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BIBLIOGRAPHY

OF

AMERICAN NATURAL HISTORY

FOR THE YEAR 1851.

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CHARLES GIRARD.

SMITHSONIAN INSTITUTION:

WASHINGTON.

DECEMBER, 1852.

PREFACE.

IN the present volume, we aim at giving, in a synoptical form, the Bibliography of American Natural History, for the year 1851. We propose to extend the work by decades of preceding years, as well as annually in the future.

Our plan includes, 1st, the doings of American naturalists; 2d, the labors of foreign authors, in reference to America; 3d, abstracts, or reviews of papers relative to foreign natural history, when published in American periodicals, since they properly belong to American Bibliography.

In the proceedings of learned societies, short verbal communications are often recorded without any title being given. These we have embodied in our bibliography with such headings as, in our judgment, seemed most appropriate. We have placed them at the end of each division, in order to distinguish them from the more elaborate works. For the suitableness of the titles assigned we alone are responsible.

To each title we have appended the names of the species described as new; also the names of the species that have been transferred into other genera, either new or previously known.

PREFACE.

When mistakes in the determination of species have been ascertained, the rectifications have been given in notes placed immediately beneath. The names in *italics* indicate synonyms.

Living ourselves amidst the scenes of the labors thus recorded, we have not considered it expedient to attempt an estimate of their value. Many of the papers will undoubtedly require a careful revision before a correct opinion can be formed in this respect. The arrangement of the materials, however, will, for the present, enable them to speak for themselves.

An abstract of the following pages was first published in the *American Journal of Science and Arts*, in March, of the present year. The work, as presented here, is differently arranged, and embraces a larger field, together with additions and improvements.

C. GIRARD.

WASHINGTON, D. C.
Dec. 1852.

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Plasmopora foliis.	Perry co. Tenn.
Lyellia (n. g.) Americana.	Drummond Island, (Lake Huron).
Favosites Troosti.	Iowa.
Michelinia convexa.	Michigan and Indiana.
Chaetetes Dalii.	Ohio.
tuberculatus.	Ohio and England.
rugosus.	Ohio.
milleporaceus.	Tennessee and Ohio.
Dekayia (n. g.) aspera.	Ohio.
Syringopora tabulata.	Ohio and Indiana?
Chonostegites (n. g.) Clappi.	Ohio.
Cyathaxonia profunda.	Ohio.
Zaphrentis centralis.	Kentucky.
Rafinesquii.	Ohio.
cliffordana.	Kentucky.
Dalii.	Illinois.
Stokesii.	Drummond Island.
Desori.	Perry county, Tennessee.
spinulosa.	Illinois.

- Zaphrentis Halli. New York.
 Marcoui. Lockport, New York.
 Amplexus Yandelli. Ohio Falls.
 Anysophyllum Agassizi. Perry county, Tennessee.
 Baryphyllum Verneuillanum. Kentucky.
 Hallia insignis. Ohio.
 Trochophyllum Verneuillanum. Kentucky.
 Hadrophyllum Orbignyi. Indiana and Ohio.
 Cyathophyllum Shumardi, Perry county, Tennessee.
 Lesueuri. Caledonia, (N. Y.).
 Clisiophyllum Danaanum. Perry county, Tennessee.
 Lithostrotion Stokesii. North America.
 Phillipsastrea Verneuili. Wisconsin.
 Species transferred from one genus into another.
 Protaraea vetusta. Ohio and Indiana.
 (*Porites vetusta*, Hall).
 Lyellia glabra. Iowa.
 (*Sarcinula glabra*, Owen).
 Favosites favosa. Drummond Island.
 (*Calamopora favosa*, Goldf.).
 Favosites mammillaris. North America.
 (*Favosites maxima*, Troost).
 Emmonsia (n. g.) hemispherica, United States.
 (*Favosites hemispherica*, Yand. & Shum.).
 Emmonsia cylindrica. United States.
 (*Favosites cylindrica*, Michigan).
 Chaetetes filiasa. United States.
 (*Monticulipora filiasa*, d'orb.).
 Chaetetes ramosus. Ohio.
 (*Morticulipora ramosa*, d'orb.).
 Chaetetes mammulatus. Ohio.
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(Caryophyllia gigantea, Lesu. Turbinolia bucceros, Raf. & Cliff.
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(Caninia sulcata, d'Orb.).
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(Strombodes rectus, Hall).
 Cyathophyllum distortum. United States.
(Strombodes distortus, Hall).
 Cyathophyllum rugosum. United States.
(Astrea rugosa, Hall).
 Strombodes striatus. Drummond Island.
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 Couperi.
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JACKSON (C. T.). Description and analysis of Allanite from Franklin, New Jersey.—Proc. Amer. Assoc. Adv. Sc. iv. 1851, 323. (116)

JACKSON (C. T.). Description of bismuthic Tellurium or tetrady-mite, from the gold mine of Whitehall, Virginia; with an analysis of the mineral, and its relation to the gold associated with it.—Proc. Amer. Assoc. Adv. Sc. iv. 1851, 324. (117)

JOHNSON (S. W.). On the Houghite of Prof. Shepherd.—Amer. Journ. of Sc. xii. 1851, 361. (118)

OWEN (D. D.). On the existence of phosphorus in the carbonites of iron of the Des Moines coal fields.—Proc. Amer. Assoc. Adv. Sc. v. 1851, 45. (119)

SEAL (T. F.). On hydrargillite with the corundum of Pennsylvania.—Amer. Journ. of Sc. xi. 1851, 267. (120)

SHEPARD (C. U.). An account of several new mineral species.—
Proc. Amer. Assoc. Adv. Sc. iv. 1851, 311. (121

Nov. sp. Dysyntribite. St. Lawrence county, New York.
Rutherfordite. Rutherford county, North Carolina.
Paracolumbite. Taunton, Massachusetts.
Houghite. St. Lawrence county, New York.
Marasmolite. Middletown, Connecticut.
Calypsolite. Haddam, Connecticut.
Eumanite. Chesterfield, Massachusetts.
Corundophilite. Buncombe county, North Carolina.

SHEPARD (C. U.). On new localities of American minerals.—Proc.
Amer. Assoc. Adv. Sc. iv. 1851, 319. (122

SMITH (J. Lawrence). Memoir on emery. First part. On the
geology and mineralogy of emery, from observations made
in Asia Minor.—Amer. Journ. of Sc. xii. 1850, 354.
Second part. On the minerals associated with Emery:
Corundum, Hydrargillite, Diaspore, Zinc spinel, Pholerite,
Ephesite (a new species), Emerylite (a new species), Mus-
covite, Chloritoid (a new variety), Black Tourmaline, Chlo-
rite, Magnetic Oxyd of Iron, Oligiste Iron, Hydrated Oxyd
of Iron, Iron Pyrites, Rulite, Ilmenite, and Titaniferous
Iron.—Amer. Journ. of Sc. xi. 1851, 53. (123

New sp. exot. Ephesite, Emerylite.

SMITH (J. Lawrence). Liebigite.—Amer. Journ. of Sc. xi. 1851,
259. (124

WURTZ (Henry). On the Troostite of New Jersey.—Proc. Amer.
Assoc. Adv. Sc. iv. 1851, 146. (125

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HAYES (A. A.). On crystallized quartz, containing crystals of Ru-
tile, from Waterbury, Vermont.—iv. 1851, 23. (126

ANATOMY, PHYSIOLOGY, AND EMBRYOLOGY.

- AGASSIZ (Louis). The classification of insects from embryological data.—Smiths. Contr. to Knowl. II. 1851. (127
- AGASSIZ (Louis). On the relation between coloration and structure in the higher animals.—Proc. Amer. Assoc. Adv. Sc. IV. 1851, 194. (128
- AGASSIZ (Louis). On the growth of the egg, prior to the development of the embryo.—Proc. Amer. Assoc. Adv. Sc. IV. 1851, 18. (129
- BURNETT (W. I.). Researches on the origin, development, and nature of the spermatie particles throughout the vertebrata. (Abstract).—Proc. Amer. Assoc. Adv. Sc. IV. 1851, 22. (130
- BURNETT (W. I.). On utricles, as the primordial forms of all animal tissues.—Proc. Amer. Assoc. Adv. Sc. IV. 1851, 127. (131
- CABOT (Sam.). Notes on the internal anatomy of a female Mina bird (*Gracula religiosa*).—Proc. Bost. Soc. Nat. Hist. IV. 1851, 85. (132
- DANA (J. D.). On the analogy between the mode of reproduction in plants, and the alternating generation observed in some radiata.—Proc. Amer. Assoc. Adv. Sc. IV. 1851, 177. (133
- GIRARD (Charles). On the organs of vision and the nervous system in the embryo of Ascidia.—Proc. Bost. Soc. Nat. Hist. IV. 1851, 30. (134
- GOADBY (Henry). On the preservation of animal substances.—Amer. Journ. of Sc. XII. 1851, 378. (135

KELLER Wm.). Ueber eigenthümliche Ciliarzellen in den Embryonen einiger nackter Meer mollusken.—*Keller u. Tied.* Nord-Amer. Monatsber. für Natur. u. Heilk. II. 1851, 17. (136)

KIRTLAND (Jared P.). On the resuscitation of frozen fish.—*Amer. Journ. of Sc.* XII. 1851, 291. (137)

KIRTLAND (Jared P.). Remarks on the sexes and habits of some of the acephalous bivalve mollusca.—*Proc. Amer. Assoc. Adv. Sc.* v. 1851, 85. (138)

WYMAN (Jeffries). On the cranium of a flat-head Indian, from the Columbia River.—*Proc. Bost. Soc. Nat. Hist.* IV. 1851, 83. (139)

WYMAN (Jeffries). Some statements regarding the structure of the spinal cord in bats.—*Proc. Bost. Soc. Nat. Hist.* IV. 1851, 35. (140)

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BURNETT (W.). On muscular contractions. IV. 1851, 101.—On the sexual organs of spiders. IV. 1851, 106. (78)

KNEELAND (S.) jr. On the cervical vertebræ of *Emysaurus serpentina*. IV. 1851, 84. (141)

WYMAN (J.). On the skull of *Trionyx ferox*. IV. 1851, 10.—On the skull of a young *Emys punctata*. IV. 1851, 14.—On the cranium of an hippopotamus, and especially on its teeth. IV. 1851, 27.—On the brain and spinal cord of the lumpfish. IV. 1851, 82.—Microscopic examination of the brain and spinal cord in frogs. IV. 1851, 107.—Notes on the anatomy of *Carcarias obscurus*. IV. 1851, 123. (142)

B. *In Proceedings of the Academy of Natural Sciences, of Philadelphia.*

LEIDY (J.). On fungoids in a mole cricket. V. 1851, 201, 210. (143)

GENERAL ZOOLOGY.

BURNETT (W. I.). Notes on the fauna of the pine barrens of upper South Carolina.—Proc. Bost. Soc. Nat. Hist. IV. 1851, 115. (144)

GOSSE (P. H.). A naturalist's sojourn in Jamaica. London, 1851. (145)

Nov. sp.

MAMMALIA.

Artibeus achradophilus.

carpolegus.

sulphureus.

Chilonicteris grisea.

Macrotes Waterhousii.

Mus saccharivorus.

Capromys brachyurus, Hill.

REPTILIA.

Chilabothrus inornatus.

Dactyloa Edwardsii.

Hyla brunnea.

Litoria luteola.

Trachycephalus lichenatus.

Natrix capistrata.

Natrix callileme.

atra.

PISCES.

Exocoetus Hillianus.

Monochirus inscriptus.

Poecilia melapleura.

Clupea lamprotaenia.

Mugil irretitus.

Apistes exul.

Elacate falcipennis.

Tetraodon ammocryptus.

Chatæssus eumorphus.

ACALEPHÆ.

Porpita (Polybrachionea) minuta.

LECONTE (John L.). Zoological notes.—Proc. Acad. Nat. Sc. Philad. V. 1851, 319. (146)

Nov. sp.

OPHIURIDÆ.

Ophiolepis annulata. Panama.

“ geminata. “

“ simplex. “

“ hispida. “

Ophiothrix spiculata. “

PLANARIÆ.

Glossostoma (n. g.) nematoideum. Panama.

Elasmodes (n. g.) discus. Panama.

Typhlolepta extensa. “

POLYPI.

Zoantha Danai. “

POEY (F.). Memorias sobre la Historia Natural de la isla de Cuba, acompanadas de sumarios latinos y extractos en francés. Habana, I. 1851. 8vo. (cum Tab. annectis). (147

PISCES.

Serranus yacone.

præstigiator.

Phoebe.

Plectropoma indigo.

gummigutta.

Mesoprion caudanotatus.

Cyclostoma nodulatum.

revinctum.

honestum.

verecundum.

claudicans.

procax.

apertum.

solenatum.

mani.

confertum.

incultum.

Rangelinum.

MOLLUSCA.

Helicina hians.

politula.

excavata.

luteopunctata.

VERTEBRATES.

MAMMALS.

WAGNER (A.). Beiträge zur Kenntniss der Säugethiere Amerika's.
3 Abthl. 1851. 4to. (cum Tab. VII.). (148)

WOODHOUSE (S. W.). The North American jackal, *Canis frustror*.
—Proc. Acad. Nat. Sc. Philad. V. 1851, 147. (149)
Nov. sp. *Canis frustror*. Neosho River.

A. *In Proceedings of the Academy of Natural Sciences of Philadelphia.*

BERLANDIER (Louis). On the *Canis mexicanus*, Desm. and *Canis frustror*, Woodh.—V. 1851, 156. (150)

BIRDS.

BONAPARTE (C. L.). On the garruline birds/or jays, with descriptions of new species.—Proc. Zool. Soc. Lond. and Ann. & Mag. Nat. Hist. VII. 1851, 412. (151)

CASSIN (John). Sketch of the birds composing the genera *Vireo*, *Vicillot*, and *Vireosylvia*, Bonaparte, with a list of those previously known, and descriptions of three new species.—Proc. Acad. Nat. Sc. Philad. V. 1851, 149. (152)
Nov. sp. *Vireosylvia flavoviridis*. *Vireo Huttoni*.
philadelphica.

CASSIN (John). Descriptions of new species of birds of the family *Laniidae*, specimens of which are in the collection of the Academy of Natural Sciences of Philadelphia.—Proc. Acad. Nat. Sc. Philad. V. 1851, 244. (155)

Nov. sp. *Lanius pallidirostris*. Eastern Africa.
pallens. Fazogloa, “ “
Laniarius quadricolor. Port Natal, Eastern Africa.
Dryoscopus sublacteus. Eastern Africa?
atrialatus. “ “

- CASSIN (John). Descriptions of new species of birds of the genera *Galbula* and *Bucco*, Briss. specimens of which are in the collection of the Academy of Natural Sciences of Philadelphia.—Proc. Acad. Nat. Sc. Philad. V. 1851, 154. (153
Nov. sp. *Galbula cyanicollis*. Brazil.
Bucco Ordii. Venezuela.
- CASSIN (John). Notes of an examination of the birds composing the family *Caprimulgidæ*, in the collection of the Academy of Natural Sciences of Philadelphia.—Proc. Acad. Nat. Sc. Philad. V. 1851, 175. (154
Nov. gen. *Stenopsis*, and *Lurocalis*.
- CASSIN (John). Catalogue of the *Caprimulgidæ* in the collection of the Academy of Natural Sciences of Philadelphia.—Proc. Acad. Nat. Sc. Philad. V. 1851, 278. (156
- CASSIN (John). Descriptions of birds of the genera *Laniarius*, *Dicrurus*, *Graucalus*, *Manacus* and *Picus*, specimens of which are in the collection of the Academy of Natural Sciences of Philadelphia.—Proc. Acad. Nat. Sc. Philad. V. 1851, 347. (157
Nov. sp. Amer.
Manacus flaveolus. Bogota, New Grenada.
Picus thyroideus. California.
Nov. sp. Exot.
Laniarius carbonarius. Western Africa.
Dicrurus aculeatus. Eastern Africa.
Graucalus azureus. Western Africa.
- GIRAUD (J. P.). Description of a new species of *Helinaia*.—Ann. Lyc. Nat. Hist. New York. V. 1851, 40. (158
Nov. sp. *Helinaia brevipennis*. Mexico and Texas.
- GOULD (J.). Descriptions of new birds.—Proc. Zool. Soc. Lond. and Ann. & Mag. Nat. Hist. VII. 1851, 339. (159
Nov. sp. Amer.
Cephalopterus glabricollis. South America.
Andigena laminirostris. Quito.
Odontophorus columbianus. Caracas.

