

## CONTENTS.

- BROCHURE** 1. Cardinal Principles of Science. W J MCGEE. Issued March 14, 1900.
- “ 2. Papers from the Harriman Alaska Expedition.—I. Descriptions of Twenty-six New Mammals from Alaska and British North America. C. HART MERRIAM. Issued March 14, 1900.
- “ 3. The Bats of the Genus *Monophyllus*. GERRIT S. MILLER, JR. Issued March 30, 1900.
- “ 4. A New Shrew from Eastern Turkestan. GERRIT S. MILLER, JR. Issued March 30, 1900.
- “ 5. A New Stony Meteorite from Allegan, Michigan, and a New Iron Meteorite from Mart, Texas. GEORGE P. MERRILL and H. N. STOKES. Issued July 25, 1900.
- “ 6. The Giant Squirrels of Burmah and the Malay Peninsula. GERRIT S. MILLER, JR. Issued July 25, 1900.
- “ 7. Descriptions of Two New Squirrels from Trong, Lower Siam. GERRIT S. MILLER, JR. Issued July 25, 1900.
- “ 8. Preliminary Revision of the European Redbacked Mice. GERRIT S. MILLER, JR. Issued July 26, 1900.
- “ 9. Papers from the Harriman Alaska Expedition.—II. *Harrimania maculosa*, a New Genus and Species of Enteropneusta from Alaska, with Special regard to the Character of Its Notochord. WM. E. RITTER. Issued Aug. 20, 1900.
- “ 10. Results of the Branner-Agassiz Expedition to Brazil.—I. The Decapod and Stomatopod Crustacea. MARY J. RATHBUN. Issued Aug. 20, 1900.
- “ 11. Results of the Branner-Agassiz Expedition to Brazil.—II. The Isopod Crustacea. HARRIET RICHARDSON. Issued Aug. 20, 1900.

- BROCHURE 12. Results of the Branner-Agassiz Expedition to Brazil.  
—III. The Fishes. CHARLES H. GILBERT. Is-  
sued August 20, 1900.
- “ 13. Results of the Branner-Agassiz Expedition to Brazil.  
—IV. Two Characteristic Geologic Sections on  
Northeast Coast of Brazil. JOHN C. BRANNER.  
Issued August 20, 1900.
- “ 14. Mammals Collected by Dr. W. L. Abbott on Islands  
in South China Sea. GERRIT S. MILLER, JR  
Issued August 20, 1900.
- “ 15. Papers from the Harriman Alaska Expedition.—III.  
Multiplication of Rays and Bilateral Symmetry in  
the 20-Rayed Star-fish, *Pycnopodia helianthoides*  
(Stimpson). WM. E. RITTER and GULIELMA R.  
CROCKER. Issued Oct. 10, 1900.
- “ 16. Papers from the Harriman Alaska Expedition.—IV.  
The Tree Willows of Alaska. FREDERICK V. CO-  
VILLE. Issued Oct. 10, 1900.
- “ 17. Papers from the Harriman Alaska Expedition.—V.  
Notes on the Hepaticæ Collected in Alaska.  
ALEXANDER W. EVANS. Issued Oct. 10, 1900.
- “ 18. Papers from the Harriman Alaska Expedition.—VI.  
The Bryozoa. ALICE ROBERTSON. Issued Oct.  
10, 1900.
- “ 19. Papers from the Harriman Alaska Expedition.—VII.  
The Tenthredinoidea. TREVOR KINCAID. Issued  
Nov. 24, 1900.
- “ 20. Papers from the Harriman Alaska Expedition.—VIII.  
The Metamorphoses of Some Alaska Coleoptera.  
TREVOR KINCAID. Issued Nov. 24, 1900.
- “ 21. Papers from the Harriman Alaska Expedition.—IX.  
Diptera. D. W. COQUILLET. Issued Dec. 7,  
1900.
- “ 22. Papers from the Harriman Alaska Expedition.—X.  
Neuropteroid Insects. NATHAN BANKS. Issued  
Dec. 20, 1900.
- “ 23. Papers from the Harriman Alaska Expedition.—XI.  
Arachnida. NATHAN BANKS. Issued Dec. 20,  
1900.

- BROCHURE 24. Papers from the Harriman Alaska Expedition.—XII.  
Lepidoptera. HARRISON G. DYAR. Issued Dec.  
20, 1900.
- “ 25. Papers from the Harriman Alaska Expedition.—XIII.  
Heteroptera. O. HEIDEMANN. Issued Dec. 20,  
1900.
- “ 26. Papers from the Harriman Alaska Expedition.—XIV.  
The Sphegoidea and Vespoidea. TREVOR KIN-  
CAID. Issued Dec. 20, 1900.
- “ 27. Papers from the Harriman Alaska Expedition.—XV.  
Orthoptera. A. N. CAUDELL. Issued Dec. 20,  
1900.
- “ 28. Papers from the Harriman Alaska Expedition.—XVI.  
Aphididæ. THEO. PERGANDE. Issued Dec. 20,  
1900.
- “ 29. Papers from the Harriman Alaska Expedition.—  
XVII. Formicidæ. THEO. PERGANDE. Issued  
Dec. 20, 1900.
- “ 30. Papers from the Harriman Alaska Expedition.—  
XVIII. Coleoptera. E. A. SCHWARZ. Issued  
Dec. 20, 1900.
- “ 31. Papers from the Harriman Alaska Expedition.—XIX.  
Psyllidæ. E. A. SCHWARZ. Issued Dec. 20, 1900.
- “ 32. A Contribution to the Study of the Insect Fauna of  
Human Excrement. L. O. HOWARD. Issued Dec.  
28, 1900.
- “ 33. A Theatrical Performance at Walpi. J. WALTER  
FEWKES. Issued Dec. 28, 1900.
- “ 34. A Collection of Small Mammals from Mt. Coffee,  
Liberia. GERRIT S. MILLER, JR. Issued Dec.  
28, 1900.
- “ 35. Fossil Land Shells of the John Day Region with  
Notes on Related Living Species. ROBERT E. C.  
STEARNS. Issued Dec. 28, 1900.
- “ 36. Preliminary Revision of the North American Red  
Foxes. C. HART MERRIAM. Issued Dec. 28,  
1900.

