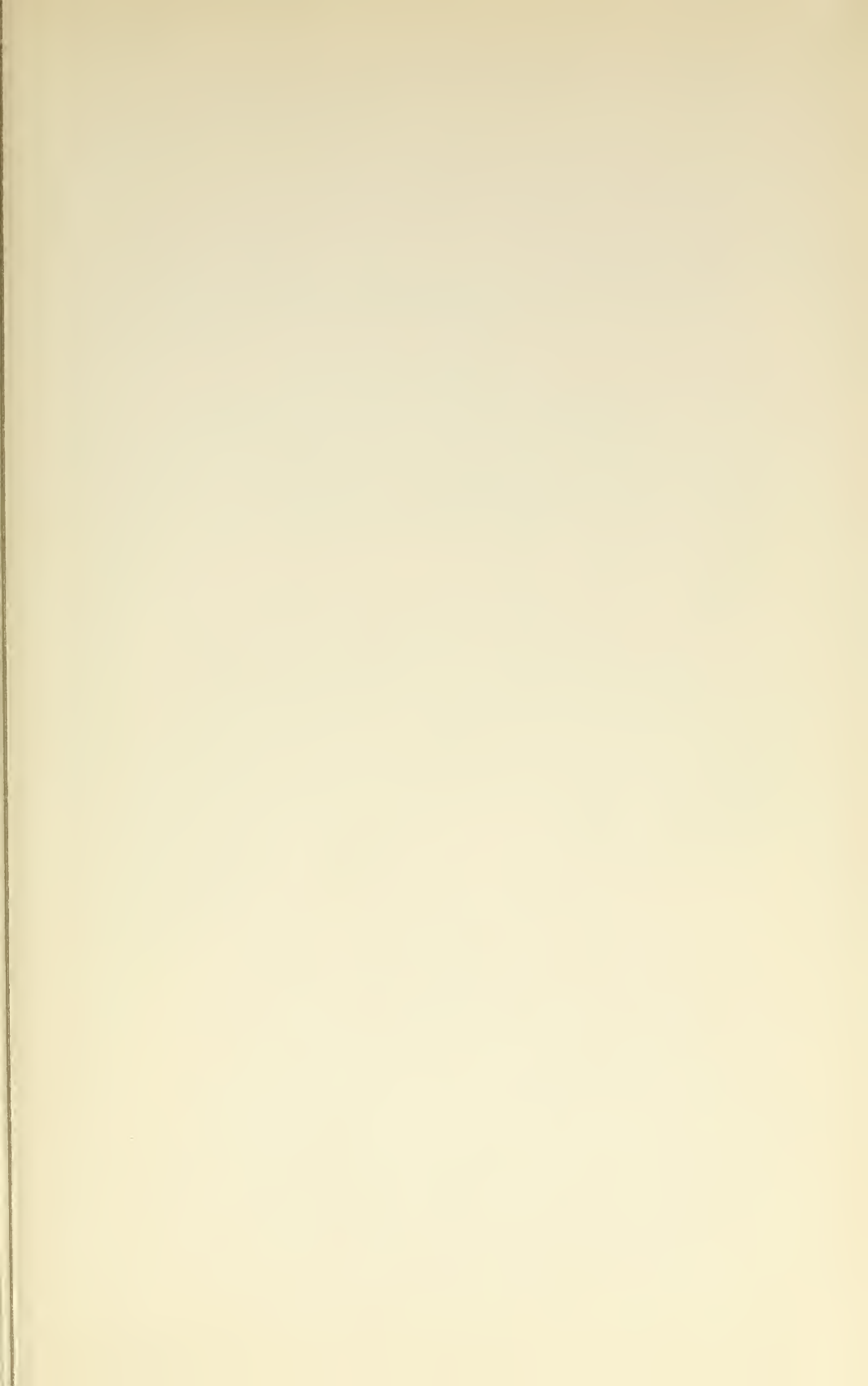


Q  
11  
V367  
CRLSSI









SMITHSONIAN  
INSTITUTION

---

UNITED STATES  
NATIONAL MUSEUM



UNITED STATES NATIONAL MUSEUM BULLETIN 298

---

FINAL VOLUME OF SERIES

---

Publications of the  
United States National Museum  
(1947–1970)



SMITHSONIAN INSTITUTION PRESS

CITY OF WASHINGTON

1971

U.S. GOVERNMENT PRINTING OFFICE  
WASHINGTON : 1971

---

For sale by the Superintendent of Documents, U.S. Government Printing Office  
Washington, D.C. 20402 - Price 60 cents (paper cover)



## CONTENTS

	<i>page</i>
Introduction . . . . .	1
Annual Reports . . . . .	3
Bulletins of the United States National Museum . . . . .	4
Contributions from the United States National Herbarium . . . . .	15
Proceedings of the United States National Museum . . . . .	20
Index to USNM Publications . . . . .	51



## INTRODUCTION

Since a first monograph in 1875, the United States National Museum has issued its publications in five series: *Special Bulletins*, *Circulars*, *Annual Reports*, *Proceedings*, and *Bulletins*.

The *Special Bulletins*, begun in 1892, ceased in 1915; the *Circulars*, issued initially in 1881, in 1929. The *Annual Reports*, also first published in 1881, were issued through 1964, when the series was discontinued and subsequent reports were incorporated into the larger annual reports of the Smithsonian Institution. The *Proceedings*, first issued in 1878, were terminated in 1968 in favor of new subject-oriented series at the Smithsonian instead of the old museum-oriented serial publications. For the same reason, the *Bulletin* series, begun in 1875, is terminated with the present number. Thus, the volume in hand is the final volume of all the publications of the United States National Museum.