GOULD (J.). On six new species of humming birds. — Proc. Zool. Soc. Lond. and Ann. & Mag. Nat. Hist. VII. 1851, 339. (160

Nov. sp.

Selasphorus scintilla.	Trochilus castaneiventris.
Thaumatias? chionura.	niveoventer.
Thalurania venusta.	cœruleogularis.

LAWRENCE (G. N.). On the occurrence of the Caspian Fern (*Sylochelidon caspius*) in North America. — Ann. Lyc. Nat. Hist. New York. V. 1851, 37. (161

LAWRENCE (G. N.). Description of a new species of *Tyrannus*. — Ann. Lyc. Nat. Hist. New York. V. 1851, 39. (162
Tyrannus Cassinii. Texas.

LAWRENCE (G. N.). Descriptions of new species of birds of the genera *Conirostrum*, D'Orb. and Lafr., *Embernagra*, Less. and *Xanthornus*, Briss., with a list of other species from Texas. — Ann. Lyc. Nat. Hist. New York. V. 1851, 112. (163
Conirostrum ornatum. *Xanthornus affinis*.
Embernagra rufivirgata.

LAWRENCE (G. N.). Additions to North American ornithology. Nos. 1 and 2. — Ann. Lyc. Nat. Hist. New York. V. 1851, 117 and 123. (164

LAWRENCE (G. N.). Descriptions of new species of birds, of the genera *Toxostoma*, Wagler, *Tyrannula*, Swainson, and *Plectrophanes*, Meyer. — Ann. Lyc. Nat. Hist. New York, V. 1851, 121. (165
Toxostoma Lecontei. *Plectrophanes McCownii*.
Tyrannula cinerascens.

MCCALL (G. A.). Some remarks on the habits, etc., of birds met with in western Texas, between San Antonio and the Rio Grande, and in New Mexico; with descriptions of several species believed to have been hitherto undescribed. — Proc. Acad. Nat. Sc. Philad. V. 1851, 213. (166
Cyanocorax Cassinii. *Carpodacus obscurus*.

- WALLACE (Alfred R.). On the umbrella-bird (*Cephalopterus ornatus*) "Ueramimbe".—Ann. & Mag. Nat. Hist. VIII. 1851, 428. (167)

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- BREWER (T. M.). On the pine grosbeak (*Strobilophaga enucleator*), the cross bill (*Loxia americana*), the lesser redpoll (*Fringilla linaria*) and mealy redpoll (*Fringilla borealis*). IV. 1851, 42.—Comparison of the egg of the European and American fork-tailed petrel, etc. IV. 1851, 7. (168)

B. *In Proceedings of the Academy of Natural Sciences, of Philadelphia.*

- CASSIN (J.). Remarks on owls.—V. 1851, 236. (169)

REPTILES.

- DUMÉRIL (C. & A.). Catalogue méthodique de la collection des reptiles du Muséum d'Histoire Naturelle de Paris. Première livraison. Paris, 1851. 8vo. (170)

Cinosternon cruentatum.	Anolis transversalis.
leucostomum.	Basiliscus galeritus.
Emys areolata.	Crocodylus Moreleti.
Berardii.	Gymnodactylus scapularis.
labyrinthica.	Holotropis trachycephalus.
Ameiva septemlineata.	Ophryossoides (n. g.) tricristatus.
Anolis heterodermus.	

- GIRARD (Charles). On a new American saurian reptile.—Proc. Amer. Assoc. Adv. Sc. IV. 1851, 200. (171)
Holbrookia (n. g.) maculata. Platte River.

FISHES.

- BREVOORT (J. Carson). Contributions to ichthyology. No. 1. New York. 1851. 8vo.—(Description of the *Selene argentea* of Lacépède, a fish whose existence has been doubted).—Ann. Lyc. Nat. Hist. New York. V. 1851, 68. (172)

- GIRARD (Charles). Révision du genre *Cottus* des auteurs.—Nouv. Mém. Soc. Helv. Sc. nat. XII. 1851. (282)

- GIRARD (Charles). On a new genus of American Cottoids. — Proc. Bost. Soc. Nat. Hist. IV. 1851, 18. (173)
Trigloporus (n. g.) Thompsonii. Lake Ontario.

- GIRARD (Charles). Contributions to the natural history of the fresh water fishes of North America. I. A monograph of the Cottoids. — Smiths. Contr. to Knowl. III. 1851. 4to. (174)
Nov. sp.
Cottus bairdii. Lake Huron. *Cottus Wilsonii*.
formosus. Lake Ontario.

- PERLEY (M. H.). Descriptive catalogue of the fishes of New Brunswick and Nova Scotia. Fredericton. 1851. 2d ed. 1852. 8vo. (175)

- PERLEY (M. H.). Report upon the fisheries of the bay of Fundy. Fredericton. 1851. 8vo. (176)

- PERLEY (M. H.). Report on the sea and river fisheries of New Brunswick, within the gulf of St. Lawrence and Bay of Chaleur. Fredericton. 1850. 8vo. (177)

- PRESCOTT (Wm.). Descriptions of new species of fishes, from a "Synopsis of the fishes of the Winnipiseogee, and its connecting waters." — Amer. Journ. of Sc. XI. 1851, 340. (178)
Coregonus novangliae. *Salmo symmetrica*.
neo-hantonensis.

- STORER (H. R.). Description of a new species of *Etheostoma*. — Proc. Bost. Soc. Nat. Hist. IV. 1851, 37. (179)
Etheostoma Linsleyi.

A. *In Proceedings of the Boston Society of Natural History.*

- AYRES (W. O.). On *Vandellia cirrhosa*, a fish¹ from Para. — IV. 1851, 31. (180)

B. *In American Journal of Science and Arts.*

- AGASSIZ (L.). Observations on the blind fish of the Mammoth Cave. — XI. 1851, 127. (181)

ARTICULATES.

INSECTS.

BURNETT (W. J.). Account of some observations on the seventeen-year locust (*Cicada septendecim*).—Proc. Bost. Soc. Nat. Hist. IV. 1851, 71. (182)

BURNETT (W. J.). On the relation of the distribution of lice to the different Faunas.—Proc. Amer. Assoc. Adv. Sc. IV. 1851, 133. (183)

CASSIN (John). Note on the above species of Cicada, and on the *Cicada septendecim*, Linn.—Proc. Acad. Nat. Sc. Philad. V. 1851, 273. (184)

EDWARDS (Milne) et BLANCHARD (Emile). Catalogue de la collection entomologique du Muséum d'Histoire Naturelle de Paris. Classe des insectes. Ordres des Coléoptères. Tome I. Paris. 1850. 8vo. (185)

Nov. sp.

Aclopus intermedius.

Alvarinus (n. g.) *Hilarii*.

pallidipennis.

submetallicus.

subsericeus.

Ancistrostoma farinosa.

flavovittata.

Ancylonycha afflicta.

angusta.

brevicollis.

capillata.

cinnamomea.

columbiana.

conformis.

crassissima.

crenaticollis.

cribricollis.

denticulata.

diffinis.

Ancylonycha fragillipennis.

fulvipennis.

glaberrima.

guadulpensis.

Hogardi.

lanata.

laticeps.

Lebasii.

Leprieuri.

longicornis.

Menetriesii.

mexicana.

neglecta.

nitidicollis.

parallela.

pectoralis.

Plæi.

profunda.

puncticollis.

- Ancylonycha punctipennis.**
 punctulata.
 ravida.
 rugulosa.
 sanctipauli.
 sarricata.
 stipitalis.
 testaceipennis.
 uniformis.
- Anomala æneipennis.**
 bimaculata.
 chalcosoma.
 fulgidicollis.
 irrorata.
 Latreilli.
 Levii.
 limbaticollis.
 Lucie.
 nitidula.
 porcata.
 pulchra.
 punctatipennis.
 rhizotrogoides.
 sticticoptera.
 strigidioides.
 tessellatipennis.
 testaceipennis.
 violaceipennis.
- Anomalachilus (n. g.) singularis.**
Anoplosiacum (n. g.) pallidulum.
 sulcatulum.
 villosicolle.
- Antichira cœrulescens.**
 concoloripes.
 concinna.
 glaucus.
 melanaria.
 mixta.
 pantochloris.
 pubiventris.
- Aplodema (n. g.) angustata.**
Astaena conformis.
Barybas (n. g.) nanus.
- Blepharotoma (n. g.) tarsalis.**
Bolax angulatus.
 catharinæ.
 foveolatus.
 Gaudichaudi.
 nitens.
 squamuliferus.
 tibialis.
- Byrosopolis crassa.**
 quadraticeps.
- Calodactylus (n. g.) tibialis.**
Ceraspis albovaria.
 castaneipennis.
 citrina.
 gibbicollis.
 guttata.
 flava.
 fulva.
 leucosoma.
 mixta.
 obscura.
 pallida.
 signata.
 tibialis.
 vetista.
- Chariodema (n. g.) chlorodera.**
 costatipennis.
 pallens.
 subcostata.
 suturalis.
 villosa.
 vittata.
 xylina.
- Chlorota cincticollis.**
 limbaticollis.
 rotundata.
 virens.
- Chrysina costata.**
Clavipalpus orbygnanus.
 ursinus.
- Cotinis Moreletii.**
 plicatipennis.
- Crathoplus squamiferus.**

- Cratoscelis aterrima.*
 Gayana.
 plana.
 villosa, Dej.
Demodema (n. g.) cinerascens.
 fallax.
Dichelonycha violaceipennis.
Dicrania (n. g.) ebenina.
 fasciculata.
Dorysthetus glaucus.
Euphoria boliviensis.
 humilis.
 lineoligera.
Euryaspis Gaudichaudi.
Faula (n. g.) cornuta.
 innorata.
 quadrimaculata.
 quadripustulata.
Gama (n. g.) fusca.
 grandicornis.
 pallida.
 relucens.
Gymnetis albomaculata.
 chalybea.
 pallidipennis.
 sexmaculata.
 uniformis.
Homonyx chalceus.
 planicostatus.
Isonychus albofasciatus.
 catharinae.
 cinereus.
 concolor.
 crinitus.
 denudatus.
 elegans.
 fasciolatus.
 fulvescens.
 fuscescens.
 fuscipennis.
 gracilipes.
 lineola.
 lituratus.
Isonychus marmoratus.
 murinus.
 obsoletus.
 ochraceus.
 paganus.
 phlaeopterus.
 soricinus.
 squamifer.
 unicolor.
 varians.
 villosus.
 vittiger.
Lagochile collaris.
Lasiocala fulvohirta.
Leucothyreus capitatus.
 chalceus.
 cribratipennis.
 cyanescens.
 dorsalis.
 elongatus.
 femoralis.
 fulvus.
 fuscescens.
 fuscicollis.
 humilis.
 laticollis.
 limbatus.
 metallicus.
 modestus.
 pallidipes.
 pilosellus.
 punctulatus.
 rufipes.
 rugipennis.
 subcupreus.
 variipes.
Lichnia immarginata.
Liogenys concolor.
 denticeps.
 fulvescens.
 fuscus.
 Gayanus.
 obscurus.

Liogenys pallens.	Phytalus lævigatus.
pallidicornis.	obsoletus.
parvus.	piceus.
quadridentatus.	pruinusus.
sanctæcrucis.	pubicollis.
Listrochelus Laportæi.	Platycœlia boliviensis.
Macrodactylus annulitarsus.	lutescens.
cinereus.	olivacea.
cupreus.	Plectris ænea.
fulvipennis.	afflicta.
limbatus.	angerona.
nitidicollis.	barda.
pallens.	binotata.
pulchripes.	brevis.
sulphureus.	caliginosa.
Mallotarsus (n. g.) spadiceus.	contaminata.
Maypa (n. g.) chlorosticta.	crassa.
Microchilus lineatus.	cuprescens.
Monocrania piligera.	decolorata.
rugosipennis.	flavohirta.
Octotemna (n. g.) singularis.	fulva.
Pachylotoma (n. g.) viridis.	grenadensis.
Pelidnota fulva.	indigens.
fuscoænea.	laticeps.
herbacea.	latifrons.
leuridipes.	lignicolor.
notata.	mus.
rubriventris.	neglecta.
testaceivirens.	obsoleta.
viridana.	perplexa.
Philochlœnia (n. g.) ambitiosa.	pubescens.
brevipes.	rubescens.
brevitarsis.	rugulosa.
comata.	rugulosipennis.
delicatula.	scutalis.
lineatocollis.	scutellaris.
murina.	subcostata.
truncata.	subdepressa.
virescens.	violascens.
Phyllopertha Moreletiana.	Schizochelus (n. g.) bicoloripes.
villosella.	flavescens.
Phytalus apicalis.	Serica basiliensis.
boliviensis.	columbiana.

<i>Serica ferrugata</i> .	<i>Strigoderma peruviansis</i> .
<i>parvula</i> .	<i>villosula</i> .
<i>Sericoides chiliensis</i> .	<i>Symmela pallipes</i> .
<i>Strigoderma anea</i> .	<i>uniformis</i> .
<i>chalybeicollis</i> .	<i>Temnostoma</i> (n.g.) <i>sulcatipennis</i> .
<i>cupreiceps</i> .	<i>Thyridium cupriventre</i> .
<i>mexicana</i> .	<i>cyanitarse</i> .
<i>nigrita</i> .	<i>Ulomenes</i> (n. g.) <i>hypocrita</i> .

FISHER (J. C.). On a new species of Cicada. — Proc. Acad. Nat. Sc. Philad. V. 1851, 272. (186
Cicada Cassinii.

GIRARD (Charles). On the seventeen-year locust. — Proc. Bost. Soc Nat. Hist. IV. 1851, 110. (187

GRAY (J. E.). List of the specimens of homopterous insects in the collection of the British Museum. Prepared by FRANCIS WALKER. Part I. 1850. Parts II. and III. 1851. London. 12mo. (188

Nov. sp. Amer.

<i>Acocephalus solidaginis</i> .	<i>Aulacizes rufiventris</i> .
<i>sparsus</i> .	<i>terminalis</i> .
<i>Aconophora compressa</i> .	<i>viridivitta</i> .
<i>concolor</i> .	<i>Bythroscopus albidus</i> .
<i>guttifera</i> .	<i>aurealbus</i> .
<i>interna</i> .	<i>flavus</i> .
<i>marginata</i> .	<i>guttatus</i> .
<i>obtusa</i> .	<i>obsoletus</i> .
<i>Aethalion basale</i> .	<i>sobrices</i> .
<i>bivittatum</i> .	<i>stipatus</i> .
<i>fissum</i> .	<i>stramineus</i> .
<i>latipes</i> .	<i>Carineta basalis</i> .
<i>pulchrum</i> .	<i>pilosa</i> .
<i>punctatum</i> .	<i>sciras</i> .
<i>Aphrophora diminuta</i> .	<i>Centrotus aurifascia</i> .
<i>occidentis</i> .	<i>costalis</i> .
<i>Aulacizes atomaria</i> .	<i>cribratus</i> .
<i>basalis</i> .	<i>flavivittus</i> .
<i>conspersa</i> .	<i>ignipes</i> .
<i>latifascia</i> .	<i>jucundus</i> .
<i>linearis</i> .	<i>latipennis</i> .

