







SIXTH ANNUAL REPORT

OF THE

REGENTS OF THE UNIVERSITY

OF THE

State of New-York,

ON THE

CONDITION OF THE STATE CABINET

OF

NATURAL HISTORY,

AND THE

HISTORICAL AND ANTIQUARIAN COLLECTION

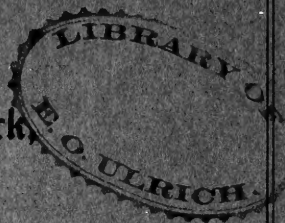
ANNEXED THERETO.

~~~~~  
Made to the Senate, January 22, 1853.  
~~~~~

A L B A N Y:

C. VAN BENTHUYSEN, PRINTER TO THE LEGISLATURE,
No. 407 Broadway.

.....
1853.



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IN SENATE
JANUARY 10, 1893
REPORTS OF THE UNIVERSITY

IN SENATE

State of New York

State of New York

BY THE SENATE OF THE STATE OF NEW YORK
IN SENATE

NATURAL HISTORY

REPORTS OF THE UNIVERSITY

IN SENATE

State of New York

A B C D E

State of New York

State of New-York.

No. 16.

IN SENATE, JAN. 22, 1853.

SIXTH ANNUAL REPORT

Of the Regents of the University, on the condition of the State Cabinet of Natural History, and the Historical and Antiquarian Collection annexed thereto,

TO THE HON. SANFORD E. CHURCH,

Lieutenant-Governor, and President of the Senate.

SIR :

I have the honor to transmit the Annual Report of the Regents of the University, on the State Cabinet of Natural History, and the Historical and Antiquarian Collection annexed thereto.

I have the honor to remain,

Respectfully,

Your obedient servant,

G. Y. LANSING, *Chancellor.*

JANUARY 13, 1853.

No. 10

IN SENATE, JAN. 22, 1853.

REPORT

OF THE BOARD OF THE UNIVERSITY, ON THE CONDITION OF THE
STATE EXHIBIT OF HIGHER LEARNING, AND THE HISTORICAL AND
PRESENT CONDITION OF THE UNIVERSITY.

TO THE HON. RICHARD B. CHURCH,

GOVERNOR OF THE STATE.

1853.

I have the honor to transmit the Annual Report of the Board
of the University, on the State Exhibit of Higher Learning, and
the Historical and Present Condition of the University.
I have the honor to remain,

Respectfully,

Your obedient servant,

O. V. JAMESON, Chairman.

JANUARY 18, 1853.

REGENTS OF THE UNIVERSITY, 1853.

HORATIO SEYMOUR, Governor, *ex officio*.
SANFORD E. CHURCH, Lieutenant-Governor, *ex officio*.
HENRY S. RANDALL, Secretary of State, *ex officio*.
GERRIT Y. LANSING, *Chancellor*.
JOHN GREIG, *Vice-Chancellor*.

GULIAN C. VERPLANCK, LL.D.	JOHN V. L. PRUYN, LL.D.
JOHN K. PAIGE.	JABEZ D. HAMMOND, LL.D.
ERASTUS CORNING.	JOHN L. O'SULLIVAN.
PROSPER M. WETMORE.	ROBERT CAMPBELL.
JOHN L. GRAHAM.	Rev. SAMUEL LUCKEY, D.D.
JOHN M'LEAN.	ROBERT G. RANKIN.
GIDEON HAWLEY, LL.D.	PHILIP S. VAN RENSSELAER.
DAVID BUEL.	Rev. JOHN N. CAMPBELL, D.D.
JAMES S. WADSWORTH.	

T. ROMEYN BECK, *Secretary*.

STANDING COMMITTEES OF THE REGENTS,

SPECIALLY CHARGED WITH THE CARE OF THE STATE CABINET.

1852.

WASHINGTON HUNT, *Governor*.
HENRY S. RANDALL, *Sec. of State*.
ERASTUS CORNING.
JABEZ D. HAMMOND.
JOHN L. GRAHAM.

1853.

HORATIO SEYMOUR, *Governor*.
HENRY S. RANDALL, *Sec. of State*.
ERASTUS CORNING.
JOHN M'LEAN.
JAMES S. WADSWORTH.

JOHN GEBHARD JUNIOR, *Curator*.
JAMES A. HURST, *Taxidermist*.

MEMORANDUM

TO: THE SECRETARY OF DEFENSE

FROM: [Illegible Name]

SUBJECT: [Illegible Subject]

1. [Illegible text]

2. [Illegible text]

3. [Illegible text]

4. [Illegible text]

5. [Illegible text]

6. [Illegible text]

7. [Illegible text]

8. [Illegible text]

9. [Illegible text]

10. [Illegible text]

11. [Illegible text]

12. [Illegible text]

13. [Illegible text]

14. [Illegible text]

15. [Illegible text]

16. [Illegible text]

17. [Illegible text]

REPORT.

TO THE LEGISLATURE OF THE STATE OF NEW-YORK.

The Regents of the University

RESPECTFULLY REPORT :

That during the year just ended, a number of valuable additions have been made, and particularly in the zoological department. Several animals and birds, comparatively rare, have been procured, and the other divisions under this class are generally completing.

The catalogues herewith presented will more fully explain what has been received, either by purchase or donation, in the State Cabinet or the Historical and Antiquarian Collection.

The principal acquisition, however, of the past year, has been the collection of the fossils of the State of New-York, owned by Mr. JOHN GEBHARD junior. The Regents have applied the extra appropriation made at the last session, and designed for that purpose, towards its purchase. In this way only could a perfect series of the fossils within this State be obtained at present; and their possession was further needed, as a guide as well as an explanation to the publication on this subject now in progress.

The papers accompanying this report will give some idea of the extent and value of the collection.

The object of the establishment of the State Cabinet of Natural History was to gather, in one place, specimens of our animal, vegetable, and mineral products. To this was subsequently added a museum of the antiquities of the State, particularly in reference to the Indian race. With views thus defined and limited, the Regents may be permitted to look back, and compare the present condition of the museum with that when they first took charge of it six years since.

In 1847, there were found but ten specimens of quadrupeds ; and although the collection of birds was much larger, still most of them were preserved in an inferior manner, and all were more or less injured by the moth. At present, of the whole number of Mammalia credited to the State by Dr. DE KAY (80), excluding such as cannot be expected to be placed in the collection (19), we have 41 out of the 61 ; of Birds (of 308 credited by Dr. DE KAY), we have all but 32 ; of Reptilia (34), there are 21 specimens ; and of the Amphibia (30), there are 17.