The first complete list of these publications, covering the years 1875–1900, was issued in 1902 as *Bulletin 51*. It bore the title *A List of the Publications of the United States National Museum (1875–1900) Including the Annual Reports, Proceedings, Bulletins, Special Bulletins, and Circulars, with Index to Titles*. A supplement brought the listing up to date through calendar year 1906.

In 1946, a cumulative volume, *Bulletin 193*, was issued, comprising the two earlier lists plus all titles published in the intervening forty years. It bore the shorter title *A List and Index of the Publications of the United States National Museum (1875–1946)*. A supplement brought the list up to date through June 1958.

The present volume comprehends the supplement and thus is a continuation of *Bulletin 193*.

A word of bibliographic explanation: the *Bulletin* series carries within it what loosely might be termed two "subseries." The *Contributions from the United States National Herbarium* (first issued in 1890–1895), although considered a part of the *Bulletins*, is treated separately because of its independent numbering system. Conversely, the other subseries, *Contributions from the Museum of History and Technology* (first issued in 1959), does not carry seriation independent of the *Bulletins* and thus is included in the listing of that larger series.

In the index to titles, all topics (authors, persons' names, taxonomic terms, general subjects, places) are arranged in a straight alphabetical listing. There are as many parallel references to a work as are required by the number of topics in the title. Thus, a single bibliographic entry may be approached through a variety of routes.

*Bulletin 193* and *Bulletin 298*, with their spanning dates (1875–1946; 1947–1970), provide a complete list and index for all publications of the United States National Museum.

The current serial publications of the Smithsonian Institution are:

*Smithsonian Annals of Flight*

*Smithsonian Contributions to Anthropology*

*Smithsonian Contributions to Astrophysics*

*Smithsonian Contributions to Botany*

*Smithsonian Contributions to the Earth Sciences*

*Smithsonian Contributions to Paleobiology*

*Smithsonian Contributions to Zoology*

*Smithsonian Studies in History and Technology*

## ANNUAL REPORTS

1947. *Report on the Progress and Condition of the United States National Museum for the Fiscal Year Ended June 30, 1947.* iii+108 pages. 17 January 1948.
1948. *Report on the Progress and Condition of the United States National Museum for the Year Ended June 30, 1948.* iii+127 pages. 25 January 1949.
1949. *Report on the Progress and Condition of the United States National Museum for the Year Ended June 30, 1949.* iii+123 pages. 13 January 1950.
1950. *Report on the Progress and Condition of the United States National Museum for the Year Ended June 30, 1950.* iii+141 pages. 10 January 1951.
1951. *Report on the Progress and Condition of the United States National Museum for the Year Ended June 30, 1951.* iv+112 pages. 5 plates. 10 January 1951.
1952. *Annual Report for the Year Ended June 30, 1952.* iv+103 pages. 15 January 1953.
1953. *The United States National Museum Annual Report for the Year Ended June 30, 1953.* vii+97 pages. 12 January 1954.
1954. *The United States National Museum Annual Report for the Year Ended June 30, 1954.* ix+100 pages. 14 January 1955.
1955. *The United States National Museum Annual Report for the Year Ended June 30, 1955.* v+102 pages, illustrated. 1956.
1956. *The United States National Museum Annual Report for the Year Ended June 30, 1956.* ix+105 pages, illustrated. 18 January 1957.
1957. *The United States National Museum Annual Report for the Year Ended June 30, 1957.* vi+137 pages, illustrated. 17 January 1958.
1958. *The United States National Museum Annual Report for the Year Ended June 30, 1958.* iv+150 pages, illustrated. 16 January 1959.
1959. *The United States National Museum Annual Report for the Year Ended June 30, 1959.* vi+178 pages, illustrated. 15 January 1960.
1960. *The United States National Museum Annual Report for the Year Ended June 30, 1960.* vi+175 pages, illustrated. 13 January 1961.
1961. *The United States National Museum Annual Report for the Year Ended June 30, 1961.* viii+188 pages, illustrated. 25 January 1962.
1962. *The United States National Museum Annual Report for the Year Ended June 30, 1962.* viii+195 pages, illustrated. 24 January 1963.
1963. *The United States National Museum Annual Report for the Year Ended June 30, 1963.* vii+226 pages, illustrated. 23 January 1964.
1964. *The United States National Museum Annual Report for the Year Ended June 30, 1964.* viii+215 pages, illustrated. 28 January 1965. [Final volume of series. Report hereinafter incorporated in the Smithsonian annual report, *Smithsonian Year.*]