# ILLUSTRATIONS.

## PLATES.

- I. The Allegan Meteorite.
- II. The Allegan Meteorite.
- III. The Allegan Meteorite.
- IV. The Allegan Meteorite.
- V. The Allegan Meteorite.
- VI. The Mart Iron.
- VII. *Harrimania maculosa* gen. et sp. nov.
- VIII. Decapod and Stomatopod Crustaceans from Brazil.
- IX. New Fishes from Brazil.
- X. An exfoliated peak of quartz-monzonite at Sete de Setembro, Rio Mucury.
- XI. Deep cut near Bittencourt, on the Alagôas railway, exposing sedimentary beds resting against granite.
- XII. Granite hills near Gamelleira on the Alagôas railway, State of Alagôas, Brazil.
- XIII. *Pycnospodia helianthoides*.
- XIV. *Pycnospodia helianthoides*.
- XV. *Salix amplifolia* sp. nov.
- XVI. Alaska Hepaticæ: *Gymnomitrium obtusum* and *Anastrophyllum reichardtii*.
- XVII.     "     "     *Cephalozia leucantha* and *Diplophylleia plicata*.
- XVIII.   "     "     *Diplophylleia plicata*.
- XIX. Alaska Bryozoa.
- XX. Alaska Bryozoa.
- XXI. Alaska Bryozoa.
- XXII. Metamorphoses of Alaska Coleoptera.
- XXIII. Metamorphoses of Alaska Coleoptera.
- XXIV. Metamorphoses of Alaska Coleoptera.
- XXV. Metamorphoses of Alaska Coleoptera.
- XXVI. Metamorphoses of Alaska Coleoptera.
- XXVII. Alaska Neuropteroids.
- XXVIII. Alaska Neuropteroids.
- XXIX. Alaska Arachnids.
- XXX. 1. *Muscina stabulans*; 2. *Piophilila casei*.
- XXXI. 1. *Hippelates flavipes*; 2. *Drosophila ampelophaga*; 3. *Pseudopyrellia cornicina*.
- XXXII. Serpent screen.
- XXXIII. Struggle of serpents with 'Mudheads.'
- XXXIV. Serpent effigies.

- XXXV. Fossil land shells from the John Day region.  
XXXVI. Molar teeth of Red Foxes.  
XXXVII. Molar teeth of Red Foxes.

TEXT FIGURES.

1. Head of *Corollana acuticauda*.
2. Abdomen of *Corollana acuticauda*.
3. *Bopyrus alphei*.
4. *Bopyrus alphei*.
5. Coast of Brazil from Rio to Bahia.
6. Section along line of Bahia and Minas Railway, Brazil.
7. Plateau between Lagoa do Norte and Lagoa Manguaha, Brazil.
8. Map of Alagôas Railway, Brazil.
9. Section along main line of Alagôas Railway.
10. Islands in North China Sea, visited by Dr. Abbott.
11. Skulls of *Mus tiomanicus*, *M. siantanicus*, and *M. tambulanicus*.
12. Skulls of *Sciurus mimiculus* and *S. prevostii*.
13. " " *Sciurus notatus*, *S. klossi*, and *S. tenuirostris*.
14. " " *Tupaia malaccana*.
15. " " *Emballonura anambensis* and *E. peninsularis*.
16. Skull of *Pteropus lepidus*.
17. *Compsomyia macellaria*.
18. *Lucilia cæsar*.
19. *Calliphora erythrocephala*.
20. *Sarcophaga sarraceniæ*.
21. *Sarcophaga assidua*.
22. *Phormia terrænovæ*.
23. *Musca domestica*.
24. *Morellia micans*.
25. *Muscina stabulans*.
26. *Myospila mediatubunda*.
27. *Stomoxys calcitrans*.
28. *Pseudopyrellia cornicina*.
29. *Homalomyia brevis*.
30. *Limnophora arcuata*.
31. *Phorbta cinerella*.
32. *Sepsis violacea*.
33. *Nemopoda minuta*.
34. *Limosina albipennis*.
35. *Limosina crassimana*.
36. *Sphærocera subsultans*.

37. *Scatophaga furcata*.
38. *Scatophaga furcata*.
39. *Sciurus rufobrachiatus libericus* and *S. rufobrachiatus*.
40. Skull of *Dasymys rufulus*.
41. " " *Arvicanthis planifrons* and *A. univittatus*.
42. " " *Myosorex muricauda*.
43. " " *Pipistrellus pipistrellus* and *P. minusculus*.