The collection of Fishes, Shells, &c. is confessedly incomplete ; but if the experiments made by Mr. HURST, of preserving fish in the dry way, should ultimately prove successful, this can be readily attended to. As far as at present ascertained, all his attempts have been favorable. He is also required, in order to prevent injury from the moth or other causes, to examine and clean every specimen semi-annually.

On the whole, therefore, should the Legislature agree to continue the present annual appropriation, but few years can elapse before every department will be completed, certainly to the extent of containing a very large proportion of the subjects noticed in the "Natural History of New-York."

With the rapid enlargement of the Cabinet, the difficulty of giving each and every article a proper place, has, from the want of room, been greatly increased.

By Order of the Regents,

G. Y. LANSING, *Chancellor.*

T. ROMEYN BECK, *Secretary.*

STATEMENT AND PROPOSAL OF MR. GEBHARD.

TO THE COMMITTEE OF THE REGENTS OF THE UNIVERSITY OF
THE STATE OF NEW-YORK,

HAVING IN CHARGE THE STATE CABINET OF NATURAL HISTORY.

GENTLEMEN :

The Legislature, at its last session, appropriated one thousand dollars "to the Regents of the University, for the increase of the State Cabinet ;" and which was to be expended (as it was understood by the committee which recommended the appropriation) in the purchase of the fossils of this State, which were not in the State Collection.

Having devoted the leisure hours of some twenty years in collecting the fossils of the Helderberg series of rocks, and feeling quite confident that my cabinet contains a greater number of species of fossils from that series than all the cabinets in the State combined, I offer it for sale to the State of New-York.

In addition to the Helderberg series, it also contains many rare and valuable fossils from the lower rocks, several of which have been figured in Mr. HALL's volumes on Palæontology : there are also sixty or seventy tertiary fossils from Monte Bolca in Italy, and a series of the fossils of the Dudley Rock in England.

Of the number of different species of New-York fossils in the Cabinet, it is impossible at present to speak with entire accuracy. Suffice it to say, that as far only as the palæontology has progressed, Mr. HALL has already figured two hundred and twenty of the specimens ; and that there is a sufficient number of fossils

belonging to me, now in his possession, in my opinion, to complete the third volume of the Palæontology. I have no doubt that there are at least eight hundred different species of New-York fossils in the collection, and of nearly all of which there are numbers of duplicates.

I propose to sell my whole collection of fossils for the sum of two thousand dollars : one thousand to be paid on their delivery at such place as the Regents shall direct ; and the residue in one or two years, as shall best suit the convenience of the Regents.

I claim the kind indulgence of the Regents, in presenting for their consideration the following notices ; which, as they were written several years ago, are undoubtedly impartial opinions of their authors, although my collection has increased one half in number since those opinions were written.

Extract from the Third Annual Report of T. A. CONRAD, on the Palæontological Department of the Survey, for the year 1840, p. 203.

“ One of the finest geological sections in the whole range of the Silurian System occurs at Schoharie, where, fortunately, the organic remains have been collected in large numbers by my friend JOHN GEBHARD junior, whose zeal is worthy of all praise. Through him, I have obtained rare and valuable specimens for the use of the survey, and still more valuable information regarding the stratigraphical position of some of them.”

From MR. HALL's first volume of the Palæontology, printed in 1843, p. 12, preface.

“ Mr. JOHN GEBHARD junior, of Schoharie, has allowed me the free use of his valuable cabinet, which has furnished several fine specimens for the present volume, and will be of the most essential importance in illustration of the middle and higher groups.”

From Prof. MATHER's Report on the First Geological District, printed in 1843, p. 347.

Speaking of the Pentamerus Limestone, Prof. MATHER says : “ It is well exposed to view near the village of Schoharie, where its fossils have been carefully examined by JOHN GEBHARD junior and others for many years. This gentleman has made a more perfect collection of fossils of this and of other members of the Helderberg division of rocks, than any other person.”

From E. DE VERNEUIL'S "Notes on the Parallelism of the Palæozoic Formations of North America, with those of Europe," Paris, 1847, p. 43. Translated from the French (See Silliman's Journal, 2d Series, Vol. vii, p. 221).

"The collection of M. JOHN GEBHARD junior is one of the richest for the series of rocks and fossils, which constitute the hills of the Helderberg around Schoharie," &c.

From Prof. HALL'S Geology of the Fourth District, p. 145.

"UPPER PENTAMERUS LIMESTONE : Mr. GEBHARD junior, of Schoharie, has clearly demonstrated, that by its peculiar assemblage of fossils, it is distinguished from any other rock. The thorough practical acquaintance of Mr. GEBHARD with all the rocks of this part of the system, and his nice discrimination of their fossil contents, renders his opinion decisive in such distinctions."

Respectfully submitted,

(Signed) JOHN GEBHARD JUNIOR.

ALBANY, September 6, 1852.

CATALOGUE

OF THE

CABINET OF FOSSILS OF JOHN GEBHARD JUNIOR,

Which was sold by him to the State of New-York, and which is now in the State Geological Rooms at Albany.

Names of Formations.	Number of Specimens.
CALCIFEROUS SANDROCK	2
CHAZY LIMESTONE	10
BIRDSEYE LIMESTONE	22
TRENTON LIMESTONE	92
UTICA SHALE	36
MEDINA SANDSTONE	9
CLINTON GROUP	33
NIAGARA GROUP, Lockport.....	132
HUDSON-RIVER GROUP.....	5
CORALLINE LIMESTONE, Schoharie	79
TENTACULITE LIMESTONE, "	30
PENTAMERUS GALEATUS LIMESTONE, "	672
CATSKILL SHALY LIMESTONE, "	4438
SCUTELLA LIMESTONE, "	6
UPPER PENTAMERUS LIMESTONE, "	894
ORISKANY SANDSTONE, "	557
SCHOHARIE GRIT, "	1162
ONONDAGA LIMESTONE, "	373
CORNIFEROUS LIMESTONE, "	1000
MARCELLUS SHALES and GONIAITTE } LIMESTONE, "	482
HAMILTON GROUP (Lower part), "	1423
HAMILTON GROUP (Upper part, in- } cluding Chemung and uppermost } rocks of Schoharie, "	1313
PLASTER CASTS OF FOSSILS (mostly trilobites)	131
FISH SCALES (two species), Old Red, Pennsylvania	2
COAL PLANTS from Pennsylvania	37
COAL PLANTS from Ohio	3
FISH REMAINS from Durham, Connecticut	7
BUHRSTONE FORMATION of Georgia	11
TERTIARY, Macon, Georgia.....	2
TERTIARY, Banks of the Potomac	2
CRETACEOUS FORMATION of New-Jersey	5
TERTIARY FORMATIONS of Italy.....	46
DUDLEY ROCKS, England	48

*13064

*Mr. GEBHARD's total is 13059.