BULLETINS OF THE UNITED STATES  
NATIONAL MUSEUM

50. *Birds of North and Middle America*, part 11: *Families Cathartidae, Accipitridae, Pandionidae, Falconidae*, by Herbert Friedmann. xiii+793 pages, 51 figures. 29 September 1950.
82. *A Monograph of the Existing Crinoids*, volume 1: *The Comatulids*, part 4b: *Superfamily Mariametrida (Concluded—the Family Colobometridae) and Superfamily Tropiometrida (Except the Families Thalassometridae and Charitometridae)*, by Austin Hobart Clark. vii+473 pages, 43 plates. 9 October 1947.
82. *A Monograph of the Existing Crinoids*, volume 1: *The Comatulids*, part 4c: *Superfamily Tropiometrida (the Families Thalassometridae and Charitometridae)*, by Austin Hobart Clark. vi+383 pages, 32 plates. 16 August 1950.
82. *A Monograph of the Existing Crinoids*, volume 1: *The Comatulids*, part 5: *Suborders Oligophreta (Concluded) and Macrophreata*, by Austin Hobart Clark and Ailsa McGown Clark. xiv+860 pages. 30 August 1967.
- 100, volume 14, parts 1–4. Title page, table of contents, and index. vii+443–461 pages. 16 May 1963.
- 100, volume 14. *Report on the Echinoidea Collected by the United States Fisheries Steamer Albatross During the Philippine Expedition, 1907–1910*, part 3: *The Echinoneidae, Echinolampadidae, Clypeastridae, Arachnoididae, Laganidae, Fibulariidae, Urechinidae, Echinocorythidae, Palaeostomatidae, Micrasteridae, Palaeopneustidae, Hemiasteridae, and Spatangidae*, by Theodor Mortensen. Pages i–iii+93–140. 29 October 1949.
- 100, volume 14, part 4. *Copepods Gathered by the United States Fisheries Steamer Albatross from 1887 to 1909, Chiefly in the Pacific Ocean*, by Charles Branch Wilson. Pages i–xi+141–441, plates 2–36. 17 October 1950.
- 161, part 4. *The Foraminifera of the Tropical Pacific Collections of the Albatross, 1899–1900*, by Ruth Todd. v+139 pages. 28 plates, 26 January 1965.
- 185, part 5. *Checklist of the Coleopterous Insects of Mexico, Central America, the West Indies, and South America*, by Richard E. Blackwelder. Pages i–iv+765–925. 31 October 1947.
- 185, part 6. *Checklist of the Coleopterous Insects of Mexico, Central America, the West Indies, and South America*, by Richard E. Blackwelder. viii+927–1492 pages. 15 May 1957.
193. *A List and Index of the Publications of the United States National Museum (1875–1946)*. iv+306 pages. 19 December 1947.
- 193, supplement 1. *Publications of the United States National Museum, January 1947–June 1958*. iii+16 pages. 8 October 1958.

194. *An Annotated Checklist and Key to the Amphibia of Mexico*, by Hobart M. Smith and Edward H. Taylor. iv+118 pages. 17 June 1948.
195. *Life Histories of North American Nuthatches, Wrens, Thrashers, and Their Allies: Order Passeriformes*, by Arthur Cleveland Bent. xi+475 pages, 90 plates. 7 July 1948.
196. *Life Histories of North American Thrushes, Kinglets, and Their Allies: Order Passeriformes*, by Arthur Cleveland Bent. viii+454 pages, 51 plates. 28 June 1949.
197. *Life Histories of North American Wagtails, Shrikes, Vireos, and Their Allies: Order Passeriformes*, by Arthur Cleveland Bent. vii+411 pages, 48 plates. 21 June 1950.
198. *Catalog of the Automobile and Motorcycle Collection of the Division of Engineering, United States National Museum*, by Smith Hempstone Oliver. iv+62 pages, 18 plates. 9 May 1950.
199. *An Annotated Checklist and Key to the Reptiles of Mexico Exclusive of the Snakes*, by Hobart M. Smith and Edward H. Taylor. v+253 pages. 16 October 1950.
200. *The Generic Names of the Beetle Family Staphylinidae*, by Richard E. Blackwelder. iv+483 pages. 21 July 1952.
201. *The Mysidacea of the United States National Museum*, by Walter M. Tattersall. x+292 pages, 103 figures. 4 October 1951.
- 202 [volume 1]. *Fishes of the Marshall and Marianas Islands*, by Leonard P. Schultz and collaborators. xxxii+685 pages, 74 plates, 90 figures. 15 December 1953.
- 202, volume 2. *Fishes of the Marshall and Marianas Islands*, by Leonard P. Schultz and collaborators: Wilbert M. Chapman, Ernest A. Lachner, and Loren P. Woods. ix+438 pages, plates 75–123, figures 91–132. 11 May 1960.
- 202, volume 3. *Fishes of the Marshall and Marianas Islands*, by Leonard P. Schultz and collaborators: Loren P. Woods and Ernest A. Lachner. vii+176 pages, 25 plates, 18 tables, 22 figures. 9 March 1966.
203. *Life Histories of North American Wood Warblers*, by Arthur Cleveland Bent. xi+734 pages, 83 plates. 15 June 1953.
204. *Catalog of the Cycle Collection of the Division of Engineering, United States National Museum*, by Smith Hempstone Oliver. vi+40 pages, 24 plates, 1 figure. 26 May 1953.
205. *List of North American Recent Mammals*, by Gerrit S. Miller, Jr., and Remington Kellogg. xii+954 pages. 3 March 1955.
206. *Frogs of Southeastern Brazil*, by Doris M. Cochran. xi+423 pages, 28 figures, frontispiece, 34 plates. 22 June 1955.
207. *American Moths of the Subfamily Phycitinae*, by Carl Heinrich. viii+581 pages, 1,138 figures. 18 September 1956.
208. *The Honey-guides*, by Herbert Friedmann. vii+292 pages, 6 figures, 25 plates. 20 October 1955.
209. *Nearctic Wasps of the Subfamilies Pepsinae and Ceropalinae*, by Henry Townes. iv+286 pages, 161 figures, 4 plates. 11 March 1957.