<i>Centrotus platycerus.</i>	<i>Cladodiptera smaragdula.</i>
<i>Ceresa apicalis.</i>	<i>Cœlidia atra.</i>
<i>basalis.</i>	<i>eburnea.</i>
<i>brevis.</i>	<i>rufifrons.</i>
<i>plana.</i>	<i>rufipennis.</i>
<i>Cicada albiflos.</i>	<i>Cyclochila honesta.</i>
<i>biconica.</i>	<i>Darnis robusta.</i>
<i>braure.</i>	<i>stupida.</i>
<i>brisa.</i>	<i>tripartita.</i>
<i>calloipe.</i>	<i>Darnoides carinata.</i>
<i>chariclo.</i>	<i>Delphax luteivitta.</i>
<i>consonans.</i>	<i>producta.</i>
<i>cuna.</i>	<i>unicolor.</i>
<i>crucifera.</i>	<i>Dichoptera ferruginea.</i>
<i>diupilon.</i>	<i>herbida.</i>
<i>invaria.</i>	<i>smaragdina.</i>
<i>Johannis.</i>	<i>tessellata.</i>
<i>melisa.</i>	<i>Dictyophora brachyrina.</i>
<i>mesochlora.</i>	<i>fusiformis.</i>
<i>occidentis.</i>	<i>truncata.</i>
<i>ornea.</i>	<i>Dilobopterus fervens.</i>
<i>panyases.</i>	<i>Elidiptera guianæ.</i>
<i>passer.</i>	<i>occidentis.</i>
<i>passerculus.</i>	<i>punctata.</i>
<i>psophis.</i>	<i>Enchenopora antonina.</i>
<i>rosacordis.</i>	<i>ascendens.</i>
<i>semilata.</i>	<i>bicolor.</i>
<i>solennis.</i>	<i>bimacula.</i>
<i>spinicosta.</i>	<i>brevis.</i>
<i>stigma.</i>	<i>ferruginea.</i>
<i>torrida.</i>	<i>fissa.</i>
<i>tricolor.</i>	<i>frigida.</i>
<i>Ciccus cinctipes.</i>	<i>galeata.</i>
<i>diminutus.</i>	<i>læta.</i>
<i>dorsivitta.</i>	<i>longa.</i>
<i>ignifer.</i>	<i>scenica.</i>
<i>intermedius.</i>	<i>sericea.</i>
<i>maculata.</i>	<i>subtrigona.</i>
<i>obliquus.</i>	<i>venosa.</i>
<i>rufifacies.</i>	<i>Enchophora pyrrhocrypta.</i>
<i>Cixius columbia.</i>	<i>Entylia accisa.</i>
<i>rufimacula.</i>	<i>concisa.</i>
<i>vicarius.</i>	<i>decisa.</i>

Entylia incisa.	Monecphora crocea.
reducta.	demissa.
Fidicina aper.	incompleta.
excavata.	neglecta.
nigrorufa.	ornata.
Flatoides cervinus.	radiata.
conformis.	rubicunda.
discus.	semifascia.
humeralis.	solita.
pilops.	viridescens.
quadratus.	vittata.
Gypona fervens.	Monopsis floridæ.
quadrinaculata.	pallida.
reticulata.	virides.
signifera.	Orthoraphia reducta.
smaragdula.	Oxygonia altifrons.
viridirufa.	auriflua.
Hemiptycha viridissima.	extensa.
Heteronotus abscisus.	Paropia triangulum.
exisus.	Penthimia vicaria.
Hoplophora concolor.	Physoplia media.
propina.	Pochazia remota.
Horiola composita.	Pœcilopectera herbida.
latifrons.	latifrons.
semivitta.	nana.
trigona.	nivifera.
Hysteropterum punctiferum.	perfecta.
Jassus columbiæ.	proxima.
conspersus.	quadrata.
testaceus.	robusta.
productus.	rufifascia.
Ledra episcopalis.	testacea.
Lepeyronia brevis.	Poiocera basistella.
Lystria crocea.	bimacula.
tenebrifera.	limpida.
Membracis alta.	obliquata.
celsa.	rubifascia.
expansa.	satellitea.
marginalis.	semilimpida.
surgens.	setifera.
Monecphora alboatra.	undata.
angusta.	Polyglypta brevivitta.
basalis.	interrupta.

<i>Polyglypta straminea.</i>	<i>Tettigonia albida.</i>
<i>Proconia atra.</i>	<i>albigutta.</i>
<i>clarior.</i>	<i>albofasciata.</i>
<i>contraria.</i>	<i>amena.</i>
<i>lucerneæ.</i>	<i>angulifera.</i>
<i>magna.</i>	<i>antica.</i>
<i>marginata.</i>	<i>badia.</i>
<i>nigricans.</i>	<i>basimacula.</i>
<i>parallela.</i>	<i>caudata.</i>
<i>tenebrosa.</i>	<i>cephalotes.</i>
<i>Propetes</i> (n. g.) <i>compressa.</i>	<i>crassa.</i>
<i>Pterygia exaltata.</i>	<i>cyanescens.</i>
<i>varia.</i>	<i>decora.</i>
<i>Ptyelus basivitta.</i>	<i>decorata.</i>
<i>cribratus.</i>	<i>dilecta.</i>
<i>detritus.</i>	<i>fasciata.</i>
<i>disciger.</i>	<i>fervoida.</i>
<i>gelidus.</i>	<i>fusca.</i>
<i>interruptus.</i>	<i>gaudens.</i>
<i>mutans.</i>	<i>grandis.</i>
<i>ocelliger.</i>	<i>herbida.</i>
<i>parallelus.</i>	<i>immaculata.</i>
<i>quadrangularis.</i>	<i>innotata.</i>
<i>speculigutta.</i>	<i>intacta.</i>
<i>Rhaphirhinus brevis.</i>	<i>intensa.</i>
<i>Scaris latipennis.</i>	<i>jucunda.</i>
<i>obliqua.</i>	<i>læta.</i>
<i>picca.</i>	<i>leucomelas.</i>
<i>Sphenorhina brevis.</i>	<i>longipes.</i>
<i>elliptica.</i>	<i>lugens.</i>
<i>latifascia.</i>	<i>minor.</i>
<i>lineata.</i>	<i>multicolor.</i>
<i>ocellata.</i>	<i>nigrifascia.</i>
<i>parallela.</i>	<i>opulenta.</i>
<i>quadriguttata.</i>	<i>pallida.</i>
<i>rufivaria.</i>	<i>pallipes.</i>
<i>stellata.</i>	<i>plumbea.</i>
<i>transiens.</i>	<i>prasina.</i>
<i>Sphingophorus undulatus.</i>	<i>producta.</i>
<i>Tetraplatyx</i> (n. g.) <i>atomarius.</i>	<i>pruinosa.</i>
<i>Tettigates compacta.</i>	<i>pyrrhotelus.</i>
<i>Tettigonia acuta.</i>	<i>quadrimaculata.</i>
<i>æstuans.</i>	<i>quadriplagiata.</i>

<i>Tettigonia rubicauda.</i>	<i>Thelia substriata.</i>
<i>rubriguttata.</i>	<i>tacta.</i>
<i>rufa.</i>	<i>tumida.</i>
<i>ruficaput.</i>	<i>varia.</i>
<i>rutilans.</i>	<i>Tomaspis divisa.</i>
<i>scita.</i>	<i>Tragopa tetyrides.</i>
<i>septenguttata.</i>	<i>Triecphora antica.</i>
<i>similis.</i>	<i>bella.</i>
<i>stipata.</i>	<i>propinqua.</i>
<i>striata.</i>	<i>scita.</i>
<i>subflava.</i>	<i>Triquetra hebes.</i>
<i>teliformis.</i>	<i>reticulata.</i>
<i>tenella.</i>	<i>sobria.</i>
<i>vespiformis.</i>	<i>valida.</i>
<i>viridescens.</i>	<i>venenosa.</i>
<i>uniguttata.</i>	<i>Umbonia apicalis.</i>
<i>Thelia angulata.</i>	<i>lativitta.</i>
<i>bipunctata.</i>	<i>obscura.</i>
<i>collina.</i>	<i>reducta.</i>
<i>conica.</i>	<i>Zammara angulosa.</i>
<i>constans.</i>	<i>cuncta.</i>
<i>gladiator.</i>	<i>erato.</i>
<i>lutea.</i>	<i>intricata.</i>
<i>rufivitta.</i>	<i>montezuma.</i>
<i>semifascia.</i>	<i>plena.</i>
<i>similis.</i>	<i>smaragdina.</i>
<i>spinigera.</i>	<i>suffusa.</i>

GRAY (J. E.). List of the specimens of hemipterous insects in the collection of the British Museum. Prepared by W. S. DALLAS. Part I. 1851. London. 12mo. (189

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<i>Aceratodes discolor.</i>	<i>Agroecus luridus.</i>
<i>fulvipes.</i>	<i>Alathetis rufitarsis.</i>
<i>marginalis.</i>	<i>Antitenchus obscurus.</i>
<i>Aelia americana.</i>	<i>variegatus.</i>
<i>Aethers curvipes.</i>	<i>Apateticus (n. g.) Halys.</i>
<i>longulus.</i>	<i>Arma cornuta.</i>
<i>margo.</i>	<i>fuscescens.</i>
<i>nigerrimus.</i>	<i>grandis.</i>
<i>Agonosoma flavipes.</i>	<i>modesta.</i>
<i>Agroecus griseus.</i>	<i>nigrispina.</i>

- Arma obscura.*
pallipes.
spinos.
tincta.
ventralis.
Augocoris nigripennis.
rufus.
Bebæus (n. g.) punctipes.
Brachystethus rubromaculatus.
Canthecona grandis.
Chlorocoris rufispinus.
Corimelæna fulvipennis.
marginella.
nigra.
ruficornis.
Diceraeus (n. g.) leucostigma.
melacanthus.
Dinidor antennatus.
Discocephala nubila.
Edessa affinis.
capra.
collaris.
cornuta.
dentata.
fasciata.
inconspicua.
irrorata.
leucocera.
lurida.
maculata.
melacantha.
nigrispina.
obscura.
ovina.
pillida.
parvula.
phœnicopus.
reticulata.
scuturale.
thoracica.
triangularis.
Euschistus (n. g.) acutus.
apicalis.
Euschistus cognatus.
cornutus.
crassus.
luridus.
obscurus.
pallipes.
rubiginosus.
Eysarcoris conspiciellaris.
Mecistorhinus (n. g.) rufescens.
Mecocephala (n. g.) acuminata.
Mormidea aglæopus.
armata.
collaris.
inermis.
maculata.
prominula.
Ochlerus obscurus.
punctatus.
Oplomus festivus.
nigripennis.
pulcher.
rutilus.
violaceus.
Pachycoris castaneus.
lineolatus.
obscurus.
sticticus.
velutinus.
Pentatoma boxura.
cubrosa.
dubia.
grisea.
obsoleta.
picea.
pillipes.
proxima.
tæniola.
testacea.
Peromatus validus.
Rhaphigaster catinus.
discoideus.
discolor.
sarpinus.

Rhaphigaster sparnius.	Strachia nigrorubra.
sticticus.	rufifrons.
Sehirus albonotatus	Symphylus (n. g.) obtusus.
Stiretrus cœruleus.	pœcilus.
ornatus.	Tynacantha (n. g.) marginata.
ruficeps.	Vulsirea formosa.
Strachia concinna.	liturata.
decorata.	Zicrona marginella.
munda.	Zophoessa (n. g.) porosa.

HILL (Thomas). Notice of the habits of *Ploiaria brevipennis*.—
Proc. Amer. Assoc. Adv. Sc. IV. 1851, 347. (190)

KIRTLAND (J. P.). New species of *Libythea*.—Family Visitor.
Cleveland, Ohio. No. 76. 1851. (191)
Libythea Bachmanii.

KIRTLAND (J. P.). A new species of *Macroglossa*.—Family Visitor.
Cleveland, Ohio. No. 85. 1851. (192)
Macroglossa balteata.

LECONTE (John L.). Synopsis of the species of *Donacia* Fabr., inhabiting the United States.—Proc. Acad. Nat. Sc. Philad. V. 1851, 310. (193)

Donacia alutacea.	Donacia gentilis.
congener.	Harrisii.
dives.	pulchella.

LECONTE (John L.). Synopsis of the Lampyrides of temperate North America.—Proc. Acad. Nat. Sc. Philad. V. 1851, 331. (194)

Nov. sp.

Chauliognathus Hentzii.	Malthinus occipitalis.
Ellychnia lacustris.	niger.
minuta.	transversus.
Lucernuta punctata.	Photinus ardens.
tarda.	casta.
Malthinus concavus.	consanguinea.
difficilis.	lineella.
fragilis.	marginella.
fusculus.	obscura.