The preceding specimens are packed in *forty-one boxes* properly labelled, and are now in the fireproof basement of the State Geological Rooms.

In addition to the above, there are, in drawers in the geological rooms, the following number of unique specimens, viz :

Chazy limestone, 2 ; Trenton, 10 ; Hudson-river, 9 ; Niagara, 4 ; Pentamerus galeatus, 5 ; Delthyris shale, 41 ; Oriskany sandstone, 6 ; Schoharie grit, 10 ; Marcellus shale, 2 ; Hamilton group, 9. Total, 98	
Fish remains : Schoharie grit, 9 ; Onondaga, 2 ; Marcellus shale, 11 ; Hamilton, 5.....	27
Number of specimens returned by Mr. HALL, which are figured in the first and second volumes of the Palæontology	72
To which add the number of the preceding list	<u>13064</u>
Total,	<u><u>13261</u></u>

(Signed) JOHN GEBHARD JUNIOR, *Curator*
of the State Cabinet of Natural History.

There are also a number of specimens in Prof. HALL's possession, and retained by him for drawing and describing (See his certificate herewith presented).

J. G.

I hereby certify that I have delivered to Mr. GEBHARD, all the specimens borrowed of him for the first volume of the Palæontology of New-York ; and, except one specimen mislaid, but which will doubtless be found (as far as at present known), all those described in the second volume.

There still remain in my possession specimens of Mr. GEBHARD, from several of the higher formations, which were intended to illustrate the succeeding parts of the work in their proper place. If, agreeable to the intentions of the Regents, these remain in my possession for this purpose, I will deliver them to the Curator, or deposit them in the State Cabinet, as may be directed, whenever the necessary examinations and descriptions with illustrations have been made.

(Signed) JAMES HALL.

ALBANY, October 15, 1852.

ACCOUNT CURRENT.

The Regents of the University, in account current with the appropriations for preserving and increasing the "State Cabinet of Natural History, and the Historical and Antiquarian Collection annexed thereto," and for defraying the incidental expenses of the same.

CR.

To balance in bank from last year's account (See Assembly Documents of 1852, No. 112, pp. 12, 13, 14).....	\$51 36
To annual appropriation received from the Comptroller	800 00
To annual appropriation for the salary of the Curator	800 00
To special appropriation for the increase of the State Cabinet of Natural History (See Session Laws of 1852, chap. 407, p. 692)	1000 00
	\$2651 36

DR.

1852,		
Jan. 29.	By cash paid J. A. HURST for stuffed animals, viz. a female panther and a black bear (No. 1)	\$110 00
"	By cash paid J. A. HURST, quarter's salary to December 1, 1851, as per agreement, for supervising, examining, and keeping in order the stuffed collection of animals (No. 2)	50 00
"	By cash paid JOHN GEBHARD junior, his monthly salary for Januray 1852 (No. 3)	66 66
March 2.	By cash returned to the State Treasury, being the balance for annual salary of the Curator, the same by agreement to be hereafter paid by the Treasurer (No. 4)	733 34
April 26.	By cash paid DEXTER & NELLEGAR for chemicals, camphor and alcohol, for State Cabinet (No. 5) .	26 25
"	By cash paid WILLIAM J. JOHNSON, for contingencies (No. 6)	6 00
May 22.	By cash paid J. A. HURST, two quarter's salary to June 1, 1852 (No. 7)	100 00
Sept. 13.	By cash paid WEED, PARSONS & Co., for printing labels for Dr. FITCH's Collection of Insects (No. 8),	10 00
	Carried forward,	\$1102 25

1852,	Brought forward,	\$1102 25
Oct. 16.	By cash paid JOHN GEBHARD junior, in part payment of his Collection of Fossils, amounting to upwards of 13000 specimens, being the special appropriation as above (No. 9)	1000 00
Oct. 25.	By cash paid R. H. PEASE for engravings of the Moose and Fisher (Black Cat), for the Fifth Report on the State Cabinet, as per contract (No. 10),	30 00
"	By cash paid J. A. HURST, quarter's salary to September 1, 1852 (No. 11)	50 00
"	By cash paid J. A. HURST for 47 preserved animals not previously in the Collection, including a beaver, two raccoons, golden eagle, raven, owl, rattlesnakes, terrapins, bats, salamanders, dogfish, prickly ray, etc. (No. 12)	242 25
Dec. 9.	By cash paid J. A. HURST, quarter's salary to December 1, 1852 (No. 13)	50 00
"	By cash for contingent expenses, including a blank book for names of visitors (No. 14)	7 75
"	By balance to new account	169 11
		<u>\$2651 36</u>

(COPY.)

DECEMBER 10, 1852. *Albany City Bank.* I certify that there is the sum of one hundred and sixty-nine 11-100 dollars, standing to the credit of the "State Cabinet of Natural History," on the books of the Bank. (Signed) H. H. MARTIN, *Cashier.*

We have examined the above account, and find it correct. The payments have been made by order of the standing committee, and are accompanied with proper vouchers.

WASHINGTON HUNT,
ERASTUS CORNING,
HENRY S. RANDALL.

(A.)