210. *The First Quarter-century of Steam Locomotives in North America: Remaining Relics and Operable Replicas, with a Catalog of Locomotive Models in the United States National Museum*, by Smith Hempstone Oliver. 112 pages, 81 figures, frontispiece. 6 August 1956.
211. *Life Histories of North American Blackbirds, Orioles, Tanagers, and Allies*, by Arthur Cleveland Bent. ix+549 pages, 37 plates. 27 February 1958.
212. *Checklist of the Millipeds of North America*, by Ralph V. Chamberlin and Richard L. Hoffman. iii+236 pages. 26 September 1958.
213. *Automobiles and Motorcycles in the U. S. National Museum*, by Smith Hempstone Oliver. 157 pages, 103 figures, frontispiece. 25 June 1957.
214. *Review of the Parrotfishes, Family Scaridae*, by Leonard P. Schultz. v+143 pages, 31 figures, 27 plates. 16 September 1958.
215. *Studies in Foraminifera*, by Alfred R. Loeblich, Jr., and collaborators. vi+323 pages. 30 December 1957.
216. *Ichneumon-flies of America North of Mexico*, part 1: *Subfamily Metopiinae*, by Henry and Marjorie Townes. ix+318 pages, 196 figures. 6 March 1959.
216. *Ichneumon-flies of America North of Mexico*, part 2: *Subfamilies Ephialtinae, Xoridinae, and Acaenitinae*, by Henry and Marjorie Townes and collaborators: G. Stuart Walley, Luella Walkley, Dale Habeck, and George Townes. vii+676 pages, 378 figures. 24 June 1960.
216. *Ichneumon-flies of America North of Mexico*, part 3: *Subfamily Gelinae, Tribe Mesostenini*, by Henry and Marjorie Townes. viii+602 pages, 400 figures. 13 March 1962.
217. *Birds of Anaktuvuk Pass, Kobuk, and Old Crow*, by Laurence Irving. viii+409 pages, 13 plates, 36 figures. 22 March 1960.
218. *Contributions from the Museum of History and Technology: Papers 1–11*. v+201 pages, 124 figures. 16 November 1959 [publication date for all eleven papers].
1. "The Scholfield Wool-carding Machines," by Grace L. Rogers. Pages 1–14, 10 figures.
  2. "John Deere's Steel Plow," by Edward C. Kendall. Pages 15–26, 10 figures.
  3. "The Beginnings of Cheap Steel," by Philip W. Bishop. Pages 27–48, 2 figures.
  4. "The Auburndale Watch Company," by Edwin A. Battison. Pages 49–68, 22 figures.
  5. "Development of the Phonograph at Alexander Graham Bell's Volta Laboratory," by Leslie J. Newville. Pages 69–80, 8 figures.
  6. "On the Origin of Clockwork, Perpetual Motion Devices, and the Compass," by Derek J. de Solla Price. Pages 81–112, 22 figures.
  7. "Mine Pumping in Agricola's Time and Later," by Robert P. Multhauf. Pages 113–120, 8 figures.



8. "The Natural Philosophy of William Gilbert and His Predecessors," by W. James King. Pages 121–140, 1 figure.
9. "Conestoga Wagons in Braddock's Campaign, 1755," by Don H. Berkebile. Pages 141–154, 10 figures.
10. "Old English Patent Medicines in America," by George B. Griffenhagen and James Harvey Young. Pages 155–184, 16 figures.
11. "Why Bewick Succeeded: A Note in the History of Wood Engraving," by Jacob Kainen. Pages 185–201, 15 figures.
219. *The National Watercraft Collection*, by Howard I. Chapelle. xi+327 pages, 204 figures. 23 November 1960.
220. *Type Specimens of Reptiles and Amphibians in the U.S. National Museum*, by Doris M. Cochran. xv+291 pages. 4 April 1961.
221. *Type Specimens of Birds in the United States National Museum*, by Herbert G. Deignan. x+718 pages. 17 March 1961.
222. *John Baptist Jackson: 18th-century Master of the Color Woodcut*, by Jacob Kainen. xii+183 pages, 101 illustrations (12 color). 1 June 1962.
223. *The Parasitic Weaverbirds*, by Herbert Friedmann. viii+196 pages, 3 figures, 16 plates (4 color). 30 December 1960.
224. *Robber Flies of the World: The Genera of the Family Asilidae*, by Frank M. Hull. Part 1: x+430 pages; part 2: v+431–907 pages. 25 June 1962.
225. *Contributions from the Museum of History and Technology: Papers 12–18 on History*.
  12. "Hermann Stieffel, Soldier-artist of the West," by Edgar M. Howell. Pages 1–16, 11 figures. 8 July 1960.
  13. "North Devon Pottery and Its Export to America in the 17th Century," by C. Malcolm Watkins. Pages 17–60, 36 figures (1 color). 30 December 1960.
  14. "Tea Drinking in 18th-century America: Its Etiquette and Equipage," by Rodris Roth. Pages 61–91, 22 figures, 1 color plate. 30 January 1961.
  15. "Italian Harpsichord-building in the 16th and 17th Centuries," by John. D. Shortridge. Pages 93–107, 12 figures. 15 December 1960.
  16. "Drug Supplies in the American Revolution," by George B. Griffenhagen. Pages 109–133, 4 figures. 9 March 1961.
  17. "The Effect of Bacon's Rebellion on Government in England and Virginia," by Wilcomb E. Washburn. Pages 135–152, 8 figures. 16 February 1962.
  18. "Excavations at Rosewell in Gloucester County, Virginia, 1957–1959," by Ivor Noël Hume. Pages 153–229, 38 figures. 24 May 1962.
226. *Checklist of the Birds of Thailand*, by Herbert G. Deignan. x+263 pages, 1 figure. 31 December 1963.
227. *Marine Polychaete Worms of the New England Region*, part 1: *Families Aphroditidae through Trochochaetidae*, by Marian H. Pettibone. v+356 pages, 83 figures. 5 November 1963.