<i>Photinus punctulata.</i>	<i>Telephorus consors.</i>
<i>vittigera.</i>	<i>cruralis.</i>
<i>Photuris congener.</i>	<i>dentiger</i>
<i>divisa.</i>	<i>dichrous.</i>
<i>frontalis.</i>	<i>divisus.</i>
<i>Podabrus cavicolis.</i>	<i>excavatus.</i>
<i>comes.</i>	<i>fidelis.</i>
<i>discoideus.</i>	<i>flavipes.</i>
<i>flavicolis.</i>	<i>grandicollis.</i>
<i>frater.</i>	<i>imbecilis.</i>
<i>puncticollis.</i>	<i>impressus.</i>
<i>pruinosis.</i>	<i>lautus.</i>
<i>Polemios incisus.</i>	<i>longulus.</i>
<i>limbatus.</i>	<i>marginellus.</i>
<i>Pyrractomena angustata.</i>	<i>pusillus.</i>
<i>linearis.</i>	<i>tibialis.</i>
<i>Silis pallens.</i>	<i>tuberculatus.</i>
<i>Telephorus brevicollis.</i>	<i>undulatus.</i>
<i>cinctellus.</i>	<i>vilis.</i>
<i>collaris.</i>	

~~LECONTE (John L.). Descriptions of new species of Coleoptera, from California. Ann. Lye. Nat. Hist. N. Y. 1851, 125. (105)~~

<i>N. sp. Abreus basalis.</i>	<i>Anthicus annectens.</i>
<i>maritimus.</i>	<i>bellulus.</i>
<i>Adelina plana.</i>	<i>biguttulus.</i>
<i>Amphidora attenuata.</i>	<i>confinis.</i>
<i>nigropilosa.</i>	<i>corticalis.</i>
<i>osculans.</i>	<i>cribratus.</i>
<i>rufipes.</i>	<i>horridus.</i>
<i>Anaspis atra.</i>	<i>luteolus.</i>
<i>collaris.</i>	<i>maritimus.</i>
<i>luteipennis.</i>	<i>nanus.</i>
<i>Anepsius (n. g.) delicatulus.</i>	<i>nigritulus.</i>
<i>Anædus rotundicollis.</i>	<i>nitidulus.</i>
<i>Anisodactylus alternans.</i>	<i>obscorellus.</i>
<i>amaroides.</i>	<i>punctulatus.</i>
<i>brevicollis.</i>	<i>rufulus.</i>
<i>californicus.</i>	<i>tenuis.</i>
<i>confusus.</i>	<i>Apenes (n. g.) opaca.*</i>
<i>consobrinus.</i>	<i>Apocrypha dyschiroides.</i>
<i>similis.</i>	<i>Apristus laticollis.</i>
<i>Anthicus alutaceus.</i>	<i>Aræoschizus costipennis.</i>

- Asbolus* (n. g.) *lævis*.
 verrucosus.
Asclera *bicolor*.
 excavata.
Auchmobius (n. g.) *sublævis*.
Axinopalpus *fusciceps*.
Batulius (n. g.) *rotundicollis*.
 setosus.
Blapstinus *angustus*.
 brevicollis.
 crassus.
 dilatatus.
 longulus.
 pubescens.
 sordidus.
 sulcatus.
Bomius (n. g.) *lucidus*.
Calopus *angustus*.*
Cantharis *aneipennis*.
 chalybea.
 cyanipennis.
 lugens.
 nitidicollis.
 smaragdula.
 stygica.
 tenebrosa.
 vulnerata.
Centrioptera *muricata*.
Cerenopus (n. g.) *bicolor*.
 concolor.
 costipennis.
Chlænius *apicalis*.
 cumatilis.
 monachus.
 obscurus.
 obsoletus.
 regularis.
Cicindela *ascendens*.
 cumatilis.*
 gravida.
 hemorrhagica.
 imperfecta.
 latesignata.
Cicindela *serpens*.*
 sigmoidea.
 tortuosa.*
 tenuisignata.
Coelus *globosus*.
Cœlocnemis *magna*.
 obesa.
Conibius (n. g.) *parallelus*.
 seriatus.
Coniontis *affinis*.
 obesa.*
 ovalis.
 puncticollis.
 subpubescens.
Cononotus (n. g.) *punctatus*.
 sericans.
Craniotus (n. g.) *pubescens*.
Cryptadius (n. g.) *inflatus*.
Cymindis *punctigera*.
Cysteodemus (n. g.) *armatus*.
 Wislizeni.*
Diaphoris *tenuicollis*.
Dicheirus *parallelus*.
Ditylus *quadricollis*.
Edrotes (n. g.) *ventricosus*.
Ega *lætula*.
Eleodes *acuta*.
 acuticauda.
 armata.
 consobrina.
 depressa.
 femorata.
 laticollis.
 longicollis.
 vicina.
 subnitens.
Enaphorus (n. g.) *rufulus*.
Epantius (n. g.) *obscurus*.
Epicaonta *elegans*.
 maura.
 oblita.
 puncticollis.
Epierius *decipiens*.

<i>Epierius vicinus.</i>	<i>Pedilus punctatus.</i>
<i>Eulabis pubescens.</i>	<i>Pelecyporus angulatus.</i>
<i>Eurygenius constrictus.</i>	<i>carinatus.</i>
<i>Eurymetopon abnorme.</i>	<i>confluens.</i>
<i>atrum.</i>	<i>hirsutus.</i>
<i>convexicolle.</i>	<i>hispidulus.</i>
<i>longulum.</i>	<i>marginatus.</i>
<i>obesum.</i>	<i>muricatus.</i>
<i>Eusattus (n. g.) convexus.*</i>	<i>obsoletus.</i>
<i>difficilis.</i>	<i>parallelus.</i>
<i>dilatatus.</i>	<i>Phaleria rotundata.</i>
<i>dubius.</i>	<i>Philoteenus? nigricollis.</i>
<i>muricatus.</i>	<i>ruficollis.</i>
<i>nitidipennis.*</i>	<i>Platydemia angustum.</i>
<i>Euschides (n. g.) obovata.</i>	<i>Platynus variolatus.</i>
<i>Eustrophus indistinctus.</i>	<i>Pœcilus cursorius.</i>
<i>Formicilla (n. g.) munda.</i>	<i>subcordatus.</i>
<i>Helops rugulosus.</i>	<i>Pterostichus (n. g.) contractus.</i>
<i>Hister corticalis.</i>	<i>illustris.</i>
<i>sexstriatus.</i>	<i>Isabellæ.</i>
<i>Hololepta cacti.</i>	<i>lustrans.</i>
<i>populnea.</i>	<i>simplex.</i>
<i>vicina.</i>	<i>Saprinus alienus.</i>
<i>Lebia guttula.</i>	<i>bigemmus.</i>
<i>ruficollis.</i>	<i>cœrulescens.</i>
<i>Loricera foveata.</i>	<i>ciliatus.</i>
<i>Microschatia inæqualis.</i>	<i>discoïdalis.</i>
<i>puncticollis.</i>	<i>fimbriatus.</i>
<i>Nosoderma diabolicum.</i>	<i>insertus.</i>
<i>Notibius (n. g.) granulatus.</i>	<i>interceptus.</i>
<i>puberulus.</i>	<i>interstitialis.</i>
<i>puncticollis.</i>	<i>laridus.</i>
<i>sulcatus.</i>	<i>lubricus.</i>
<i>Nyetoporis carinata.</i>	<i>lucidulus.</i>
<i>Notoxus cavicornis.</i>	<i>lucens.</i>
<i>conformis.</i>	<i>obductus.</i>
<i>Oodes elegans.</i>	<i>obscurus.</i>
<i>Pachylopus gaudens.</i>	<i>oregonensis.</i>
<i>serrulatus.</i>	<i>pæminosus.</i>
<i>sulcifrons.</i>	<i>pectoralis.</i>
<i>Paromalus consors.</i>	<i>plenus.</i>
<i>gilensis.</i>	<i>scissus.</i>
<i>opuntiæ.</i>	<i>vestitus.</i>

Saprinus vinctus.	Triorophus (n. g.) lævis.
vitiosus.	punctatus.
Stenochia gracilis.	rugiceps.
Tanarthrus (n. g.) salinus.	Uloma marginata.
Thalpius (n. g.) pygmæus.*	Zopherus concolor.*
Tegrodera (n. g.) erosa.	pectoralis.*
Tenebrio estriatus.	tristis.
Trimytis (n. g.) pruinosa.*	

*The species marked with an asterisk are described in notes, and are mostly from Mexico or the Rocky mountains.

NEWPORT (George). On the anatomy and affinities of *Pteronarcys regalis*, Newm: with a postscript, containing descriptions of some American *Perlida*, together with notes of their habits.—Trans. Linn. Soc. Lond. XX. III. 1851, 425.

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Nov. sp.

Pteronarcys californicus.	California.
Perla citronella.	Canada.
minima.	"
Capnia vernalis.	"
Nemoura (Brachyptera) glacialis.	Canada.

TATUM (T.). Descriptions of new species of coleopterous insects.—Ann. and Mag. Nat. Hist. VIII. 1851, 49.

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Nov. sp. Amer.

Iresia smaragdina.	Brazil.
Odontocheila Degandii.	"
Tetracha viridis.	"

WESTWOOD (J. O.). Descriptions of some new species of *Athyreus*, a genus of lamellicorn beetles.—Trans. Linn. Soc. Lond. XX. 1851, 453. Tab. 22.

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Nov. sp. Amer.

Athyreus armatus, Hope.	Athyreus purpureipennis.
bellator.	Reichii.
centralis.	rotundus, Hope.
fossulatus.	subarmatus.
gigas.	tuberculatus.
pholus, Buquet.	Tweedyanus.

- WHITE (A.). Note on Hymenoptera in Arctic North America. List of insects taken by Sir John Richardson, and John Rea, Esq., in Arctic North America. — *Richardson's Arct. Search. Exped. II.* 1851. Appendix, 354. 8vo. (199)

Numerous species are recorded as being new; but specific names are not provided for.

- WHITE (A.). Descriptions of some apparently new species of Longicorn Coleoptera in the collection of the British Museum. — *Ann. and Mag. Nat. Hist.* VII. 1851, 170. (200)

Nov. sp. Amer.

Callocomus morosus. Bolivia.

Calloctenus (n. g.) *pulcher.* Venezuela.

Prionacalus atys. Peru.

cacicus. Mexico.

Pyrodes Smithianus. Mexico.

tenuicornis. “

CRUSTACEANS.

- AGASSIZ (L.). On the structure of the mouth in Crustacea. — *Proc. Amer. Assoc. Adv. Sc.* IV. 1851, 122. (201)

- DANA (James D.). On the markings of the ~~Carapax~~ of crabs. — *Amer. Journ. of Sc.* XI. 1851, 95. (202)

- DANA (James D.). On a new genus of Crustacea in the collections of the Exploring Expedition, under Capt. C. Wilkes, U. S. N. — *Amer. Journ. of Sc.* XI. 1851, 223. (203)
Nov. gen. Tetralia.

- DANA (James D.). On the classification of ~~X~~Caneroidea. — *Amer. Journ. of Sc.* XII. 1851, 121. (204)
Nov. gen.

Actaeodes.

Carupa.

Pilodius.

Actumnus.

Euxanthus.

Pseudoxius.

Araneus.

Liomera.

Quadrella.

Carpilodes.

Medaeus.

DANA (James D.). Conspectus Crustaceorum quæ in Orbis Terrarum circumnavigatione, Carolo Wilkes e Classe Reipublicae Foederatae Duce, lexit et descripsit J. D. Dana. — Proc. Acad. Nat. Sc. Philad. V. 1851, 247. (205)

Nov. sp.

CRUSTACEA GRAPSOIDEA.

<i>Acanthopus abbreviatus.</i>	<i>Helice crassa.</i>	
<i>Cardisoma hirtipes.</i>	<i>Helœcius inornatus.</i>	n.g.
obsum.	<i>Hemigrapsus affinis.</i>	n.g.
<i>Chasmagnathus granulatus.</i>	crassimanus.	
laevis.	<i>Hymenicus pubescens.</i>	n.g.
subquadratus.	Novi-Zelandiae.	
<i>Cyclograpsus cinereus.</i>	varius.	
granulatus.	<i>Macrophthalmus pacificus.</i>	
<i>Cyrtograpsus angulatus.</i>	<i>Pinnothera faba.</i>	
<i>Eucrate crassimanus.</i>	<i>Plagusia glabra.</i>	
<i>Fabia subquadrata.</i>	speciosa.	
<i>Gelasimus nitidus.</i>	<i>Planes cyaneus.</i>	
<i>Goniograpsus innotatus.</i>	<i>Pseudograpsus nudus.</i>	
simplex.	oregonensis.	
<i>Grapsus crinipes.</i>	<i>Sarmatium crassum.</i>	n.g.
longitarsis.	<i>Sesarma obesum.</i>	
planifrons.	obtusifrons.	
<i>Halicarcinus pubescens.</i>		

DANA (James D.). Conspectus Crustaceorum quæ in Orbis Terrarum circumnavigatione, Carolo Wilkes e Classe Reipublicae Foederatae Duce, lexit et descripsit J. D. Dana. — Proc. Acad. Nat. Sc. Philad. V. 1851, 267. (206)

Nov. sp.

PAGURIDAE.

<i>Bernhardus</i> (n. g.) armatus.	<i>Paguristes</i> (n. g.) hirtus.
hirsutiusculus.	longirostris.
pubescens.	<i>Pagurus aequibilus.</i>
tenuimanus.	fabimanus.
Novi-Zelandiae.	globosomanus.
<i>Calcinus</i> (n. g.)	humilis.
<i>Cenobita brunnea.</i>	scabrimanus.
carnescens.	zebra.
<i>Diogenes</i> (n. g.)	

DANA (James D.). On the classification of the Crustacea Maiioidea or Oxyrhyncha. — Amer. Journ. of Sc. XI. 1851, 425. (207)

DANA (James D.). Conspectus Crustaceorum quæ in Orbis Terrarum circumnavigatione, Carolo Wilkes e Classe Reipublicæ Foederatæ Duce, lexit et descripsit J. D. Dana. Pars VI. — Amer. Journ. of Sc. XI. 1851, 268. (208

Nov. gen. et sp.

Acanthonyx debilis.

simplex.

Ceratocarcinus speciosus.

Chlorilia (n. g.) longipes.

Cyclax (n. g.) Perryi.

Eurypodius brevipes.

septentrionalis.

Halimus tumidus.

Huenia brevirostrata.

simplex.

Hyas lyratus.

Lahainia (n. g.) ovata.

Lambrus rhombicus.

Leucippa levis.

Libidoclea coccinea.

Menaethius angustus.

areolatus.

inornatus.

Micippa hirtipes.

Oregonia (n. g.) gracilis.

hirta.

Peltinia (n. g.) scutiformis.

nodulosa.

Pericera trigona.

Perinia (n. g.) tumida.

Pugettia (n. g.) gracilis.

Richii.

Tiarinia (n. g.) angusta.

gracilis.

Scyra (n. g.) acutifrons.

DANA (James D.). On the classification of the Crustacea Grapsoidea. — Amer. Journ. of Sc. XII. 1851, 283. (209

Nov. gen.

Cyrtograpsus.

Fabia.

Goniograpsus.

Helœcius.

Hemigrapsus.

Hymenius.

Sarmatium.

WORMS.

- GIRARD (Charles). On a new generic type in the class of worms. —
 Proc. Amer. Assoc. Adv. Sc. IV. 1851, 124. (210)
Nov. sp. Phyllobranchus (n. g.) Ravenelii. South Carolina.

- GIRARD (Charles). Historical sketch of Gordiacea. — Proc. Acad.
 Nat. Sc. Philad. V. 1851, 279. (211)

- LEIDY (Joseph). Descriptions of new species of Entozoa. — Proc.
 Acad. Nat. Sc. Philad. V. 1851, 155. (212)
Nov. sp. Amer.

Ascaris felis discoloris.	Spiroptera didelphis virginianae.
Cuculanus roseus.	scalopis canadensis.
Echinorhynchus socialis.	

- LEIDY (Joseph). Contributions to Helminthology. — Proc. Acad.
 Nat. Sc. Philad. V. 1851, 205, 224, 239, 349. (213)
Nov. sp. Amer.

Ascaris entomelas.	Planaria sylvatica.
Astacobdella philadelphica.	Synplecta (n. g.) pendula.
Distomum longum.	Taenia pulchella.
Echinorhynchus emydis.	
lateralis.	Acestus (n. g.) hyalinus.
Thelastoma brevicaudatum.	spiralis.
	Anguillula fossularis.
Bdelloura (n. g.) parasitica.	Dero limosa.
rustica.	Planaria fuliginosa.
Cuculanus trispinosus.	maculata.
Meckelia lactea.	truncata.
rosea.	
Myzobdella (n. g.) lugubris.	Eustomum (n. g.) pennsylvanicum.

- LEIDY (Joseph). On the organization of the genus *Gregarina* of
 Dufour. — Trans. Amer. Philos. Soc. 2d ser. X. 1851, 233.
 Pl. x. and xi. (214)

Gregarina achetae abbreviatae.	Gregarina Locustae carolinae.
Blattae orientalis.	Passali cornuti.
Juli marginati.	Polydesmi virginienensis.
Juli pusilli.	Scarabei relictii.

LEIDY (Joseph). Some observations on *Nematoidea imperfecta*, and descriptions of three Parasitic Infusoria. — Trans. Amer. Philos. Soc. 2d Sec. X. 1851, 241. (fig.). (215)

Nematoideum cavitatis abdominis Passali cornuti.

thoracis cavitatis Passali cornuti.

intestinorum Armadillonis pillularis.

integumenti Lumbriculi limosi.