CATALOGUE

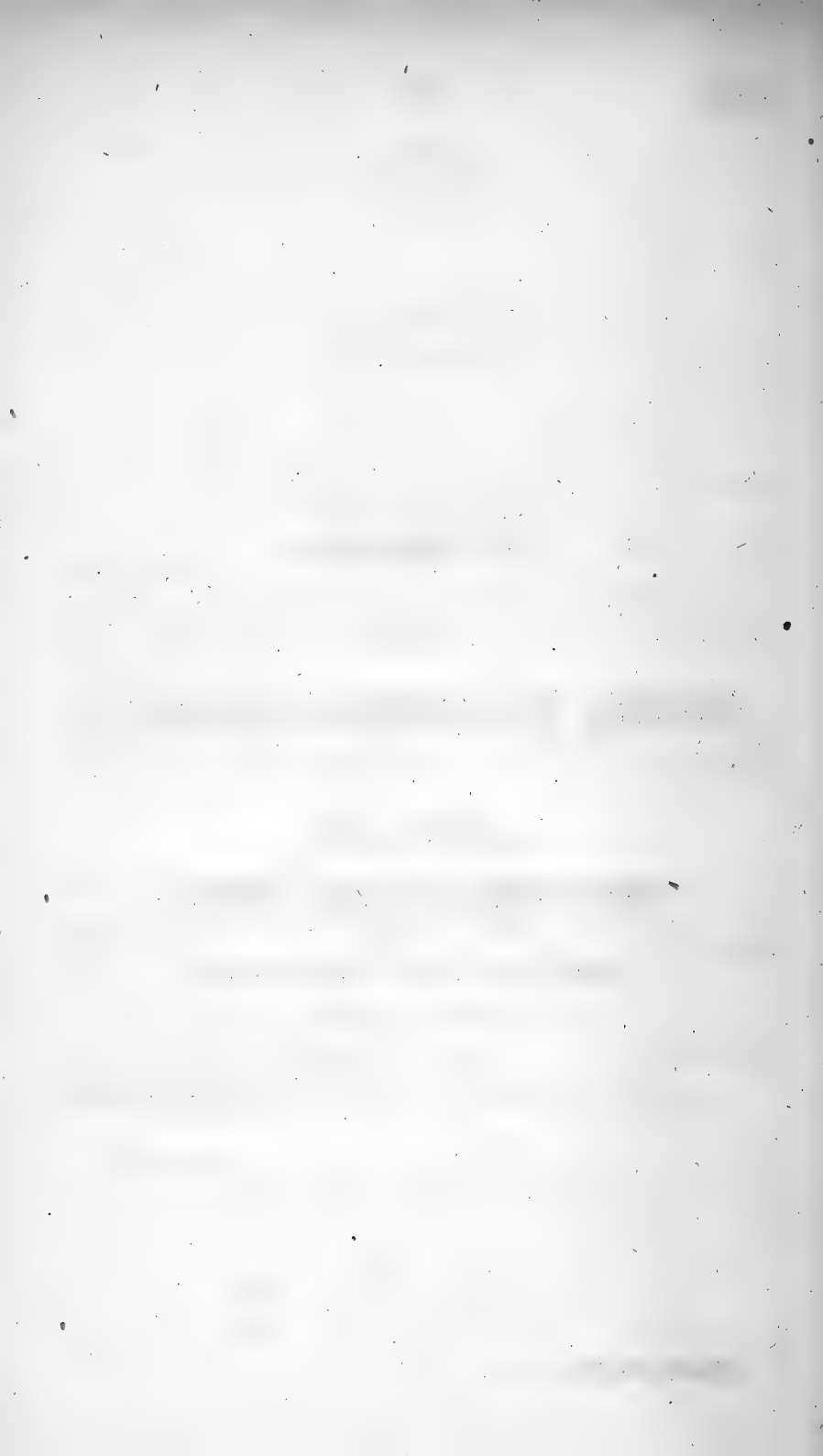
OF THE

Quadrupeds, Birds, Reptiles, Amphibians, &c.

ADDED TO THE

STATE CABINET OF NATURAL HISTORY,

FROM JANUARY 1, 1852, TO JANUARY 1, 1853.



MAMMALIA.

ORDER CARNIVORA.

FAMILY VESPERTILIONIDÆ.

ZOOLOGY — Part I.

VESPERTILIO NOVEBORACENSIS, *New-York Bat* (female). - - - - p. 6

VESPERTILIO CAROLINENSIS, *Carolina Bat* (female and young). - 10

FAMILY URSIDÆ.

PROCYON LOTOR, *Raccoon* (male and female). - - - 26

ORDER RODENTIA.

FAMILY CASTORIDÆ.

CASTOR FIBER, *The Beaver*. - - - - - 72

FAMILY MURIDÆ.

MUS AMERICANUS, *American Black Rat*. - - - - - 81

This specimen was caught in the south part of the city of Albany, in the spring of 1851.

A BALL OF HAIR, taken from the stomach of a fat cow : presented by
JOSEPH J. MOAK of New-Scotland, Albany county.

BIRDS.

ORDER ACCIPITRES.

FAMILY FALCONIDÆ.

Zoology — Part II.

AQUILA CHRYSÆTOS, *Golden Eagle* (male). - - - - p. 4

This beautiful specimen was shot in the winter of 1851, in the town of Niskayuna, Schenectady county.

FAMILY STRIGIDÆ.

OTUS PALUSTRIS, *Short-eared Owl* (female). - - - 28

ORDER PASSERES.

FAMILY CORVIDÆ.

CORVUS CORAX, *Raven*. - - - - - 134

A PARROT : presented by WILLIAM NEWCOMB, of Rensselaer county.

NEST OF THE HUMMINGBIRD : presented by JAMES L. STILL, of Dutchess county.

REPTILES.

ORDER I. TESTUDINATA.

FAMILY CHELONIDÆ.

ZOOLOGY — Part III.

EMYS PICTA,	<i>Painted Tortoise</i> (male). - - - -	p. 12
EMYS GUTTATA,	<i>Spotted Tortoise</i> (male and female). - -	13
EMYS INSCULPTA,	<i>Wood Terrapin</i> (male and female). - -	14
CISTUDA CAROLINA,	<i>Common Box Tortoise</i> (male and female).	24

ORDER II. SAURIA.

FAMILY AGAMIDÆ.

(EXTRA-LIMITAL.)

PHRYNOSOMA CORNUTA,	<i>Horned Frog</i> (Texas). - - - -	31
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Presented by EDWARD R. WOOD, of Albany.

ORDER III. OPHIDIA.

FAMILY COLUBERIDÆ.

COLUBER VERNALIS,	<i>Grass Snake</i> . - - - -	40
TROPIDONOTUS TÆNIA,	<i>Striped Snake</i> . - - - -	43
TROPIDONOTUS DEKAYI,	<i>Small Brown Snake</i> . - - - -	46
LEPTOPHIS SAURITA,	<i>Ribbon Snake</i> . - - - -	47
HETERODON PLATYRHINOS,	<i>Hog-nosed Snake</i> . - - - -	51

FAMILY CROTALIDÆ.

CROTALUS DURISSUS,	<i>Northern Rattlesnake</i> (male and skeleton).	55
CROTALOPHORUS TERGEMINUS?	(Say).	

