDII** PK.  
GERARD'S LACTARIUS

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FIG. 1 TO 9 **CANTHARELLUS CINNABARINUS** Schw.  
CINNABAR CHANTERELLE

FIG. 10 TO 14 **CANTHARELLUS FLOCCOSUS** Schw.  
FLOCCOSE CHANTERELLE





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FIG. 1 TO 5 **BOLETINUS PICTUS** PK.  
PAINTED BOLETINUS

FIG. 6 TO 10 **BOLETUS CLINTONIANUS** PK.  
CLINTON'S BOLETUS









New York State Museum

PUBLICATIONS

**Museum reports.** New York state museum. Annual report, 1847–date. O. Albany 1848–date.

Average 300 pages a year. Price for all in print to 1892, 50 cents a volume; 75 cents in cloth; 1892–date, 75 cents, cloth.

**Museum bulletins.** New York state museum. Bulletins. v. 1–6, O. Albany 1887–date. Price to advance subscribers, 75 cents a year.

Volume 1. 6 nos. Price \$1 in cloth

- 1 Marshall, W: B. Preliminary list of New York unionidae. 19p. Mar. 1892. Price 5 cents.
- 2 Peck, C: H. Contributions to the botany of the state of New York. 66p. 2 pl. May 1887. Price [35] cents.
- 3 Smock, J: C. Building stone in the state of New York. 152p. Mar. 1888. Out of print.
- 4 Nason, F. L. Some New York minerals and their localities. 19p. 1 pl. Aug. 1888. Price 5 cents.
- 5 Lintner, J. A. White grub of the May beetle. 31p. il. Nov. 1888. Price 10 cents.
- 6 ——— Cut-worms. 36p. il. Nov. 1888. Price 10 cents.

Volume 2. 4 nos. Price \$1 in cloth

- 7 Smock, J: C. First report on the iron mines and iron ore districts in N. Y. 5+70p. map 58×60 cm. June 1889. Price 20 cents.
- 8 Peck, C: H. Boleti of the U. S. 96p. Sep. 1889. Price [40] cents.
- 9 Marshall, W: B. Beaks of unionidae inhabiting the vicinity of Albany, N. Y. 23p. 1 pl. Aug. 1890. Price 10 cents.
- 10 Smock, J: C. Building stone in New York. 210p. map 58×60 cm, tab. —Sep. 1890. Price 40 cents.

Volume 3

- 11 Merrill, F: J. H. Salt and gypsum industries in New York. 92p. 2 maps 38×58, 61×66 cm, 11 tab. 12 pl. April 1893. Price 40 cents.
- 12 Merrill, F: J. H. & Ries, H. Clay industries of New York. 174p. map 59×67 cm. 2 pl. Mar. 1895. Price 30 cents.  
New edition in preparation.
- 13 Lintner, J. A. Some destructive insects of New York state; San José scale. 54p. 7 pl. Ap. 1895. Price 15 cents.
- 14 Kemp, J. F. Geology of Moriah and Westport townships, Essex co. N. Y., with notes on the iron mines. 38p. 2 maps 30×33, 38×44 cm. 7 pl. Sep. 1895. Price 10 cents.
- 15 Merrill, F: J. H. Mineral resources of New York. 224p. 2 maps 22×35, 58×65cm. Feb. 1896. Price 40 cents.

Volume 4

- 16 Beauchamp, W: M. Aboriginal chipped stone implements of New York. 86p. 23 pl. Oct. 1897. Price 25 cents.
- 17 Merrill, F: J. H. Road materials and road building in New York. 52p. 2 maps 34×44, 68×92 cm. 14 pl. Oct. 1897. Price 15 cents.
- 18 Beauchamp, W: M. Polished stone articles used by the New York aborigines. 104p. 35 pl. Nov. 1897. Price 25 cents.
- 19 Merrill, F: J. H. Guide to the study of the geological collections of the New York state museum. 162p. 119 pl. 1 map 33×43 cm. Nov. 1898. Price 40 cents.

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Volume 5

- 20 Felt, E. P. Elm-leaf beetle in New York. 46p. il. 5 pl. June 1898. *Price 5 cents*
- 21 Kemp, J. F. Geology of the Lake Placid region. 24p. 1 map 33×34 cm. 1 pl. Sep. 1898. *Price 5 cents.*
- 22 Beauchamp, W: M. Earthenware of the New York aborigines. 78p. 33 pl. Oct. 1898. *Price 25 cents.*
- 23 Felt, E. P. 14th report of the state entomologist, 1898. 150p. il. 9 pl. Dec. 1898. *Price 20 cents.*
- 24 — Memorial of the life and entomologic work of J. A. Lintner. 316p. 1 pl. Oct. 1899. *Price 35 cents.*
- 25 Peck, C: H. Report of the state botanist, 1898. 76p. 5 pl. Oct. 1899. *Price 40 cents.*

Volume 6

- 26 Felt, E. P. Collection, preservation and distribution of New York insects. 36p. Ap. 1899. *Price 5 cents.*
- 27 — Shade-tree pests in New York state. 26p. 5 pl. May 1899. *Price 5 cents.*
- 28 Peck, C: H. Plants of North Elba. 206p. 1 map 12×16 cm. June 1899. *Price 20 cents.*
- 29 Miller, G. S., jr. Preliminary list of New York mammals. 124p. Oct. 1899. *Price 15 cents.*
- 30 Orton, Edward. Petroleum and gas in New York. *In press.*
- 31 Beauchamp, W: M. Aboriginal occupation of New York. *In press.*
- Cummings, E. R. Lower Silurian system of eastern Montgomery county; Prosser, C: S. Notes on the stratigraphy of the Mohawk valley and Saratoga county, N. Y. *In preparation.*
- Clarke, J: M. Paleontologic papers; Simpson, G: B. Preliminary descriptions of new genera. *In preparation.*
- Ries, H. Clays: their properties and uses. *In preparation.*
- Miller, G. S., jr. Key to the land mammals of n. e. North America. *In preparation.*

**Economic map.** Merrill, F: J. H. Economic and geologic map of the state of New York. 59×67 cm. 1894. *Price, unmounted 25 cents, backed on muslin 75 cents.*  
Scale 1/4 miles to 1 inch. New edition in preparation.

**Museum memoirs.** New York state museum. Memoirs. v. 1, Q. Albany 1889.

Uniform with the *Paleontology*.

- 1 Beecher, C: E., & Clarke, J: M. Development of some Silurian brachiopoda. 95p. 8 pl. Oct. 1889. *Price 80 cents.*
- 2 Hall, James & Clarke, J: M. Paleozoic reticulate sponges. 350p. il. 70 pl. Oct. 1899. *Price \$1.*
- 3 Clarke, J: M. The Oriskany fauna of Becraft mountain, Columbia co. N. Y. *In preparation.*

**Natural history.** New York state. Natural history of New York. 30 v. il. pl. maps, Q. Albany 1842-94.

Divisions 1-5 out of print.

- Division 1 De Kay, J. E. Zoology. 5 v. pl. 1842-44.
- “ 2 Torrey, John. Botany. 2 v. 1843.
- “ 3 Beck, L. C. Mineralogy. 24+536p. il. pl. 1842.
- “ 4 Mather, W: W.; Emmons, Ebenezer; Vanuxem, Lardner; & Hall, James. Geology. 4 v. pl. maps. 1842-43.
- “ 5 Emmons, Ebenezer. Agriculture. 5 v. il. maps. 1846-54.
- “ 6 Hall, James. Paleontology. 8 v. il. pl. 1847-94.

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