LEIDY (Joseph). Corrections and additions to former papers on Helminthology, published in the Proceedings of the Academy. — Proc. Acad. Nat. Sc. Philad. V. 1851, 284. (216)

Acestus = *Lumbriculus*, Grube.

Anelcodiscus (n. g.) *pellucidus*.

Catesthia (n. g.) *stellato-maculata*.*

Chaetodemus (n. g.) *panduratus*.

Gregarina *scarabaei-relicti*.

Rhynchodesmus (n. g.) *sylvaticus*. = *Planaria sylvatica*, Leidy.

terrestris. = *Fasciola terrestris*, Mull. (*Planaria terrestris*, Dug.).

Stylaria *fossularis*.

* = *Hydrolimax grisea*, Hald.

POURTALES (L. F.). On the *Gephyrea* of the Atlantic coast of the United States. — Proc. Amer. Assoc. Adv. Sc. V. 1851, 39. (217)

Nov. sp. *Sipunculus corallicolus*. Florida.

Gouldii. Massachusetts.

granulatus. Florida.

WYMAN (Jeffries). Some facts relating to the development of *Distomata*. — Proc. Bost. Soc. Nat. Hist. IV. 1851, 65. (218)

LEIDY (J.). On Gordiacea. V. 1851, 262, 266, 275. (219)

Nov. sp. *Gordius lineatus*. New York.

varius. United States.

Mermis crassicaudata. Philadelphia.

elongata. New Jersey.

Gordius robustus. New Jersey.

Mermis ferruginea. Brazil.

MOLLUSKS.

- ADAMS (A.). Descriptions of new species of *Cumingia*.—(Proc. Zool. Soc. Lond.)—Ann. and Mag. Nat. Hist. VII. 1851, 147. (220)

Nov. sp. Amer.

Cumingia antillarum. West Indies.

clerii. Chili.

fragilis. Guadaloupe.

similis. N. W. American coast.

sinuosa. West Indies.

striata. Conception.

- ADAMS (A.). Monographs of *Cyclostrema*, Marryatt, and *Separatista*, Gray.—(Proc. Zool. Soc. Lond.)—Ann. and Mag. Nat. Hist. VII. 1851, 226. (221)

Nov. sp. Amer. *Cyclostrema cobijensis*. Peru.

- ADAMS (C. B.). Descriptions of new species of *Partula* and *Achatinella*.—Ann. Lyc. Nat. Hist. N. York. V. 1851, 41. (222)

Nov. sp.

Achatinella decepta.

Dimondi.

magna.

modesta.

Reevei=(*A viridans*, Reeve).

Tappaniana.

Partula diminuta.

- ADAMS (C. B.). Note on the genus *Stoastoma*.—Ann. Lyc. Nat. Hist. New York. V. 1851, 64. (223)

Nov. sp.

Stoastoma Wilkinsoniae.

Stoastoma Moricandianum.

Tappanianum.

Petitianum.

Hollandianum.

Anthonianum.

- ADAMS (C. B.). On the nature and origin of the species of terrestrial mollusca in the island of Jamaica; with a notice of a reversed *Cyclostoma*.—Proc. Amer. Assoc. Adv. Sc. IV. 1851, 29. (224)

ADAMS (C. B.). Descriptions of new species and varieties of shells, which inhabit Jamaica. — Ann. Lyc. Nat. Hist. New York. V. 1851, 45. (225)

Nov. sp.

Ancylus obliquus.	Helicina microstoma.
Buccinum pulchellum.	nobilis.
Cyclostoma lamellosum.	Marginella gracilis.
sagittiferum.	Planorbis humilis.
simulans.	Truncatella modesta.
Helicina consanguinea.	Valvata inconspicua.
hirsuta.	

ADAMS (C. B.). Descriptions of new species and varieties of the land shells of Jamaica, with notes on some previously described species. — Ann. Lyc. Nat. Hist. New York. V. 1851, 77. (226)

Nov. sp.

Achatina proxima.	Cylindrella princeps.
solitarea.	Robertsi.
Bulimus hortensis.	zonati.
macrospira.	Geomelania Hilliana.
Cyclostoma Campbellii.	pyramidata.
Chevalieri.	Helix Buddiana.
dubiosum.	consanguinea.
Moussonianum.	jacobensis.
mutatum.	pulchrior.
perpallidum.	spreti.
sericinum.	Swainsoniana.
Tappanianum.	Spirazis brevis.
Yallahense.	Stoastoma Agassizianum.
Cylindrella elatior.	Philippianum.

ADAMS (C. B.). Descriptions of new fresh-water shells which inhabit Jamaica. — Ann. Lyc. Nat. Hist. New York. V. 1851, 98. (227)

Nov. sp.

Physa Jamaciensis.	Neritina tenebricosa.
Neritina Jamaciensis.	

ADAMS (C. B.). Catalogue of the land shells which inhabit Jamaica. April, 1851. 8vo. (228)

- ADAMS (C. B.). Analysis of the group of species of *Cyclostomata*, which is represented by *C. Jamaicense*, Chem. — Ann. Lyc. Nat. Hist. New York. V. 1851, 56. (229)
- ADAMS (C. B.). On the value of the shells of mollusca for the purpose of distinguishing species and higher groups. — Proc. Amer. Assoc. Adv. Sc. IV. 1851, 180. (230)
- ADAMS (C. B.). Contributions to conchology. No. 1–12. 1849–1852. 8vo. (231)
- ADAMS (C. B.) and CHITTY (E.). Remarks on the habits of certain species of land shells. — Ann. Lyc. Nat. Hist. New York. V. 1851, 100. (232)
- BINNEY (Amos). The terrestrial air-breathing molluscs of the United States, and the adjacent territories of North America. Boston, 1851. 3 vols. 8vo. (1 vol. of plates). (233)
- FORBES (Ed.). On the mollusca collected during the surveying voyages of the Herald and Pandora. — (Proc. Zool. Soc. Lond.) — Ann. and Mag. Nat. Hist. VII. 1851, 333. (234)
- Nov. sp.*
Helix pandorae. North West America.
Kellettii. North West America.
vellicata. Panama.
Bulimus fimbriatus. Panama.
Succinea cingulata. Mazatlan.
Cyclostoma purum.
- GIRARD (Carl). Die Planarien und Nemertinen Nord-Amerika's. — Keller und Tiedemann's Nord-Amer. Monatsb. für Natur. u. Heilk. II. 1851, 1. (235)
- Nov. sp.*
Meckelia fragilis. Massachusetts.
Polia gracilis. "
Tetrastemma serpentina. "
Dugesia maculata = (*Planaria maculata*, Leidy.)
Monocelis spatulicauda. Boston.

GIRARD (Charles). Essay on the classification of Nemertes and Planaria; preceded by some general considerations on the primary divisions of the animal kingdom. — Amer. Journ. of Sc. XI. 1851, 41. — edit. emendat. in Proc. Amer. Assoc. Adv. Sc. IV. 1851, 258. (236)

GOULD (A. A.). Descriptions of a number of California shells collected by Maj. William Rich and Lieut. Thomas P. Green, U. S. N. — Proc. Bost. Soc. Nat. Hist. IV. 1851, 87. (237)

Nov. sp.

Amphidesma flavescens.	Lutraria undulata.
Anodon ciconia.	ventricosa.
Arthemis saccata.	Macra mendica.
Avicula sterna.	nasuta.
Cardium luteolabrum.	Mytilus glomeratus.
Donax obesus.	Petricola bulbosa.
Lima tetrica.	Pholus ovidea.
Lithodomus falcatus.	Strigella fucata.
Lucina orbella.	Tellina miniata.

KURTZ (J. D.) and STIMPSON (W.). Descriptions of several new species of shells from the Southern coast. — Proc. Bost. Soc. Nat. Hist. IV. 1851, 114. (238)

<i>Nov. sp.</i> Chemnitzia spirata.	Mangelia rubella.
Eulima conoidea.	Rissoa pupoidea.
oleacea.	Pleurotoma cerinum.

LEIDY (Joseph). On some American fresh water *Polyzoa*. — Proc. Acad. Nat. Sc. Philad. V. 1851, 320. (239)

Nov. sp.

Pectinatella (n. g.) magnifica.	Paludicella elongata.
(<i>crisalla magnifica</i> .)	Urnatella (n. g.) gracilis.
Plumatella nitida.	

MORELET (Arthur). Testacea novissima insulæ Cubanæ et Americæ centralis. Pars I. 1850. Pars II. 1851. Paris. 8vo. (240)

Nov. sp.

Achatina cylindrella.	Ancylus radiatilis.
linifera.	Anodon bambousearum.
Ampullaria cubensis.	lurulentus.
Ancylus excentricus.	Bulimus cucullus.

- Bulimus inermis.*
 lirinus.
 petenensis.
 scalariopsis.
 semistriatus.
 simulus.
 Sisalensis.
 sulciferus.
 tropicalis.
Cerithium salmacidum.
Cyclas maculata.
Cyclostoma acerbulum.
 disjunctum.
 majusculum.
 petricosum.
 pupoides.
 radiosum.
 rigidulum.
 palebrosum.
 semicanum.
 sericatum.
 simulacrum.
 tenebrosum.
 vespertinum.
Cylindrella aculeus.
 concosa.
 costulata.
 fistularis.
 Morini.
 pruinosa.
 subtilis.
 tomacella.
 torquata.
 volubilis.
Cyrena salmacida.
Cyrenoides americanus.
Glandina aurata.
 carminensis.
 delibuta.
 episcopalia.
 follicularis.
 labida.
 ligulata.
Glandina meridana.
 oliva.
 onychina.
 paragramma.
 rubella.
 semistriata.
 sicilis.
 ventricosula.
Helicina arenicola.
 coccinostoma.
 constellata.
 fragilis.
 microdina.
 pannucea.
Helicina purpureoflava.
 regina.
 rostrata.
 rusticella.
 scopulorum.
 silacea.
 straminea.
 trossula.
 vernalis.
Helix conspurcatella.
 cymbalum.
 fulvoidea.
 minutalis.
 morbida.
 naevula.
 nitidopsis.
 oppilata.
 paucilirata.
 pressula.
 punctum.
 raripila.
 sigmoides.
 sulphurosa.
 tephritis.
 trochulina.
 turbinella.
 yucatanæa.
Melania cinerea.
 corvina.

<i>Melania exigua.</i>	<i>Planorbis obstructus.</i>
<i>glaphyra.</i>	<i>orbiculus.</i>
<i>graphium.</i>	<i>peteneusis.</i>
<i>immanis.</i>	<i>retusus.</i>
<i>indiorum.</i>	<i>stagnicola.</i>
<i>lacustris.</i>	<i>taeniatus.</i>
<i>opiparis.</i>	Pupa <i>leucodon.</i>
<i>panucula.</i>	<i>Succinea guatemalensis.</i>
<i>pyramidalis.</i>	<i>hortulana.</i>
<i>ruginosa.</i>	<i>recisa.</i>
<i>Neritina gravis.</i>	<i>Unio aeruginosus.</i>
<i>turbida.</i>	<i>calamitarum.</i>
<i>Paludina cisternicola.</i>	<i>crocodilorum.</i>
<i>hyalina.</i>	<i>delphinulus.</i>
<i>ornata.</i>	<i>digitatus.</i>
<i>petenensis.</i>	<i>explicatus.</i>
<i>rhegoides.</i>	<i>Morini.</i>
<i>Physa cisternina.</i>	<i>ostreatus.</i>
<i>fuliginea.</i>	<i>paludosus.</i>
<i>impluviata.</i>	<i>planivalvis.</i>
<i>nicaraguana.</i>	<i>psoricus.</i>
<i>spiculata.</i>	<i>ravistellus.</i>
<i>squalida.</i>	<i>scamnatus.</i>
<i>Planorbis aeruginosus.</i>	<i>scutulatus.</i>
<i>cannarum.</i>	<i>spheniopsis.</i>
<i>dentiens.</i>	<i>testudineus.</i>
<i>Maya.</i>	<i>Valvata guatemalensis.</i>
<i>nicaraguanus.</i>	

NEWBERRY (J. S.). Geographical distribution of certain species of fluviatile and terrestrial shells.—Proc. Amer. Assoc. Adv. Sc. V. 1851, 105. (251)

REDFIELD (John W.). Catalogue of the *Marginellidae* in his collection. New York. 1851. 8vo. (252)

STIMPSON (W.). Descriptions of several new species of shells from the northern coast of New England.—Proc. Bost. Soc. Nat. Hist. IV. 1851, 113. (253)

<i>Chemnitzia dealbata.</i>	<i>Leda obesa.</i>
<i>nivea.</i>	<i>Teredo dilatata.</i>
<i>Columbella dissimilis.</i>	

STIMPSON (W.). Some observations on the identity of *Nucula navicularis* and *N. thraciæformis*.—Proc. Bost. Soc. Nat. Hist. IV. 1851, 26. (244)

STIMPSON (W.). Notices of several species of mollusca from Massachusetts Bay.—Proc. Bost. Soc. Nat. Hist. IV. 1851, 12. (245)

Nov. sp.

Chemnitzia modesta.

Rissoa pelagica.

Rissoa eburnea.

Turritella acicula.

exarata.

areolata.

multilineata.

STIMPSON (W.). Summary of observations on the fauna of the Bay of Fundy.—Proc. Bost. Soc. Nat. Hist. IV. 1851, 95. (246)

STIMPSON (W.). Shells of New England: a revision of the Synonymy of the testaceous molluscs of New England; with notes on their structure, and their geographical and bathymetrical distribution. With figures of new species. Boston. 1851. 8vo. Plates I. and II. (247)

Nov. sp.

Columbella Gouldiana, Ag. Mss. *Cyclas pellucida*, Prime.

STIMPSON (W.). A monograph of the genus *Cœcum* in the United States.—Proc. Bost. Soc. Nat. Hist. IV. 1851, 112. (248)

Nov. sp.

Cœcum floridanum.

Cœcum pulchellum.

nitidum.

A. *In the Proceedings of the Academy of Natural Sciences of Philadelphia.*

LEA (Isaac). On the genus *Acostæa*, of D'Orbigny. V. 1851, 277. (249)

LEIDY (Joseph). On *Plumatella*. V. 1851, 261;—on *Cristatella*. V. 1851, 265. (250)

Nov. sp.

Plumatella diffusa.

Cristatella magnifica.

PRIME (Temple). A new species of *Pisidium*. IV. 1851, 67. (241
Nov. sp. *Pisidium ventricosum*.

STIMPSON (W.). On two new shells from Massachusetts Bay. IV.
 1851, 7. (242
Nov. sp. *Spiriales Gouldii*. *Thracia Couthouyi*.

STIMPSON (W.). Remarks on an Ascidian, found in Massachusetts
 Bay. IV. 1851, 49. (243
Nov. sp. *Pelonaia arenifera*.

RADIATES.

AYRES (W. O.). Observations upon the *Holothuridæ* of the Atlan-
 tic coast of North America. — Proc. Bost. Soc. Nat. Hist
 IV. 1851, 5, 11, 25, 35, 46, 52, 60, 63, 69, 73, 102. (254
Nov. sp. *Botryodactyla* (n. g.) *grandis*, 52, 73.
Psolus laevigatus, 25.
granulatus, 63.
Sclerodactyla (n. g.) *briareus*, 5, 102.
Stereoderma (n. g.) *unisemita*, 46.
Synapta tenuis, 11.*
Thyonidium elongatum, 60.
musculosum, 169.
 * = *Synapta Girardii*, Pourt.