GENUS CROTALOPHORUS (GRAY).

CROTALOPHORUS TERGEMINUS, *Triple-spotted Rattlesnake.* - - p. 57

SYNONYMS.

Crotalus tergeminus (SAY), Long's Exped. Rock. Mountains, Vol. i, p. 499.

Crotalus tergeminus (HARLAN), Med. and Phys. Researches, p. 135.

Crotalophorus tergeminus (HOLBROOK), N. Am. Herpetology, Vol. iii, pag. 29, pl. 5.

CHARACTERS. Head large, triangular, rounded in front, covered anteriorly and on the vertex with plates, and posteriorly with scales; a deep pit between the eye and nostril; upper jaw with poisonous fangs; body above cinereous, with a triple series of dark brown spots; beneath, a double series of dusky spots. Pl. 150; Caud. Pl. 16; Bifid Pl. 6. HOLBROOK.

This Rattlesnake was first described by Mr. SAY in LONG'S Expedition to the Rocky Mountains during the years 1819 - 20. Mr. SAY observes that they inhabit the region of country bordering on the Rocky Mountains, near the sources of the Missouri, and seem to prefer an unproductive soil where their sluggish gait may not meet with the opposing obstacles of grass and mud; and for their hiding places, they seek the holes of the prairie dog (*Arctomys ludoviciana*).

The specimen in the State Cabinet was presented by the Hon. LEVI FISK of the town of Byron, Genesee county, N. Y. Their habitat is a white cedar swamp in said town, containing an area of about one thousand acres. During the summer season, they leave the swamp, and go into the adjoining fields of grain, where they remain until fall, when they return to the swamp and hibernate. They have not been observed at any other locality in this State. The entire length of the specimen is two feet : it has 139 abdominal plates, and 23 entire and 3 bifid under the tail, upon which there are only three rattles remaining, several appearing to have been broken off. Mr. FISK states that one was killed last summer that had fourteen rattles, and was a little over two feet in length; which may be considered as the maximum size of the species.

Dr. DE KAY, in his Zoology of the State, places the *tergeminus* among the extra-limital. The undoubted occurrence of this rattlesnake in the town of Byron, authorises us to add another species to our catalogue of New-York Reptiles.

AMPHIBIA.

FAMILY RANIDÆ.

ZOOLOGY — Part III.

RANA HORICONENSIS,	Northern Bulfrog (male and female).	p. 61
RANA HALECINA,	Shad-frog (male and female).	63
RANA SYLVATICA,	Wood-frog.	64
HYLA VERSICOLOR,	Northern Tree-toad (male).	71
HYLA SQUIRELLA,	Squirrel Tree-toad (male and female).	72

FAMILY SALAMANDRIDÆ.

SALAMANDRA SYMMETRICA,	Yellow-bellied Salamander (mal. & fem.).	73
SALAMANDRA SUBVIOLOACEA,	Violet-colored Salamander.	74
SALAMANDRA ERYTHRONOTA,	Red-backed Salamander (mal. & fem.).	75
SALAMANDRA RUBRA,	Red Salamander (mal. & fem.).	80
TRITON MILLEPUNCTATUS,	Crimson-spotted Triton (mal. & fem.).	84
TRITON PORPHYRITICUS,	Grey-spotted Triton (mal. & fem.).	85

FISHES.

FAMILY SCOMBRIDÆ.

ZOOLOGY — Part IV.

SWORD OF THE SWORDFISH (<i>Xiphias gladius</i>).	p. 111
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The fish was captured off from New-Bedford, Massachusetts, by R. H. SLITER of Buffalo, and CHESTER C. MOORE of Albany, and the sword is by them presented to the State Cabinet.

FAMILY SQUALIDÆ.

MUSTELUS CANIS,	American Hound-fish.	355
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It is commonly called *Dogfish* by the fisherman. Presented by ELIJAH SIMMONS of Albany.

FAMILY RAIIDÆ.

RAIA AMERICANA,	Prickly Ray.	368
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Presented by ELIJAH SIMMONS of Albany.

CONCHOLOGY.

From the Hon. EGBERT T. SMITH, of Fireplace, Suffolk county.

A number of UNIVALVE and BIVALVE MARINE SHELLS.

From JOHN FITCH, esquire, of Troy, N. Y.

PYRULA CANALICULATA (two specimens).

PYRULA CARICA (two specimens).

PYRULA SPIRATA (two specimens).

These shells were taken from the beach belonging to, and near the residence of WILLIAM VANDERBELT, esquire, at Southfield, Richmond county, N. Y.

RADIATA.

POLYPI.

From ALEXANDER FITCH, of Carlisle, Schoharie county.

A beautiful specimen of BRAINSTONE CORAL (*Meandrina cerebriformis*), from the Bermuda Islands.

BOTANY.

From ABEL FRENCH, esquire, of Albany.

Moss taken by him from fir trees on Mount Flagere, opposite to Mount Blanc, in Switzerland, on the 22d day of September, 1850.

(B.)