228. *Contributions from the Museum of History and Technology: Papers 19-30 on Science and Technology.*
19. "Elevator Systems of the Eiffel Tower, 1889," by Robert M. Vogel. Pages 1-40, 41 figures. 21 February 1961.
  20. "John Ericsson and the Age of Caloric," by Eugene S. Ferguson. Pages 41-60, 11 figures. 25 January 1961.
  21. "The Pioneer Steamship *Savannah*: A Study for a Scale Model," by Howard I. Chapelle. Pages 61-80, 9 figures. 15 September 1961.
  22. "Drawings and Pharmacy in al-Zahrawi's 10th-century Surgical Treatise," by Sami Hamarneh. Pages 81-94, 21 figures. 10 October 1961.
  23. "The Introduction of Self-registering Meteorological Instruments," by Robert P. Multhauf. Pages 95-116, 16 figures. 6 September 1961.
  24. "Introduction of the Locomotive Safety Truck," by John H. White. Pages 117-131, 12 figures. 5 September 1961.
  25. "The Migrations of an American Boat Type," by Howard I. Chapelle. Pages 133-154, 20 figures. 6 November 1961.
  26. "Holcomb, Fitz, and Peate: Three 19th-century American Telescope Makers," by Robert P. Multhauf, Amasa Holcomb, Louise Fitz Howell, F. W. Preston, and William J. McGrath, Jr. Pages 155-184, 15 figures. 15 January 1962.
  27. "Kinematics of Mechanisms from the Time of Watt," by Eugene S. Ferguson. Pages 185-230, 46 figures. 14 February 1962.
  28. "The Development of Electrical Technology in the 19th Century: 1. The Electrochemical Cell and the Electromagnet," by W. James King. Pages 231-271, 71 figures. 15 January 1962.
  29. "The Development of Electrical Technology in the 19th Century: 2. The Telegraph and the Telephone," by W. James King. Pages 273-332, 80 figures. 17 September 1962.
  30. "The Development of Electrical Technology in the 19th Century: 3. The Early Arc Light and Generator," by W. James King. Pages 333-407, 92 figures. 17 September 1962.
229. *Contributions from the Museum of History and Technology: Papers 31-33 on Numismatics [paged separately].*
31. "History of the National Numismatic Collections," by Vladimir Clain-Stefanelli. 108 pages, 140 figures. 16 April 1969.
  32. "Numismatics: An Ancient Science—A Survey of Its History," by Elvira Eliza Clain-Stefanelli. 102 pages, 47 figures. 30 December 1965.
  33. "Italian Coin Engravers Since 1800," by Elvira Eliza Clain-Stefanelli. 68 pages, 138 figures. 13 December 1965.
230. *The Bark Canoes and Skin Boats of North America*, by Edwin Tappan Adney and Howard I. Chapelle. xiv+242 pages, 224 figures. 8 September 1964.
231. *Early American Scientific Instruments and Their Makers*, by Silvio A. Bedini. xii+184 pages, 86 figures. 14 August 1964.

232. *The Lithographs of Childe Hassam: A Catalog*, by Fuller Griffith. vii+66 pages, 45 figures. 29 June 1962.
233. *Host Relations of the Parasitic Cowbirds*, by Herbert Friedmann. ix+276 pages. 13 June 1963.
234. *Cephalopods of the Philippine Islands*, by Gilbert L. Voss. v+180 pages, 4 plates, 36 figures. 27 August 1963.
235. *American Military Insignia, 1800–1851*, by J. Duncan Campbell and Edgar M. Howell. xv+124 pages, 277 figures. 27 June 1963.
236. *Free-living Copepoda from Ifaluk Atoll in the Caroline Islands with Notes on Related Species*, by Willem Vervoort. ix+431 pages, 151 figures. 30 June 1964.
- 237, parts 1–3. *Life Histories of North American Cardinals, Grosbeaks, Buntings, Towhees, Finches, Sparrows, and Allies*, by Arthur Cleveland Bent and collaborators, compiled and edited by Oliver L. Austin, Jr. xxvii+xi+viii+1,889 pages, 78 plates, 3 color frontispieces. 4 June 1968.
238. *Early Engineering Reminiscences (1815–40) of George Escol Sellers*, edited by Eugene S. Ferguson. xix+203 pages, 84 figures. 15 February 1965.
239. *The Recent Mollusca of Augustus Addison Gould*, by Richard I. Johnson. v+182 pages, 45 plates. 28 July 1964.
240. *Contributions from the Museum of History and Technology: Papers 34–44 on Science and Technology.*
34. “The 1893 Duryea Automobile,” by Don H. Berkebile. Pages 1–28, 30 figures. 13 October 1964.
35. “The Borghesi Astronomical Clock,” by Silvio A. Bedini. Pages 29–76, 35 figures. 13 November 1964.
36. “The Engineering Contributions of Wendel Bollman,” by Robert M. Vogel. Pages 77–104, 24 figures. 13 November 1964.
37. “Screw-thread Cutting by the Master-screw Method Since 1480,” by Edwin A. Battison. 105–120 pages, 23 figures. 29 October 1964.
38. “The Earliest Electromagnetic Instruments,” by Robert A. Chipman. Pages 121–136, 8 figures. 13 November 1964.
39. “Fulton’s ‘Steam Battery’: Blockship and Catamaran,” by Howard I. Chapelle. Pages 137–176, 20 figures. 24 November 1964.
40. “History of Phosphorus,” by Eduard Farber. Pages 177–200, 23 figures. 8 March 1965.
41. “Tunnel Engineering—A Museum Treatment,” by Robert M. Vogel. Pages 201–240, 44 figures. 29 October 1964.
42. “The *Pioneer*: Light Passenger Locomotive of 1851 in the Museum of History and Technology,” by John H. White. Pages 241–268, 30 figures. 17 November 1964.
43. “History of the Division of Medical Sciences,” by Sami Hamarneh. Pages 269–300, 24 figures. 24 November 1964.
44. “Development of Gravity Pendulums in the 19th Century,” by Victor F. Lenzen and Robert P. Multhauf. Pages 301–348, 34 figures. 14 May 1965.