POURTALES (L. F.). On the *Holothuridæ* of the Atlantic coast of
 the United States. — Proc. Amer. Assoc. Adv. Sc. V. 1851,
 8. (255

Nov. sp. *Anaperus briareus*. *Holothuria floridana*.
 (*Holothuria briareus*, Les.) *Synapta Girardii*.†
Chirodota ocellitica. *rotifera*.
Colochirus gemmatus. *viridis*.‡

† = *Synapta tenuis*, Ayres.

‡ The name *viridis* having been applied by Lesueur to a
 species of *Holothuria*, the author proposes to call the present
 one *S. Bachei*, since Lesueur's *H. viridis* will no doubt prove
 to be a true *Synapta*.

A. *In Proceedings of the Boston Society of Natural History.*

AYRES (W. O.). On a new genus and species of star-fish. IV, 118.
(256

Nov. sp. Stephanaster (n. g.) elegans. New Zealand.

STIMPSON (W.). On *Holothuridæ*, and new species. IV, 1851, 8,
67. (257

Nov. sp. Anaperus unisemita.* Grand Bank and New England
Pentacta calcigera. Massachusetts Bay.

*=*Stereoderma unisemita*, Ayres.

ZOOLOGICAL AND BOTANICAL MICROSCOPY.

BAILEY (J. W.). Microscopical examination of soundings made by the U. S. Coast Survey off the Atlantic coast of the United States. Pl. I.—Smiths. Contr. to Knowl. II. 1851. (258

Nov. sp. Pinnularia sp. Triceratium alternans.
Periptera sp. Denticella? dubia.

BAILEY (J. W.). Microscopical observations made in South Carolina, Georgia and Florida. Pl. I.—III.—Smiths. Contr. to Knowl. II. 1851. (259

Nov. sp. DESMIDIAE.

Cosmarium depressum.
Didymocladon? cerberus.
longispinum.
Docidium hirsutum.
undulatum.
Micrasterias arcuata.
expansa.
quadrata.
ringens.

Sphaerozosma serratum.

Triploceras (n. g.) verticillatum.

(*Docidium verticillatum*, Ralfs).

INFUSORIA.

Diffugia spiralis.
Melicerta nuda.
Peridinium carolinianum.
Philodina pannosa.
Rotifer vestitus.
Pterodina magna.

DIATOMACEAE.

Achnanthes arenicola.
Amphiprora ornata.
pulchra.
quatrifasciata.
Amphora amphyoxys.
Campylodiscus argus.
Cerataulus turgidus.
Diatoma stellaris.
Eupodiscus radiatus.
Pinnularia Couperi.
permagna.
Pyxidicula? compressa.
Stauroneis maculata.
Surirella circumstanta.
Triceratium alternans.
Zygoceras (Denticella?)
mobiliensis.

ALGAE.

Aporea ambigua.

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BOTANY.

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<i>Nov. sp.</i> Agaricus (Pleuropus) lagotus.	Polyporus brunneolus.
(Flammula) craesus.	lituarius.
Favulus platyporus.	Thelephora lamellata.
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<i>Nov. sp.</i> <i>Gilia spicata.</i>	<i>Myosotis tenella</i> , Nutt.
<i>iberidifolia.</i>	<i>Coldenia?</i> <i>Nuttallii.</i>
<i>trifida.</i>	<i>Orobanche pinorum</i> , Geyer.
<i>Eutoca glandulosa</i> , Nutt.	

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Nov. sp. *Cathedra rubricaulis.* Brazil.
 Gardneriana. “

MONTAGNE (C.). *Cryptogamia Guyanensis, seu plantarum cellularium in Guyana gallica annis 1835—1849 a Cl. Leprieur collectarum enumeratio universalis.* — *Ann. Sc. Nat.* 3d Sér. XIV. 1850, 282; XVI. 1851, 47. Pl. XVI. (282)

<i>Ascidium rhodostroma.</i>	<i>Ozocladium</i> (n. g.) <i>Leprieurii.</i>
<i>Biatora microscopica.</i>	<i>Pyrenastrum fuscum.</i>
<i>prolifera.</i>	<i>Sagedia granulata.</i>
<i>tricholoma.</i>	<i>Sclerophyton colliculosum.</i>
<i>Chiodecton nigrocinctum.</i>	<i>Sporopodium</i> (n. g.) <i>Leprieurii.</i>
<i>Fissurina Dabingtoni.</i>	<i>Thelotrema depressum.</i>
<i>Graphis rufula.</i>	<i>Verrucaria</i> (<i>Pyrenula</i>) <i>infernalis.</i>
<i>Lecidea Leprieurii.</i>	<i>micromma.</i>
<i>Lepra rhodocroa.</i>	<i>praelucida.</i>
<i>Lichina microcarpa.</i>	<i>trypetheliiformis.</i>
<i>Opegrapha depressa.</i>	
<i>Actinoglyphis Leprieurii.</i>	
(<i>Glyphis heteroclita</i> , Montag.)	

NAUDIN (Carolo). *Melastomacearum quæ in museo Parisiensi monographiæ descriptionis et secundum affinitates distributionis tentamen.* — *Ann. Sc. Nat.* 3d Sér. XV. 1851, 43, 276; XVI, 1851, 83 (cum fig.). (283)

<i>Bellucia brasiliensis.</i>	<i>Bellucia Hostmannii.</i>
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- Bellucia pentamera.*
superba.
Calygonium heterophyllum.
Lindenianum.
rhamnoideum.
Cambessedesia terminalis.
Weddellii.
Chalybea corymbifera.
Conostegia Galeottii.
macrophylla.
pulverulenta.
rufescens.
speciosa.
Diolena hygrophila.
Marcetia andicola.
canescens.
denudata.
latifolia.
Miconia acalephoides.
abortiva.
adenophora.
aegrotans.
aeruginosa.
agyna.
alborufescens.
alypifolia.
amblyandra.
amplexicaulis.
amygdalina.
anceps.
arbutifolia.
axilliflora.
bifrons.
Blanchetiana.
brachystyla.
bracteolaris.
buxifolia.
castaneæflora.
cecidophora.
centrodesma.
centrophora.
cernua.
chaetodon.
Miconia chrysopetala.
Claussenii.
compressa.
conostegioides.
cremophila.
crinita.
cristulata.
cuspidata.
cyanocarpa.
dolichopoda.
dolichorrhyncha.
elæoides.
erythraea.
fragilis.
Goudotii.
haplobotrya.
hematotemon.
hemenostigma.
heteromera.
hexaptera.
hygrophila.
hyperprasina.
ignaria, Bonplined.
inaperta.
Kapplerii.
lauriformis.
Lindenii.
lonchophylla.
lucida.
macrostoma.
Matthaei.
melanodendron.
melinonis.
miocarpa.
molybdea.
multispicata.
myriocarpa.
myrtillifolia.
myura.
nemoralis.
novemnervia.
obovalis.
orcheotoma.

Miconia otodesma.	Miconia terera.
pauciglandulosa.	tetrastoma.
paulensis.	tiliæfolia.
pavouiana.	tinifolia.
Pentlandii.	titanea.
phærotricha.	tococoides.
pinetorum.	triseriata.
planinervia.	ulmarioides.
plebeia.	umbrifera.
plethorica.	uvifera.
psychrophila.	Valtherii.
pustulata.	vernycosa.
pyrifolia.	versicolor.
quadrifolia.	vulcanica.
resima.	Weddellii.
rhamnoidea.	Microphysa quadrialata.
Riedelii.	Myriasporea decipiens.
rimalis.	Pyramia striatella.
ringens.	Sarcomeris coriacea.
Rivoeriae.	Sphærogyne latifolia.
Ruizii.	Tetrazygia laxifolia.
sancti-Philippi.	Tococa cardiophylla.
sessilifolia.	castrata.
smaragdina.	didymophysca.
spennerostachya.	egensis.
spinulosa.	latifolia.
stellifera.	macroptera.
stictophylla.	occidentalis.
stipularis.	orcheophora.
strangulata.	stephanotricha.
tentaculifera.	Weddellii.
	Urodesmium huberioides.
- Bellucia Aubletii.
 (*Apatitia Blakeoides*, Dev.)
- Bertolonia ænea.
 (*Eriocnema? ænea*, Ndn.)
- marmorata.
 (*Eriocnema marmorata*, Ndn.)
- Conostegia superba.
 (*Melastoma superba*, Bonpl.)
- Marcetia carinata.
 (*Chætostoma tetrastichum*, DC.)

Miconia andina.

(*Chiloporus andinus*, Ndn.)

aspergillaris.

(*Cremanium aspergillare*, DC.)

berbiceana.

(*Clidemia berbiceana*, DC.)

Chamissois.

(*Oxymers calyptrata*, Cham.)

cinnamomifolia.

(*Cremanium cinnamomifolium*, DC.)

cornifolia.

(*Conostegia cornifolia*, DC.)

denticulata.

(*Melastoma denticulata*, Bonpl.)

dipsacea.

(*Melastoma amplexicaulis*, Pavon.)

favosa.

(*Melastoma favosum*, DC.)

Fothergilla.

(*Diplochita Fothergilla* et *D. Swartziana*, DC.)

globulifera.

(*Melastoma globuliferum*, Schlecht.)

granulosa.

(*Melastoma granulosa*, Bonpl.)

hispidissima.

(*Cremanium hispidissimum*, DC.)

lacera.

(*Clidemia lacera*, DC.)

latecrenata.

(*Cremanium latecrenatum*? DC.)

ledifolia.

(*Cremanium ledifolium*, DC.)

ligustroides.

(*Cremanium ligustroides*, DC.)

microbotrya.

(*Melastoma polygama*, Bonpl.)

milleflora.

(*Cremanium milleflorum*, DC.)

mucronata.

(*Diplochita mucronata*, DC.)

Olfersiana.

(*Jucunda Olfersiana*, Cham.)

ossæiformis.

(*Ossæa purpurascens*, DC.)

*Miconia papillosa.**(Melastoma quitensis, Benth.)**pusilliflora.**(Cremanium pusilliflorum, DC.)**quadrangularis.**(Cremanium quadrangulare, DC.)**reclinata.**(Cremanium reclinatum, DC.)**rhytidophylla.**(Clidemia desmanthe, Benth.)**rotundifolia.**(Cremanium rotundifolium, Don.)**rubens.**(Cremanium rubens, DC.)**salicifolia.**(Melastoma salicifolia, Bonpl.)**Sellowiana.**(Cremanium Sellowianum, Cham.)**semicrenata.**(Conostegia semicrenata, DC.)**serrulata.**(Diplochita serrulata, DC.)**Soltmanniana.**(Soltmanniana splendens, Herb. Berol.)**stenobotrys.**(Chænopleura stenobotrys, DC.)**tinctoria.**(Cremanium tinctorium, DC.)**vaccinioides.**(Cremanium vaccinioides, DC.)**Miconiastrum Lambertianum.**(Melastoma Lambertiana, Bonpl.)*

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*Carpenteria (n. g.).**Fremontia (n. g.) californica.**Coleogyne (n. g.).**Hymenoclea monogyra.**Darlingtonia (n. g.) rediviva.**Sarcodes (n. g.) sanguinea.**Emplectocladus (n. g.) fasciculatus. Spraguea (n. g.).*

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Stilaginella amazonica.

Stilaginella ferruginea.

Benthami.

laxifolia.

Blanchetiana.

oblonga.

clusioides.

scabrida.

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- EMMONS (E.). Report of Professor Emmons on his geological survey of North Carolina. Raleigh, 1852. 8vo. (99)
- FARRINGTON (A. C.). Fault in a metallic vein, as seen at Sterling Mine, New Jersey.—Proc. Amer. Assoc. Adv. Sc. VI. 1852, 296. (100)
- FOSTER (J. W.) and WHITNEY (J. D.). Report on the geology of the Lake Superior land district. Part II. The iron region, together with the general geology. Washington, 1851. 8vo. (One vol. of maps). (101)

- HALL (James). Comparison of the geological features of Tennessee with those of the State of New York.—*Proc. Amer. Assoc. Adv. Sc. VI. 1852, 256.* (102)
- HALL (James). Lower silurian system.—Chapter IX, in *Foster and Whitney's Rep. Geol. Lake Sup. Part II. 1851, 140—151.* (103)
- HALL (James). Upper silurian and devonian series.—Chapter X, in *Foster and Whitney's Rep. Geol. Lake Sup. Part II. 1851, 152—166.* (104)
- HALL (James). Parallelism of the Palæozoic deposits of the United States and Europe.—Chapter XVIII, in *Foster and Whitney's Rep. Geol. Lake Sup. Part II. 1851, 285—318.* (97)
- HAUSLAB (. . .). Researches on the origin of the present state of the terrestrial globe, or its crystal-like cleavage. (*Bull. Soc. Geol. Fr. 1851, 178*).—*Amer. Journ. Sc. 2d Ser. XIII. 1852, 268.* (105)
- HENWOOD (William Jory). Abstract of a memoir on the metaliferous (gold) deposits of Brazil.—*Edinb. New Philos. Journ. L. 1851, 61.* (86)
- HITCHCOCK (Edward). On terraces and ancient sea beaches, especially those on the Connecticut river, and its tributaries in New England.—*Rep. Brit. Assoc. Adv. Sc. for 1850. London, 1851, 87.* (108)
- HITCHCOCK (Edward). On the erosions of the earth's surface, especially by rivers.—*Rep. Brit. Assoc. Adv. Sc. for 1850. London, 1851, 85.* (109)
- HITCHCOCK (Edward). On the geological age of the clay slate of the Connecticut valley, in Massachusetts and Vermont.—*Proc. Amer. Assoc. Adv. Sc. VI. 1852, 299.* (106)
- HITCHCOCK (Edward). On the terraces and sea beaches that have been formed since the drift period, especially those along the Connecticut river.—*Proc. Amer. Assoc. Adv. Sc. VI. 1852, 264.* (107)

- HITCHCOCK (Edward). Description of a slide on Mount Lafayette, at Franconia, New Hampshire.—*Amer. Journ. Sc. 2d Ser. XIV. 1852, 73.* (110)
- HORSFORD (Ebenezer N.). Solidification of the rocks of the Florida reefs, and the sources of lime in the growth of corals.—*Amer. Journ. Sc. 2d Ser. XIV. 1852, 245.* (111)
- HOUGH (Franklin B.). On the existence of diluvial agencies during the earlier geological periods.—*Proc. Amer. Assoc. Adv. Sc. VI. 1852, 262.* (113)
- HUNT (T. S.). Remarks on the Lithological and Palæontological characters of the Postdam sandstone.—*Proc. Amer. Assoc. Adv. Sc. VI. 1852, 271.* (114)
- JACKSON (C. T.) and PERCIVAL (J. G.). Reports on the Albert coal mines. With a microscopic examination by Dr. John Bacon, and chemical examinations by Dr. A. A. Hayes, J. R. Chilton, Dr. Ure of London, Dr. John Torrey, Prof. James C. Booth, and others.—*Amer. Journ. Sc. 2d Ser. XIII. 1852, 276.* 115
- LESQUEREUX (Leo). On the coal bed of Zanesville.—*Proc. Bost. Soc. Nat. Hist. IV. 1852, 175.* (116)
- LOGAN (W. E.). On the age of the copper-bearing rocks of Lake Superior and Huron, and various facts relating to the physical structure of Canada.—*Rep. Brit. Assoc. Adv. Sc. for 1851. London, 1852, 59.* (117)
- LOGAN (W. E.) and SALTER (J. W.). On the rocks of Canada.
1. On the age of the copper-bearing rocks of Lake Superior and Huron, and various facts relating to the physical structure of Canada. By W. E. LOGAN. 2. Note on the fossils above mentioned, from the Ottawa river. By J. W. SALTER.—*Amer. Journ. Sc. 2d Ser. XIV. 1852, 229.* (118)
- NORWOOD (Joseph G.). Geological report of a survey of portions of Wisconsin and Minnesota, made during the years 1847, '48, '49, and '50, under the direction of *David Dale Owen.*—*Owen's Rep. 1852, 209.* (120)