CATALOGUE

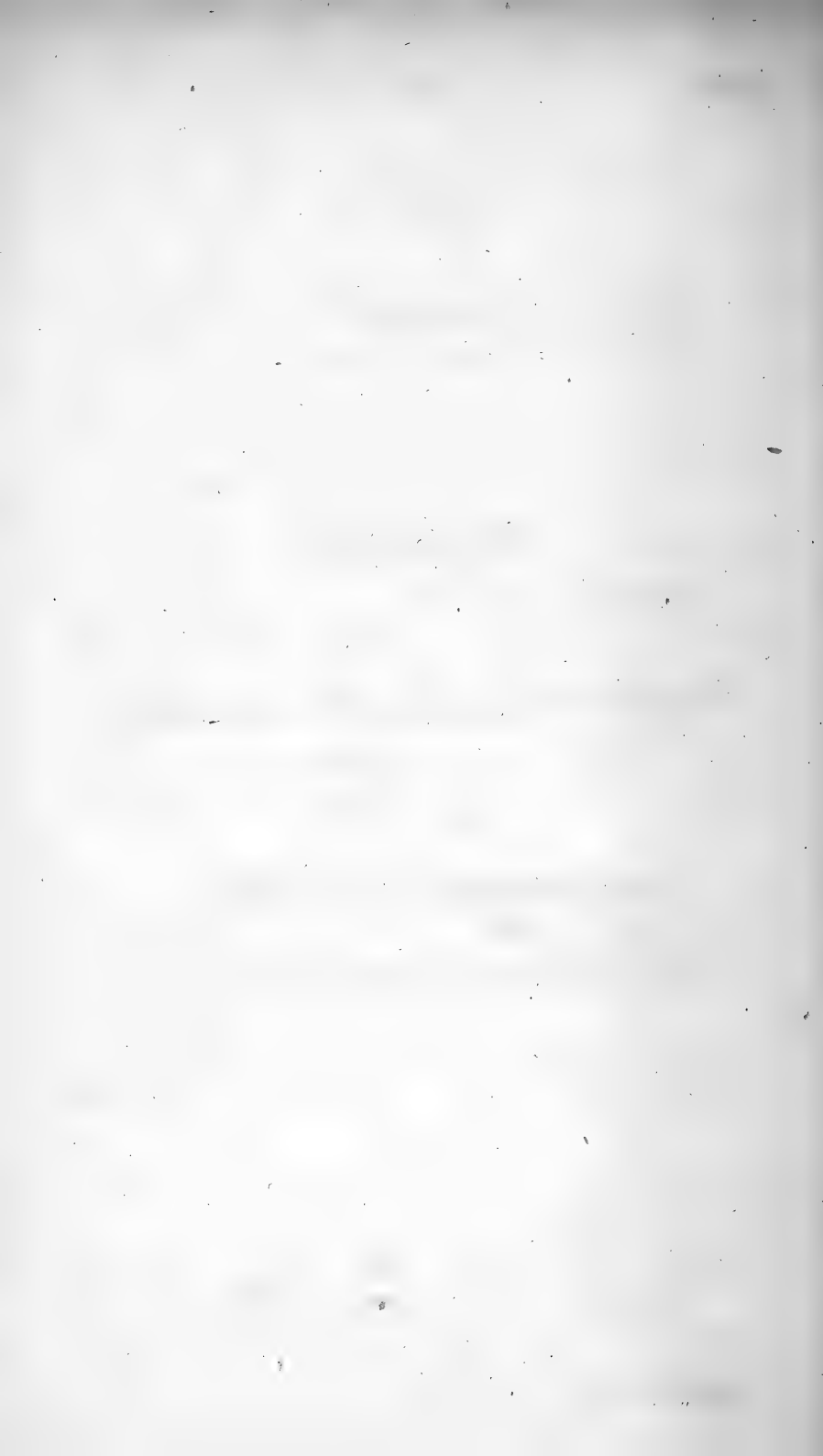
OF

Minerals, Geological Specimens and Fossils,

ADDED TO THE

STATE CABINET OF NATURAL HISTORY,

FROM JANUARY 1, 1852, TO JANUARY 1, 1853.



MINERALS.

DONATIONS.

From **JESSE BUEL**, of Albany.

A specimen of **BITUMINOUS COAL**, from the Deep River Coal Mines,
Chatham county, North-Carolina.

From **JACOB BURHANS**, of Albany.

DOGTOOTH SPAR, from Niagara Falls.

From **E. MERRIAM**.

A specimen of **FOSSIL SALT**, from the Cheshire Salt Mines, England.

From **JOHN FITCH**, esquire, of Troy, N. Y.

CALCAREOUS SPAR, from the town of Chatham, Columbia county; taken
from the tunnel through which the Western Railroad passes.

IRON ORE, from the town of Southfield, Richmond county, N. Y.

GEOLOGICAL (INCLUDING FOSSILS).

DONATIONS.

From SILAS CRAWFORD, of New-Scotland, Albany county.

Five specimens of FAVOSITES, from the town of New-Scotland.

From the Hon. EGBERT T. SMITH, of Fireplace, Suffolk county.

Thirty ROCK specimens, from Suffolk county. At the request of the donor, they are placed in the case containing the minerals, etc. of Suffolk county.

From DARIUS CLARK, esquire, of St. Lawrence county.

A SPATANGUS, from the Cretaceous formation of England.

From JOHN FITCH, esquire, of Troy, N. Y.

WHITE MARBLE, from the quarries of Mr. GREGORY, at Wassaic, Dutchess county, N. Y.

LIME ROCK, from the farm of NATHANIEL GRIFFETH, esquire, Schodack, Rensselaer county.

RED SLATE ROCK, from the farm of ABRAM BINK, esquire, Nassau, Rensselaer county.

(C.)

The following fossils (constituting a portion of the cabinet of JOHN GEBHARD junior, purchased by the State), which were in the possession of Prof. HALL, State Palæontologist, have been delivered by him to the Curator of the State Cabinet, and are placed in the central floor cases in the geological room.

PALÆONTOLOGY, VOL. I.

ORIGINAL FOSSILS FROM WHICH THE DRAWINGS AND DESCRIPTIONS
WERE MADE.

MACLUREA MAGNA,	Pl. 5.	Fig. 1 a.
—	—	1 d.
ENDOCERAS DUPLICATUM,	Pl. 55.	Fig. 1.
ASAPHUS? EXTANS,	Pl. 60.	Fig. 2 a, 2 b.
SPHENOTHALLUS LATIFOLIUS,	Pl. 68.	Fig. 2 a.
—	—	2 b.
—	—	2 c.
—	—	2 d.
—	—	2 e, f.

PALÆONTOLOGY, VOL. II.

ORIGINAL FOSSILS FROM WHICH THE DRAWINGS AND DESCRIPTIONS
WERE MADE.

DIPLOPHYLLUM CORALLIFERUM,	Pl. 72.	Fig. 1 a.
STROMATOPORA CONSTELLATA,	—	2 a.
COLUMNARIA INEQUALIS,	—	3 a.
—	—	4 a.
—	—	4 c.
FAVOSITES NIAGARENSIS?	Pl. 73.	Fig. 1 a.
—	—	1 b.
—	—	1 c.
STROMATOPORA CONCENTRICA,	—	2 b.
ORTHIS INTERSTRIATA,	Pl. 74.	Fig. 1 a.
—	—	2 a.
LEPTÆNA —,	—	3 a.
LEPTÆNA BIPARTITA,	—	4 a.
—	—	5 a.