241. *Contributions from the Museum of History and Technology: Papers 45-51 on History.*
45. "Political Campaign Torches," by Herbert R. Collins. Pages 1-44, 95 figures. 22 December 1964.
  46. "Bryan the Campaigner," by Keith Melder. Pages 45-80, 19 figures. 6 May 1965.
  47. "Presentation Pieces in the Museum of History and Technology," by Margaret Brown Klapthor. Pages 81-108, 22 figures. 20 September 1965.
  48. "United States Patents, 1790 to 1870: New Uses for Old Ideas," by Peter C. Welsh. Pages 109-152, 57 figures. 5 May 1965.
  49. "Benjamin Latrobe and Dolley Madison Decorate the White House, 1809-1811," by Margaret Brown Klapthor. Pages 153-164, 10 figures. 3 November 1965.
  50. "Red Cross Ambulance of 1898 in the Museum of History and Technology," by Herbert R. Collins. Pages 165-176, 8 figures. 14 April 1965.
  51. "Woodworking Tools, 1600-1900," by Peter C. Welsh. Pages 177-227, 66 figures. 7 June 1966.
242. *Tanning in the United States to 1850: A Brief History*, by Peter C. Welsh. ix+99 pages, 28 figures. 21 December 1964.
243. *Lacebugs of the World: A Catalog (Hemiptera: Tingidae)*, by Carl J. Drake and Florence A. Ruhoff. viii+634 pages, 57 plates, 6 figures. 8 March 1965.
244. *Bagworm Moths of the Western Hemisphere (Lepidoptera: Psychidae)*, by Donald R. Davis. v+233 pages, 12 maps, 385 figures. 1 June 1964.
245. *Cincinnati Locomotive Builders, 1845-1868*, by John H. White. 167 pages, 56 figures. 30 December 1965.
246. *Catalog of Living Whales*, by Philip Hershkovitz. 259 pages. 28 February 1966.
- 247, parts 1 and 2. *Fossil Marine Mammals from the Miocene Calvert Formation of Maryland and Virginia*, by Remington Kellogg. 63 pages, 32 plates, 31 figures. 15 October 1965.
- 247, parts 3 and 4. *Fossil Marine Mammals from the Miocene Calvert Formation of Maryland and Virginia*, by Remington Kellogg. Pages iv+65-101, figures 32-38, plates 33-45. 28 November 1966.
- 247, parts 5-8. *Fossil Marine Mammals from the Miocene Calvert Formation of Maryland and Virginia*, by Remington Kellogg. Pages 103-201, figures 39-98. 12 June 1968.
248. *Carriker on Mallophaga: Posthumous Papers, Catalog of Forms Described as New, and Bibliography*, by Melbourne A. Carriker, Jr., edited by K. C. Emerson. xi+150 pages, 100 figures, frontispiece. 20 September 1967.
249. *Contributions from the Museum of History and Technology: Papers 52-54 on Archeology.*

52. "Excavations at Clay Bank in Gloucester County, Virginia, 1962-1963," by Ivor Noël Hume. Pages 1-28, 16 figures. 18 January 1966.
53. "Excavations at Tutter's Neck in James City County, Virginia, 1960-1961," by Ivor Noël Hume. Pages 29-72, 20 figures. 3 June 1966.
54. "The 'Poor Potter' of Yorktown," by C. Malcolm Watkins and Ivor Noël Hume. Pages 73-111, 20 figures. 12 October 1967.
- 55-58. [No papers assigned to these numbers. *Bulletin* 249 terminated with paper 54.]
250. *Contributions from the Museum of History and Technology: Papers 59-64 on History.*
59. "Floor Coverings in 18th-Century America," by Rodris Roth. Pages 1-64, 28 figures. 2 August 1967.
60. "Origin and Early History of the Fashion Plate," by John L. Nevinson. Pages 65-92, 34 figures. 2 August 1967.
61. "Rembrandt's Etching Technique: An Example," by Peter Morse. Pages 93-108, 16 figures. 4 May 1966.
62. "White House China of the Lincoln Administration," by Margaret Brown Klapthor. Pages 109-120, 14 figures. 30 August 1967.
63. "The Penitente Moradas of Abiquiú," by Richard E. Ahlborn. Pages 121-168, 55 figures. 11 October 1968.
64. "Women's Bathing and Swimming Costume in the United States," by Claudia B. Kidwell. Pages 1-32 [sic], 18 figures. 29 January 1969.
- 65-68. [No papers assigned to these numbers. *Bulletin* 250 terminated with paper 64.]
251. *Pacific Tunicata of the United States National Museum*, by Takasi Tokioka. v+247 pages, 105 figures. 27 April 1967.
252. *Contributions from the Museum of History and Technology: Papers 69-72 on Technology.*
69. "James Millholland and Early Railroad Engineering," by John H. White. Pages 1-36, 29 figures. 21 June 1967.
70. "William Gunn Price and the Price Current Meters," by Arthur H. Frazier. Pages 37-68, 39 figures. 29 March 1967.
71. "Sir William Congreve and His Compound-Plate Printing," by Elizabeth M. Harris. Pages 69-88, 22 figures, 14 color plates. 3 November 1967.
72. "Anthracite in the Lehigh Valley of Pennsylvania," by John N. Hoffman. Pages 89-142, 23 figures. 3 July 1968.
253. *The Cultural History of Marlborough, Virginia*, by C. Malcolm Watkins. viii+224 pages, 91 figures, 89 line drawings. 24 October 1968.
254. *The Invention of the Sewing Machine*, by Grace Rogers Cooper. viii+156 pages, 137 figures. 2 July 1968.
255. *A Revision of the Moths of the Subfamily Prodoxinae (Lepidoptera: Incurvariidae)*, by Donald R. Davis. iv+170 pages, 155 figures, 3 tables, 17 maps, 3 diagrams. 18 April 1967.