- OWEN (David Dale). Report of a geological survey of Wisconsin, Iowa, and Minnesota; and incidentally of a portion of Nebraska Territory. Made under instructions from the United States Treasury Department. Philadelphia, 1852. 4to. (With an Atlas). (121)
- PIDDINGTON (Henry). Examination and analysis of the Ball coal of the Burdwan Mines.—*Amer. Journ. Sc. 2d Ser. XIII.* 1852, 118. (122)
- SHUMARD (B. F.). Geological report of local detailed observations in the valleys of the Minnesota, Mississippi, and Wisconsin rivers, made in the years 1848 and 1849, under the direction of *David Dale Owen*.—*Owen's Rep.* 1852, 477. (123)
- SILLIMAN (B.). On the tertiary strata of Belgium and French Flanders; by *Sir Charles Lyell*. (*Quart. Journ. Geol. Soc. L. VIII.* 1852, 277).—*Amer. Journ. Sc. 2d Ser. XIV.* 1852, 245. (124)
- SILLIMAN (B.). Gold in Australia.—*Amer. Journ. Sc. 2d Ser. XIII.* 1852, 118. (125)
- SILLIMAN (B.). The quader-formation of Germany.—*Amer. Journ. Sc. 2d Ser. XIV.* 1852, 424. (126)
- SILLIMAN (B.). Eruption from the summit of Mauna Loa, Hawaii.—*Amer. Journ. Sc. 2d. Ser. XIV.* 1852, 105. (127)
- SILLIMAN (B.) jr. An excursion on Etna.—*Amer. Journ. Sc. 2d. Ser. XIII.* 1852, 178. (128)
- SILLIMAN (B.) jr. Geological notes.—*Edinb. New Philos. Journ. LII.* 1852, 1. (129)
- SMITH (J. Lawrence). On some of the thermal waters of Asia Minor; with an account of the nature of their locality and composition.—*Proc. Amer. Assoc. Adv. Sc. VI.* 1852, 260. (130)
- SMITH (J. Lawrence). On the geology and general character of the Meerschaum in the plains of Eski-Shehr (Asia Minor).—*Proc. Amer. Assoc. Adv. Sc. VI.* 1852, 270. (131)

- SMITH (J. Lawrence). On the geology of Emery and Corundum.—
Proc. Amer. Assoc. Adv. Sc. VI. 1852, 274. (132)
- TAYLOR (Richard). Substance of notes made during a geological
reconnaissance in the auriferous porphyry region next the
Caribbean Sea, in the Province of Veraguas and Isthmus
of Panama.—Journ. Acad. Nat. Sc. Philad. New Ser. II.
1852, 81. Pl. X. (133)
- TAYLOR (Richard). On a vein of asphaltum at Hillsborough, in
Albert County, Province of New Brunswick.—Proc. Amer.
Philos. Soc. 1851, 241. (189)
- TESCHEMACHER (J. E.). On the resinous nature of the coal.—
Amer. Journ. Sc. 2d Ser. XIV. 1852, 70. (134)
- SCHMIDTL (. . .). Caves of Adelsberg, Magdalena, and Planira in
the Tyrol. (Bull. Soc. Geol. Fr. 1851, 158).—Amer.
Journ. Sc. 2d Ser. XIII. 1852, 267. (135)
- WELLS (D. A.). On the origin of stratification.—Proc. Amer.
Assoc. Adv. Sc. VI. 1852, 297. (136)
- WHITTLESEY (Charles). Geological report on that portion of Wis-
consin bordering on the south shore of Lake Superior.
Surveyed in the year 1849, under the direction of *David*
Dale Owen.—*Owen's Rep.* 1852, 421. (137)
- Notice of an earthquake at Carthage, New Grenada.
—Quart. Journ. Geol. Soc. L. VII. 1851, 238. (139)
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- AGASSIZ (L.). Geological position of the coal of Marsfield, Massa-
chusetts.—Proc. Amer. Acad. II. 1852, 270. (140)
- DESOR (E.). On the drift period.—Proc. Bost. Soc. Nat. Hist. IV.
1852, 180. (141)
- DESOR (E.). Remarks on fossil rain-drops.—Proc. Bost. Soc. Nat.
Hist. IV. 1852, 131 and 132. (142)
- JACKSON (C. T.). On the drift.—Proc. Bost. Soc. Nat. Hist. IV.
1852, 181. (143)

- JACKSON (C. T.). On fossil rain-drops.—Proc. Bost. Soc. Nat. Hist. IV. 1852, 131. (144)
- OWEN (D. D.). On Fusulina limestone.—Proc. Acad. Nat. Sc. Philad. VI. 1852, 118. (145)
- OWEN (D. D.). Remarks on the geological map of Wisconsin, Iowa, and Minnesota.—Proc. Acad. Nat. Sc. Philad. VI. 1852, 189. (146)
- ROGERS (H. D.). On the drift.—Proc. Bost. Soc. Nat. Hist. IV. 1852, 182. (147)
- ROGERS (H. D.) and DESOR (E.). On the equivalency in geological age of the coal formation of the United States and the anthraciferous strata of France in the department of Mayenne and Sarthe.—Proc. Bost. Soc. Nat. Hist. IV. 1852, 189. (148)

PALÆONTOLOGY.

- BRAINERD (J.).** On some fossils of Northern Ohio.—Proc. Amer. Assoc. Adv. Sc. VI. 1852, 304. (149)
- BRAINERD (J.).** Fossil fishes.—Ann. of Sc. I. 1852, 18. (150)
- BRICKENDEN (L.) and MANTELL (G. A.).** Notice of the remains of reptiles in the old red or devonian formation of Scotland. (Proc. Geol. Soc. Lond. Dec. 1851 and Jan. 1852).—Amer. Journ. Sc. 2d Ser. XIII. 1852, 278. (151)
- CONRAD (T. A.).** Notes on shells, with descriptions of new species.—Proc. Acad. Nat. Sc. Philad. VI. 1852, 199. (152)
- Inoceramus perovalis. Chesapeake and Delaware.
Senseni. Nebraska.
Ostrea titan. California.
Pholas pectorasa. New Jersey.
Schizothaerus (n. g.) Nuttallii.
(*Cryptodon Nuttallii*, Conr.).
- CONRAD (T. A.).** Description of the fossils of Syria, collected in the Palestine expedition.—*Lynch's* Off. Rep. 1852, 210. Pl. I—XXII. and App. Pl. I—VIII. (153)

ECHINODERMATA.

Echinus bullatus.	Echinus syriacus.
kerakensis.	Holaster syriacus.
lebanensis.	

ACEPHALA.

Arca acclivis.	Arca undulosa.
bhamdunensis.	Astarte arcata.
brevifrons.	engonata.
cuneus.	lintea.
declivis.	lucinioides.
fabiformis.	orientalis.
induratus.	pervetus.
longa.	sublineolata.
mucronata.	subcordata.
orientalis.	syriaca.
subrotunda.	Avicula samariensis.
syriaca.	Cardium bellum.

<i>Cardium biserialatum.</i>	<i>Nucula abrupta.</i>
<i>crebriechinatum.</i>	<i>crebrilineata.</i>
<i>hermonense.</i>	<i>myiformis.</i>
<i>ovulum.</i>	<i>parallela.</i>
<i>syriacum.</i>	<i>perdita.</i>
<i>Corbula aleihensis.</i>	<i>perobliqua.</i>
<i>congesta.</i>	<i>perovata.</i>
<i>sublineolata.</i>	? <i>obtenta.</i>
<i>syriaca.</i>	<i>submucronata.</i>
<i>Crassatella syriaca.</i>	<i>syriaca.</i>
<i>Cucullæa lineata.</i>	<i>Opis equalis.</i>
<i>opiformis.</i>	<i>obrutus.</i>
<i>parallela.</i>	<i>orientalis.</i>
<i>subrotunda.</i>	<i>undatus.</i>
<i>Cytherea syriaca.</i>	<i>Orbicula subobliqua.</i>
<i>Exogyra densata.</i>	? <i>syriaca.</i>
<i>Gryphæa capuloides.</i>	<i>Ostrea corticosa.</i>
<i>vesicularis.</i>	<i>linguloides.</i>
<i>Hippurites lineata.</i>	<i>syriaca.</i>
<i>parallela.</i>	<i>virgata.</i>
<i>subrotunda.</i>	<i>Pecten delumbis.</i>
<i>Inoceramus aratus.</i>	<i>obrutus.</i>
<i>elevatus.</i>	<i>Panopea pectorosa.</i>
<i>Lynchii.</i>	<i>orientalis.</i>
<i>syriacus.</i>	<i>Pholadomya decisa.</i>
<i>Isocardia crenulata.</i>	<i>syriaca.</i>
<i>Janira syriaca.</i>	<i>Tellina obruta.</i>
<i>Lithodomus stamineus.</i>	<i>syriaca.</i>
<i>syriacus.</i>	<i>Terebratula hermonensis.</i>
<i>Lucina safedensis.</i>	<i>Trigonia alta.</i>
? <i>subtruncata.</i>	<i>cuneiformis.</i>
<i>syriaca.</i>	<i>distans.</i>
<i>Mactra arciformis.</i>	<i>syriaca.</i>
<i>pervetus.</i>	<i>Venus indurata.</i>
<i>petrosa.</i>	<i>perovalis.</i>
<i>syriaca.</i>	<i>syriaca.</i>
- GASTEROPODA.
<i>Actæonella syriaca.</i>	<i>Dentalium cretaceum.</i>
<i>Cancellaria petrosa.</i>	<i>Fusus Ellerii.</i>
<i>Cerithium bilineatum.</i>	<i>Natica indurata.</i>
<i>Chenopus induratus.</i>	<i>orientalis.</i>
<i>syriacus.</i>	? <i>scalaris.</i>
<i>turriculoides.</i>	<i>syriaca.</i>

Nerinea abbreviata.	Nummulites arbiensis.
bhamdunensis.	Phorus syriacus.
? cochlæformis.	Strombus pervetus.
cretacea.	Turritella magnicostata.
? orientalis.	peralveata.
syriaca.	syriaca.

CEPHALOPODA.

Ammonites libanensis.	Ancyloceras safedensis.
safedensis.	Baculites syriacus.
syriacus.	

CREPLIN (. . .). Beschreibung des *Carterodon sulcidens* (Lund).
(Auszug aus einem Briefe von Joh. Reinhardt an Prof.
Steenstrup, d. d. Lagoa Santa, 19 Jul. 1851). Ausd.
Videnskabelige Meddelelser fra den naturh. Forening i
Kjöbenhavn, 1851. No. 1 u. 2, übersetzt vom Dr. CREPLIN.
—Arch. für naturg. 1852, I. 277. (154)

FOSTER (J. W.). On the alternations of marine and terrestrial
organic remains in the carboniferous series of Ohio.—Proc
Amer. Assoc. Adv. Sc. VI. 1852, 301. (155)

GEINITZ (H. B.). Note on *Graptolites*.—Amer. Journ. Sc. 2d Ser.
XIV. 1852, 128. (156)
N. gen. Cladograpsus. Monograpsus. Nereograpsus.

HALL (James). Geology and Palæontology in *Stansbury's* explora-
tion of the valley of the Great Salt Lake. Appendix E.
401. Pl. I. —IV. (157)

POLYPL.

Faphrentis Stansburii.	Spirifer triplicata.
Flaviphyllum? rugosum.	Tellinomya protensa.
ACEPHALA.	GASTEROPODA.
Allorisma terminalis.	Euomphalus subplanus.
Nucula arata.	Pleurotomaria coronula.

HALL (James). Palæontology of New York. Vol. II. Containing
descriptions of the organic remains of the lower middle
division of the New York system, (equivalent in part to
the middle silurian rocks of Europe). Albany, 1852. 4to.
Pl. I.—LXXXV. (158)

PLANTÆ.

Arthrophyceus (n. g.) Harlani.
(*Fucoides Harlani*, Conr.).

Buthotrephis gracilis.

(*Fucoides gracilis*, Hall).

Rusophycus bilobatus.

(*Fucoides bilobatus*, Vanux.).

Buthotrephis impudica.

palmata.

ramosa.

Palæophycus striatus.

tortuosus.

Rusophycus (n. g.) *clavatus*.

puddicus.

subangulatus.

Scolithus verticalis.

POLYPL.

Astrocerium constrictum.

pyriforme.

verrucatum.

Callopora aspera.

elegantula.

florida.

laminata.

nummiformis.

Caninia bilateralis.

Cannopora (n. g.) *junciformis*.

Ceramopora foliacea.

imbricata.

incrustans.

Cladopora caespitosa.

cervicornis.

fibrosa.

macrophora.

multiopora.

reticulata.

seriata.

Clathropora frondosa.

Columnaria inæqualis.

Cyclolites rotuloides.

Diamopora (n. g.) *dichotoma*.

Dictyonema gracilis.

retiformis.

Diplophyllum caespitosum.

coralliferum.

Favistella foveosidea.

Favosites niagarensis.

Fenestella cribrifera.

elegans.

tenuiceps.

Graptolithus venosus.

Heliolites elegans.

macrostylus.

spinipora.

Metopora fragilis.

Horrea? dichotoma.

Inocaulis plumulosa.

Lichenalia concentrica.

Limaria laminata.

ramulosa.

Phænopora constellata.

ensiformis.

explanata.

Rhinopora angulata.

tubulosa.

verrucosa.

Sagenalia membranacea.

Stictopora crassa.

rariopora.

Striatopora flexuosa.

punctipora.

Trematopora aspera.

coalescens.

granulifera.

ostiola.

punctata.

solida.

sparsa.

spinulosa.

striata.

tuberculosa.

tubulosa.

Favosites favosa?

(*Calamopora favosa*, Goldf.).

*Atrypa aprinis.**(Terebratula aprinis, deVern.).**bidentata.**(Terebratula bidentata, Hising.).**cuneata.**(Terebratula cuneata, Dalm.).**interplicata.**(Terebratula interplicata, Sow.).**plicatella.**(Terebratula (Anomites) plicatella, Linn.).**Leptæna corrugata.**(Strophomena corrugata, Hall).**striata.**(Strophomena striata, Hall).**subplana.**(Strophomena subplana, Conr.)**Spirifer bicostatus.**(Orthis bicostatus, Vanux.)**niagarensis.**(Delthyris niagarensis, Conr.)**sulcatus.**(Delthyris sulcatus, Hising.)*

ACEPHALA.

*Avicula limæformis.**Modiolopsis subearinatus.**orbiculata.**subulatus.**rhomboidea.**undulostriata.**securiformis.**Myalina mytiliformis.**subplana.**Posidonomya rhomboidea.**subrecta.**Pyrenomæus (n. g.) cuneatus.**undata.**Tellinomya curta.**Megalomus canadensis.**elliptica.**Modiolopsis ovatus.**lata.**Modiolopsis orthonota.**(Unio orthonotus, Conr.).**primigenius.**(Unio primigenius, Conr.).**Tellinomya machæriiformis.**(Nucula machæriiformis, Hall).*

GASTEROPODA.