STROPHODONTA TEXTILIS,	Pl. 74.	Fig. 6 a.
SPIRIFER ———,	"	8 a, b, c.
— — —	"	8 d.
SPIRIFER CRISPUS,	"	9 a, b, c, d, e, f, g, h.
ATRYPA NUCLEOLATA,	"	10 a, b, c.
— — —	"	10 g, h.
— — —	"	10 i, k.
ATRYPA LAMELLATA,	"	11 a.
— — —	"	11 c, d.
— — —	"	11 e, f.
— — —	"	11 g, h.
— — —	"	11 i.
ATRYPA ———,	"	12.
TELLINOMYA? EQUILATERA,	Pl. 75.	Fig. 1 a.
— — —	"	1 b.
AVICULA? ———,	"	2 a, b, c.
AVICULA SUBRECTA,	"	3.
AVICULA SECURIFORMIS,	"	4.
— — —	"	5 a.
— — —	"	5 b.
AVICULA LIMÆFORMIS,	"	6 a.
— — —	"	6 b.
PLATYOSTOMA ———,	Pl. 76.	Fig. 1.
PLEUROTOMARIA SUBDEPRESSA,	"	2 a, b.
MURCHISONIA? OBTUSA,	"	3.
MURCHISONIA? TEREBRALIS,	"	4.
BUCANIA ———,	"	5.
— — —	"	6 a.
— — —	"	6 b.
BELLEROPHON AURICULATUS,	"	7 a.
— — —	"	7 b.
TROCHOCERAS TURBINATA,	Pl. 77.	Fig. 1.
TROCHOCERAS GEBHARDII,	"	2.
— — —	Pl. 77 A.	Fig. 1 a, c, d.
— — —	"	1 d.
— — —	"	2 a, b.
ONCOCERAS EXPANSUM,	Pl. 78.	Fig. 1 a.
CALYMENE CAMERATA,	"	1 b.
— — —	"	1 c.
— — —	"	1 d.
— — —	"	1 e.
PHEAGMOCERAS?	"	3 a.
— — —	"	3 b.
CATENIPORA ESCHAROIDES,	Pag. 325.	

FOSSILS REFERRED TO, BUT NOT FIGURED OR DESCRIBED

Four specimens of	CORALS.
Six — — —	of UNIVALVES.
Four — — —	of ORTHOCERA.
Three — — —	of CRINOIDAL COLUMNS.
Two — — —	of BIVALVES.

PALÆONTOLOGY, VOL. III.

For this volume, thirteen plates of fossils have been engraved and printed. Of the fossils figured on these plates, one hundred and three (103) are copied from specimens placed in the cases. There are also eleven fossils in the hands of the engraver.

In addition to these, there have been placed in the cases over six hundred (600) specimens of rare and valuable fossils from the following formations, viz: Tentaculite limestone, Pentamerus galeatus limestone, Delthyris shaly limestone, Upper Pentamerus limestone, Oriskany sandstone, Schoharie grit, Onondaga limestone, Corniferous limestone, Marcellus shale, and Hamilton group. Many of these specimens are unique, and the most of them perfect. The majority of them will be figured and described in volumes 3 and 4 of the Palæontology.

MATERIALS belonging to the State, which have been used in publishing the Natural History and the Annual Reports of the Regents of the University, received into the geological rooms since the first day of January 1852.

The WOODCUTS which were used in the Report of the Regents of the University on the State Cabinet of Natural History for the year 1851.

The WOODCUTS which were used in the Report of the Regents on the State Cabinet for the year 1852.

SIX WOODCUTS OF PARHELLA, which were used in the Annual Report of the Regents for the year 1852.

MATERIALS belonging to the State, which are intended to be used in completing the publication of the Natural History, received into the geological rooms since the first day of January 1852.

DEPARTMENT OF PALÆONTOLOGY.

Received, April 27, 1852, of JOHN E. GAVIT, three thousand printed impressions each, from Plates 19, 54, 56, 60, 55, 57 and 39 (seven plates), for the second volume of the Palæontology.

Received, May 4, 1852, of RICHARD H. PEASE, Steel Plates Nos. 40, 40 B, 23 and 58, for the second volume of HALL'S Palæontology.

Received, May 1852, of the representatives of WILLIAM ENDICOTT deceased, two boxes, containing the following printed impressions of plates for HALL'S Palæontology.

VOL. 2.

CORALLINE LIMESTONE,	Pl. 72.
CORALLINE LIMESTONE,	Pl. 73.

VOL. 3.

PENTAMERUS LIMESTONE,	Pl.
ORISKANY SANDSTONE,	Pl.
ORISKANY SANDSTONE,	Pl.

VOL. 4.

HAMILTON GROUP,	Pl.
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VOL. 5.

MODERN PERIOD (Vertebrata),	Pl.
MODERN PERIOD (Vertebrata),	Pl.

Received, July 8, 1852, of JOHN E. GAVIT, three thousand printed impressions each, of Plates Nos. 58 and 69 (amended plate), for the second volume of HALL'S Palæontology.

Received, July 9, 1852, of RICHARD H. PEASE, three thousand printed impressions each, of Plates Nos. 34 A, 40 B, 40 C, 40 G, 68 and 71; also Steel Plates 40 B, 40 C, 68 and 71, for the second volume of HALL'S Palæontology.

(D.)

ADDITIONS

TO THE

Historical and Antiquarian Collection

IN THE

STATE CABINET OF NATURAL HISTORY,

FROM JAN. 1, 1852, TO JAN. 1, 1853.

DONATIONS.

From JAMES A. HURST, of Albany.

FOUR MUSKET-BALLS and TWO BUCKSHOT, from the Battlefield of Lundy's Lane, Canada West.

From WILLIAM THORN, of Albany.

An IRON KEY and a BRASS BELT SLIDE, dug up by him at Fort Ticonderoga in the year 1849.

From HIRAM WOOD, of Caldwell, Lake George.

An IRON WORMER, used for drawing charges from muskets ; found on the grounds near Fort William-Henry.

From PETER B. NOXON, M. D., of Watervliet, Albany county.

A STONE AXE, made of chlorite.

This specimen was ploughed up in the ninth ward of the city of Albany.

From the Hon. ELEAZAR JACKSON, of Cornishflatt, Sullivan county, New-Hampshire.

An ANCIENT SWORD, SCABBARD and BELT.

[Senate No. 16.]

The following is a copy of the communication of Mr. JACKSON, accompanying the relic:

CORNISH (N. H.), April 22, 1852.

To the Secretary of the State Antiquarian Society, Albany, N. Y.

SIR,

I have lately come in possession of a sword of ancient manufacture, but of what date I am unable to say. The blade of the sword appears to be of the best of steel, mounted with brass; and on either side of the blade, in large capitals, is engraved the following: "God Bless the Province of New-York." If your Society have none of the kind in their collection, I should deem it a pleasure to present it to your Society.