256. *Cactus-feeding Insects and Mites*, by John Mann. xii+158 pages, 8 plates. 28 February 1969.
257. *Microlepidoptera of the Philippine Islands*, by A. Diakonoff. 484 pages, 846 figures. 31 January 1968.
258. *Gammaridean Amphipoda of the Rocky Intertidal of California: Monterey Bay to La Jolla*, by J. Laurens Barnard. x+230 pages, 65 figures. 14 May 1969.
259. *Systematics, Speciation, and Distribution of the Subterranean Amphipod Genus Stygonectes (Gammaridae)*, by John R. Holsinger. 176 pages, 36 figures, 6 tables. 14 July 1967.
260. *Bathyal and Abyssal Gammaridean Amphipoda of Cedros Trench, Baja California*, by J. Laurens Barnard. 205 pages, 92 figures. 17 October 1967.
261. *Taxonomic Study of the Cicadellinae (Homoptera: Cicadellidae)*, part 1: *Proconiini*, by David A. Young. vii+287 pages, 261 figures. 25 July 1968.
262. *Catalog of the Type Specimens of Invertebrate Fossils*, by Louis Purnell. iv+198 pages. 5 April 1968.
263. *Fruit Flies of the Ryukyu Islands*, by Tokuichi Shiraki. 104 pages, 35 plates. 17 April 1968.
264. *Catalog of Recent Echinoid Type Specimens in the U.S. National Museum, Smithsonian Institution, and the Museum of Comparative Zoology, Harvard University*, by Maureen E. Downey. vi+99 pages. 5 April 1968.
265. *The Evolutionary History of the Avian Genus Chrysococcyx*, by Herbert Friedmann. viii+137 pages. 17 May 1968.
266. *A Checklist of the Millipeds of Mexico and Central America*, by H. F. Loomis. v+137 pages. 24 October 1968.
267. *Bibliography and Index to Scientific Contributions of Carl J. Drake for the Years 1914–1967*, by Florence A. Ruhoff. viii+81 pages. 28 March 1968.
268. *A Revision of the Genus Eucerceris Cresson (Hymenoptera: Sphecidae)*, by Herman A. Scullen. 97 pages, 98 figures. 17 April 1968.
269. *Catalog of United States Army Uniforms in the Collection of the Smithsonian Institution*, volume 1: *United States Army Headgear to 1854*, by Edgar M. Howell and Donald E. Kloster. xii+75 pages, 54 figures. 9 May 1969.
270. *The Types of Proctotrupoidea (Hymenoptera) in the United States National Museum*, by Lubomir Masner and Carl F. W. Muesebeck. iv+143 pages. 17 May 1968.
271. *The Families and Genera of Marine Gammaridean Amphipoda*, by J. Laurens Barnard. 535 pages, 173 figures. 14 May 1969.
272. *Comprehensive Revision of a Worldwide Collection of Freshwater Sponges (Porifera: Spongillidae)*, by J. T. Penney and A. A. Racek. v+184 pages, 15 plates. 24 September 1968.
273. *The Muscular System of the Red Howling Monkey*, by Miguel A. Schön. vi+185 pages, 49 figures, 5 tables. 12 August 1968.