*Aeroculia angulata.**Bucania bellapuncta.**niagarensis.**stigmosa.**Bucania angulata.**Cyclonema (n. g.) obsoleta.*

Cyclonema sulcata.	Murchisonia terebralis.
ventricosa.	Platyostoma niagarensis.
Murchisonia bivittata.	Pleurotomaria bispiralis.
conoidea.	litorea.
loganii.	perlata.
longispira.	solaroides.
macrospira.	subdepressa.
obtusa.	Subulites ventricosa.
Bucania trilobata.	
(<i>Planorbis trilobatus</i> , Conr.)	
Cyclonema cancellata.	
(<i>Littorina cancellata</i> , Hall).	
Murchisonia boydii.	
(<i>Loxonema boydii</i> , Hall).	
subulata.	
(<i>Loxonema subulata</i> , Conr.).	
Platyostoma hemispherica.	
(<i>Euomphalus hemisphericus</i> , Hall).	

CEPHALOPODA.

Conularia longa.	Orthoceras cancellatum.
niagarensis.	clavatum.
Cyrtoceras arcticameratum.	multiseptum.
? cancellatum.	virgulatum.
Oncoceras expansum.	Trochoceras gebhardii.
gibbosum.	turbinata.
subrectum.	

TRILOBITES.

Beyrichia symmetrica.	Bronteus? niagarensis.
Arges phlyctanodes.	
(<i>Calymene phlyctanodes</i> , Green).	
Beyrichia lata.	
(<i>Agnostus latus</i> , Vanux.).	
Calymene clintoni.	
(<i>Hemicrypturus clintoni</i> , Vanux.).	
Ceraurus insignis.	
(<i>Cheirurus insignis</i> , Beyr.).	
Lichas boltoni.	
(<i>Paradoxides boltoni</i> , Bigsby).	
Phacops limulurus.	
(<i>Asaphus limulurus</i> , Green).	
trisulcatus.	
(<i>Calymene? trisulcatus</i> , Hall).	

Proetus corycæus.

(*Asaphus coricæus*, Conr.).

PISCES.

Onchus Deweii.

INCERTÆ SEDES.

Cornulites flexuosus.

Ichnophycus (n. g.) *tridactylus*.

Discosorus (n. g.) *conoideus*.

HALL (James). Description of new or rare species of fossils from the Palæozoic series.—Chapter XIII, in *Foster and Whitney's Rep. Geol. Lake Sup. Part II.* 1851, 203—231. (159)

TRILOBITES.

Asaphus Burraudi.

Phacops anchiops.

Harpes escanabiæ.

(*Calymene anchiops*, Green).

CEPHALOPODA.

POLYPI.

Huronia annulata.

Catenipora gracilis.

GASTEROPODA.

Clathropora flabellata.

Murchisonia major.

Dictyonema fenestrata.

ACEPHALA.

Phenopora multipora.

Modiolopsis pholadiformis.

Sarcinula ? *obsoleta*.

JACKSON (C. T.). Descriptions of five new species of fossil fish, of the genus *Palæoniscus*, and notices of several specimens of fossil plants, from the shales of the coal formation at Hillsboro', N. B.—*Proc. Bost. Soc. Nat. Hist.* IV. 1852, 138. (160)

Palæoniscus alberti, *Brownii*, *Cairnsii*.—Besides these three species the author describes four more, under Nos. 4, 5, 6, and 7, without affixing any name to them. The plants are referred to *Lepidodendron*, *Lepidostrobus*, and *Sphærædra*.

LEA (Isaac). On the fossil footmarks of the red sandstones of Pottsville, Schuylkill county, Penna.—*Trans. Amer. Philos. Soc.* X. New Ser. 307. Pl. XXXI.—XXXIII. (161)

Sauropus primævus.

LEA (Isaac). Description of a new species of *Eschara*, from the Eocene of Alabama.—*Proc. Acad. Nat. Sc. Philad.* VI. 1852, 109. (162)

Eschara clairbornensis.

- LECONTE (John L.). Notes on some suiline pachyderms from Illinois.—Proc. Acad. Nat. Sc. Philad. VI. 1852, 3. (163)
Dicotyles depressifrons. = *Hyops depressifrons*.
- LECONTE (John L.). Notice of a fossil *Dicotyles* from Missouri.—Proc. Acad. Nat. Sc. Philad. VI. 1852, 5. (164)
Dicotyles costatus.
- LEIDY (J.). Memoir on the extinct species of American ox.—Smiths. Contr. to Knowl. V. 1852. Pl. I.—V. (165)
- LEIDY (J.). Description of the remains of extinct mammalia and chelonia, from Nebraska Territory, collected during the geological survey under the direction of Dr. D. D. Owen.—*Owen's Rep.* 1852, 535. (166)
Anchitherium Bairdii. = *Palæotherium Bairdii*.
Archæotherium robustum. = *Arctodon robustus*.
Eucrotaphus auritus.
Oreodon Culbertsonii. = *Merycoidodon Culbertsonii*, L.
Oreodon priscus L. and *Cotylops speciosa*, L.
- LETTSON (W. G.). Flora of the tertiary formation. (Augsburg Gazette).—Amer. Journ. Sc. 2d Ser. XIV. 1852, 280. (167)
- MANTELL (G. A.). Fossil ova, probably of Batrachians.—Amer. Journ. Sc. 2d Ser. XIII. 1852, 280 (168)
- NEWBERRY (J. S.). Fossil fishes of the cliff limestone.—Ann. of Sc. I. 1852, 12. (169)
- OWEN (Richard). Comparison of the modifications of the osseous structure of the *Megatherium* with that in other known existing and extinct species of the class of mammalia: being an abstract of a memoir read by Prof. Owen to the Royal Society of London. (Edinb. New Philos. Journ. LI. 1851, 350).—Amer. Journ. Sc. 2d Ser. XIV. 1852, 91. (170)
- OWEN (Rich.). On the *Megatherium* (*Megatherium americanum*, Blumenbach).—Philos. Trans. R. Soc. L. Part II. 1851. 719. Pl. XLIV.—LIII. (175)

OWEN (Rich.). *Vertebrae of reptiles figured and compared with those of mammalia.*—Philos. Trans. R. Soc. L. Part II. 1851, 749. (176)

OWEN (D. D.). *Description of new and imperfectly known genera and species of organic remains collected during the geological surveys of Wisconsin, Iowa, and Minnesota.*—*Owen's Rep.* 1852. Appendix, 573. (171)

TRILOBITES.	Straparollus (<i>Euomphalus</i>) min-
Asaphus (<i>Isotelus</i>) iowensis.	[nesotensis.
Crepicephalus (n. g.). [sus.	ACEPHALA.
Dikelocephalus (n. g.) granulo-	Cuculæa nebrascensis.
iowensis.	Luoceramus nebrascensis.
minnesotensis.	sagensis.
miniscaensis.	BRACHIOPODA.
pepinensis. [waensis.	Atrypa comis.
Lonchocephalus (n. g.) chippe-	Chonetes granulifera.
hamulus.	?iowensis.
Monocephalus (n. g.).	Leptaena trilobata.
CEPHALOPODA.	Lingula ampla.
Ammonites cheyennensis.	pinnaformis.
lenticularis.	Orbicula prima.
moreauensis.	Orthis cuneata.
nebrascensis.	Productus nebrascensis.
opalus.	Spirifer cedarensis.
Discites tuberculatus.	euruteines.
Gyroceras burlingtonensis.	inzequicostatis.
Scaphites comprimus.	iowensis.
nodosus.	ligus.
GASTEROPODA.	pennatus.
Pleurotomaria muralis.	FORAMINIFERA.
	Selenoides (n. g.) iowensis.

OWEN (D. D.) and SHUMARD (B. F.) *Descriptions of one new genus and twenty-two new species of Crinoidea, from the subcarboniferous limestone of Iowa.*—*Owen's Rep.* 1852. Appendix, 587. (172)

Actinocrinus unicornus.	Megistocrinus (n. g.) Evansii.
Agassizocrinus conicus.	Pentremites laterniformis.
Cyathocrinus cornutus.	melo.
iowensis.	Norwoodii.
Dichocrinus ovatus.	stelliformis.
striatus.	Platycrinus americanus.

Platycrinus burlingtonensis.	Poteriocrinus occidentalis.
corrugatus.	rhombiferus
discoideus.	spinosus.
planus.	tumidus.
Yandellii.	Synbathocrinus dentatus.

OWEN (David D.) and SHUMARD (Benjamin F.). Descriptions of seven new species of *Crinoidea*, from the subcarboniferous limestone of Iowa and Illinois.—Journ. Acad. Nat. Sc. Philad. New Ser. II. 1852, 89. Pl. XI. (173)

The species here described are included in the preceding list.

OWEN (D. D.) and SHUMARD (B. F.). Summary of the distribution of orders, genera and species, in the northwest.—*Owen's Rep.* 1852. Appendix, 598. (174)

RICHARDSON (Sir John). Fossil mammalia of the zoology of the voyage of the Herald. See EDWARD FORBES. (177)

These fossil remains were procured chiefly in Eschscholtz Bay, and belong to *Elephas primigenius*, *Equus fossilis*, *Cervus alces*, *C. tarandus*, *Ovibos moschatus*, vel *O. Pallasi*, *O. marinus*, *Bison latifrons*, and *B. crassicornis*. Follow: remarks on some bones of cetaceans of recent date; description of an entire skeleton of a musk-bull, of the skull and some detached bones of a musk-cow, and of the skull of a foetal musk-calf; osteology of a Big-horn ram, *ovis montana*; and a table of dimensions of reindeer skulls.

ROEMER (Ferdinand). Die Kreidebildungen von Texas und ihre organische Einschlusse. Mit einem die Beschreibung von versteinerungen aus palæozoischen und tertiaren schichten enthaltenden Anhang und mit XI, von C. HOHE nach der natur auf Stein gezeichneten Tafeln. Bonn. 1852. 4to. (178)

ECHINODERMATA.

Diadema texanum.	Cyphosoma texanum.
Toxaster texanus.	(<i>Diadema texanum</i> , Roem.).

MOLLUSCA.

Arcopagia texana.	Monopleura texana.
Homomya alta.	Nerinea texana.
Modiola granulato-cancellata.	Ostrea crenulimargo.
Monopleura subtriquetra.	Pholadomya pedernalis.

Psammobia cancellato-sculpta. Scaphites texanus.
 Scalaria texana. Solen irradians.
 Scaphites semicostatus. Terebratula wacoensis.

Caprotina texana.

(*Caprina? texana*, Roem.).

Pecten texanus.

(*Pecten æquicostatus*, (Lam.) Roem.).

In appendix.

Euomphalus gyroceras.

PLANTS, by Prof. Unger.

Roemeria (n. g.) americana. Thujoxydon americanum.

Sillimania texana.

SALTER (J. W.). Note on the fossils above mentioned, from the Ottawa river.—Rep. Brit. Assoc. Adv. Sc. for 1851. London, 1852, 63. (179)

Refers to *W. E. Logan's* Paper on the age of the copper-bearing rocks of Lake Superior and Huron, &c.

SALTER (J. W.). Geology. Appendix to *Sutherland's Voyage* in search of Sir John Franklin. II. 1852, ccxvii. (180)

POLYPL.

Strephodes Pickthornii.

Arachnophyllum Richardsonii.

MOLLUSCA.

Calophyllum phragmoceras.

Bellerophon nautarum.

Columnaria Sutherlandi.

Orthoceras (Cameroceras) Om-

Favistella Franklini.

[manneyi.

reticulata.

Rhynconella Mansonii.

Strephodes? Austini.

phoca.

Rhynconella sublepada.

(*Terebratula sublepada*, Vern.).

SILLIMAN (B.). Notice of a work entitled *Petrifications and their Teachings*, or a Hand-book to the Gallery of Organic Remains of the British Museum.—Amer. Journ. Sc. 2d Ser. XIII. 1852, 407. (181)

SILLIMAN (B.). On the structure of the *Iguanodon*, and on the Fauna and Flora of the Wealden formation. By Dr. MANTELL. (Proc. Roy. Inst. G. Brit. 1852).—Amer. Journ. Sc. 2d Ser. XIV. 1852, 107. (182)

SILLIMAN (B.). Large deposit of graphite.—Amer. Journ. Sc. 2d Ser. XIV. 1852, 280. (183)

TESCHEMACHER (J. E.). On *Stigmara*. (Proc. Bost. Soc. Nat. Hist. IV. 1852).—Amer. Journ. Sc. 2d Ser. XIII. 1852, 265. (184)

TUOMEY (M.). Description of some fossil shells from the tertiary of the Southern States.—Proc. Acad. Nat. Sc. Philad. VI. 1852, 192. (185)

Arca cancellata.

Pyrula ampla.

Cardita trapezium.

Trigonia divaricata.

Conus mutilatus,

lunata.

Cucullæa lævis.

Trochus nixus.

Fusus abruptus.

Voluta conoides.

WARREN (John C.). On *Dinotherium giganteum*.—Proc. Amer. Acad. II. 1852, 305. (186)

WARREN (John C.). Description of a skeleton of the *Mastodon giganteus* of North America. Boston, 1852. 4to. (With 28 plates). (187)

ALGER (F.). *Sigillaria* from the sandstone of the coal formation of Nova Scotia.—Proc. Amer. Acad. II. 1852, 263. 188

LECONTE (John L.). Additional remarks on some fossil pachyderms from Illinois.—Proc. Acad. Nat. Sc. Philad. VI. 1852, 56. (190)

Hyops depressifrons, Lec. = *Dicotyles depressifrons*, Lec. = *Platygonus compressus*, Lec. (in part). = *Protochærus prismaticus*, Lec.

LEIDY (J.). A new species of rhinoceros.—Proc. Acad. Nat. Sc. Philad. VI. 1852, 2. (191)

Rhinoceros americanus. Nebraska.

LEIDY (J.). A fossil turtle from Nebraska.—Proc. Acad. Nat. Sc. Philad. VI. 1852, 34. (192)

Emys Culbertsonii.

- LEIDY (J.). A fossil *Delphinus* from the myocene of Virginia.—
Proc. Acad. Nat. Sc. Philad. VI. 1852, 35. (193

Delphinus Conradi.

- LEIDY (J.). A crocodilian reptile from the green sand of New
Jersey.—Proc. Acad. Nat. Sc. Philad. VI. 1852, 35. (194

Thoracosaurus (n. g.) *grandis*.

- LEIDY (J.). A cervical vertebræ from the eocene of Louisiana.—
Proc. Acad. Nat. Sc. Philad. VI. 1852, 52. (195

Pontogeneus (n. g.) *priscus*.

- LEIDY (J.). Rectification in the determination of fossil tortoises
from Nebraska.—Proc. Acad. Nat. Sc. Philad. VI. 1852,
59. (196

Testudo Culbertsonii. = *Emys Culbertsonii*, Leidy.

hemispherica. = *Emys hemispherica*, Leidy.

nebrascensis. = *Stylemys nebrascensis*, Leidy.

Owenii. = *Emys Owenii*, Leidy.

- LEIDY (J.). Two crania of extinct species of ox.—Proc. Acad.
Nat. Sc. Philad. VI. 1852, 71. (197

Bootherium (n. g.) *bombifrons*. — *Bos bombifrons*, Harl.
cavifrons. = *Bos cavifrons*.

- LEIDY (J.). Fossil tooth of a tapir.—Proc. Acad. Nat. Sc. Philad.
VI. 1852, 106. 198

Tapirus Haysii.

- LEIDY (J.). Fragments of a fossil ox head.—Proc. Acad. Nat. Sc.
Philad. VI. 1852, 117. (199

Bison latifrons. — *Bos latifrons*, Harl.
antiquus.

- LEIDY (J.). Extinct Edentata of North America.—Proc. Acad.
Nat. Sc. Philad. VI. 1852, 117. (200

Gnathopsis (n. g.) *Owenii*. *Megatherium mirabile*.

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