The history of the sword, as far as I have been able to learn it, is that it was the property of a provincial officer, who served in early French and Indian wars on the frontiers of New-York and Vermont; and who died at an advanced age more than fifty years ago. His property was sold at auction, and this sword was purchased by Mr. FRANCIS COBB of this place (a remote connection), and remained in his possession while he lived. Mr. COBB died some two or three years since, more than ninety years old; and when his property was inventoried, I found the sword among some rubbish in the attic of the house. I purchased the sword, for a small sum, for its antiquity.

The widow of Mr. COBB is still living, and is more than ninety years of age. Her mind is so much impaired, as to be unable to give much correct history in relation to the sword. She thinks she recollects two battles in which the sword was worn by her relation: the taking of Louisburg in 1757, and the capture of Quebec in 1759.

Respectfully your obedient servant,

ELEAZAR JACKSON.

From ROBERT SPENCER DYER, of Albany.

A BRICK, made from the natural soil without any admixture.

The following is copy of Mr. DYER's letter accompanying the donation:

ALBANY, October 22, 1852.

This brick was brought from New-York city, as a specimen of the kind used in the erection of the new building, now being erected on the southwest corner of Thames-street and Broadway, near Trinity Church, and called "Trinity Building."

The subscriber was informed by the master bricklayer, that they were moulded in the common way, and burned with a wood fire, the same as the ordinary red brick. They are made from the natural soil, without any admixture. Manufactured at Buffalo (N. Y.), at \$6.50 per thousand. In New-York, the cost and charges enhance the value to \$17.00 per thousand.

This sample of a valuable and growing staple of the great State of New-York is most respectfully presented to the New-York State Geological Society, by their most obedient servant,

R. SPENCER DYER.

CORRECTION.

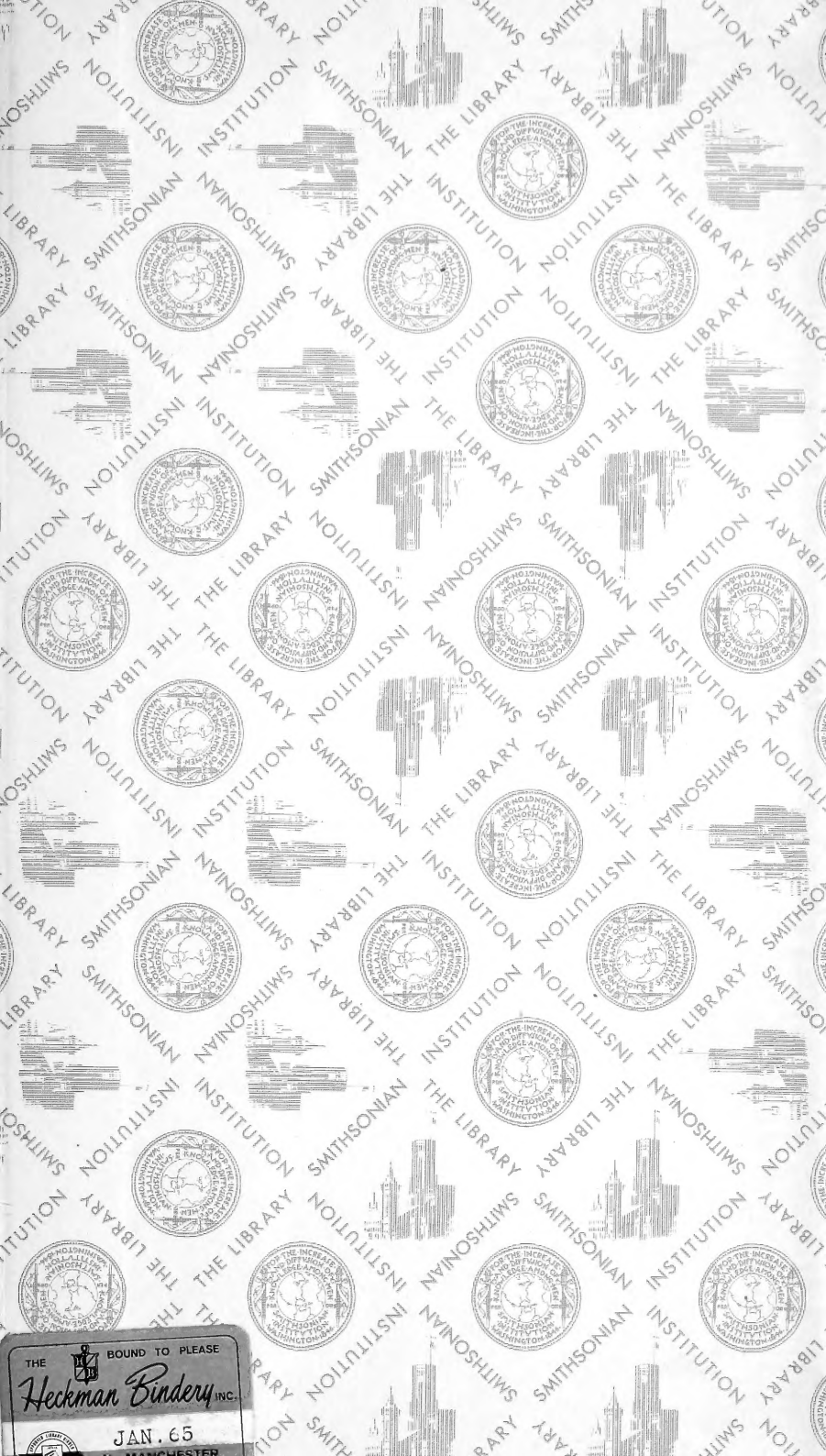
SAMUEL W. EAGER, esquire, the historian of Orange county in this State, in a letter addressed to the Secretary, dated August 22, 1852, points out an error of statement made in the Third Annual Report on the State Cabinet of Natural History, page 156 of the first edition, and page 160 of the second.

“ If you will take the trouble (he remarks) to refer to EAGER’s History of Orange County, Article *Mastodon*, p. 77, you will find a copy of a letter from Governor DUDLEY to the Rev. COTTON MATHER, D.D., dated at Roxbury, 10th July 1706, in which the tooth in question is particularly described, with the place of finding, wholly, etc.”

The period of discovery was therefore in 1706, instead of 1713.







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