274. *Alvan Clark & Sons: Artists in Optics*, by Deborah Jean Warner. vi+120 pages, 28 figures. 13 November 1968.
275. *The Rodents of Libya: Taxonomy, Ecology, and Zoogeographical Relationships*, by Gary L. Ranck. vii+264 pages, 54 figures, 16 plates. 2 October 1968.
276. *A Revision of the Genus Malacosoma Hübner in North America (Lepidoptera: Lasiocampidae): Systematics, Biology, Immatures, and Parasites*, by Frederick W. Stehr and Edwin F. Cook. vi+321 pages, 399 figures. 30 December 1968.
277. *A Revision of the Scenopinidae (Diptera) of the World*, by L. P. Kelsey. v+336 pages, 208 figures. 31 December 1969.
278. *The Caprellidae (Crustacea: Amphipoda) of the Western North Atlantic*, by John C. McCain. vi+147 pages. 28 June 1968.
279. *Larval Taxonomy of the Troginae in North America with Notes on Biologies and Histories (Coleoptera: Scarabaeidae)*, by Charles W. Baker. v+79 pages, 59 figures. 16 December 1968.
280. *A Revision of the Peoriinae and Anerastiinae (Auctorum) of America North of Mexico (Lepidoptera: Pyralidae)*, by Jay C. Shaffer. vi+124 pages, 178 figures, 12 maps. 27 November 1968.
281. *Natural Dyes in the United States*, by Rita J. Adrosko. vii+160 pages, 11 figures (1 color), frontispiece (color). 25 November 1968.
282. *A Revision of the Catfish Genus Noturus Rafinesque with an Analysis of Higher Groups in the Ictaluridae*, by William Ralph Taylor. vi+315 pages, 5 figures, 21 plates, 14 maps, 28 tables. 31 December 1969.
283. *Revision of the Oriental Species of Stilobezzia Kieffer (Diptera, Ceratopogonidae)*, by Sujit Kumar Das Gupta and Willis W. Wirth. iv+149 pages, 99 figures, 1 table. 28 August 1968.
284. *Osteology and Classification of the Fishes of the Family Blenniidae*, by Victor G. Springer. 85 pages, 16 figures, 11 plates. 10 September 1968.
285. *Two FORTRAN II Programs for the Univariate and Bivariate Analysis of Morphometric Data*, by Thomas R. Waller. vi+55 pages, 2 figures. 3 April 1969.
286. *Bee Flies of the World: The Genera of the Family Bombyliidae*, by Frank M. Hull. [In preparation.]
287. *The Zoological Taxa of William Healey Dall*, by Kenneth J. Boss, Joseph Rosewater, and Florence A. Ruhoff. vi+427 pages, 25 November 1968.
288. *Frogs of Colombia*, by Doris M. Cochran and Coleman J. Goin. xii+655 pages, 55 figures, 68 plates. 6 July 1970.
289. *A Revision of the American Moths of the Family Carposinidae (Lepidoptera: Carposinoidea)*, by Donald R. Davis. v+105 pages, 122 figures, 10 maps. 11 March 1969.
290. *A Review of the Genus Cryptocephalus in America North of Mexico (Chrysomelidae: Coleoptera)*, by Richard E. White. iv+124 pages, 140 figures. 31 January 1969.

291. *Systematics and Zoogeography of the Worldwide Bathypelagic Squid Bathyteuthis (Cephalopoda: Oegopsida)*, by Clyde F. E. Roper. v+210 pages, 74 figures, 12 plates, 20 tables. 1 August 1969.
292. *Bredin-Archbold-Smithsonian Biological Survey of Dominica: The Fresh-water and Terrestrial Decapod Crustaceans of the West Indies with Special Reference to Dominica*, by Fenner A. Chace, Jr., and Horton H. Hobbs, Jr. 258 pages, 76 figures, 5 plates. 14 May 1969.
293. *Catalog of Recent Ophiuroid Type Specimens in Major Collections in the United States*, by Maureen E. Downey. vi+239 pages. 6 November 1969.
294. *Cetothere Skeletons from the Miocene Choptank Formation of Maryland and Virginia*, by Remington Kellogg. vii+40 pages, 2 figures, 25 plates, 23 tables. 14 May 1969.
295. *Revision of Recent Bairdiidae (Ostracoda)*, by Rosalie F. Maddocks. iv+126 pages, 63 figures, 1 plate, 2 tables. 18 August 1969.
296. *The Burrowing Barnacles (Cirripedia: Order Acrothoracica)*, by Jack T. Tomlinson. v+162 pages, 45 figures, 3 tables. 25 November 1969.
297. *Catalogue of the Neotropical Squamata, part II: Lizards and Amphisbaenians*, by James A. Peters and Roberto Donoso-Barros. viii+293 pages, 104 figures. 24 February 1970.
- 298 [final volume of series]. *Publications of the United States National Museum (1947-1970)*. 1971.



CONTRIBUTIONS FROM THE UNITED STATES  
NATIONAL HERBARIUM

Volume 29

- Systematic Plant Studies*. Title page and table of contents. Pages i–vi. 15 November 1957.
- Part 3. "The American Species of *Hymenophyllum*, Section *Sphaerocionium*," by C. V. Morton. Pages i–viii+139–201. 16 April 1947.
- Part 4. "The Awnless Annual Species of *Muhlenbergia*," by Jason R. Swallen. Pages i–ii+203–208. 24 November 1947.
- Part 5. "A Revision of *Macroparpea*, a Neotropical Genus of Shrubby Gentians," by Joseph Ewan. Pages i–vii+209–249, plates 1–5. 23 August 1948.
- Part 6. "New Grasses from Honduras, Colombia, Venezuela, Ecuador, Bolivia, and Brazil," by Jason R. Swallen. Pages i–iii+251–276. 18 February 1949.
- Part 7. "Studies in the Bromeliaceae, XV," by Lyman B. Smith. Pages i–viii+277–316, figures 2–36. 28 December 1949.
- Part 8. "Studies of South American Plants, XII," by A. C. Smith. Pages i–viii+317–393. 23 January 1950.
- Part 9. "New Grasses from Mexico, Central America, and Surinam," by Jason R. Swallen. Pages i–v+395–428. 7 March 1950.
- Part 10. "Studies in the Bromeliaceae, XVI," by Lyman B. Smith. Pages i–viii+429–520, figures 37–76. 20 June 1951.
- Part 11. "Studies in the Bromeliaceae, XVII," by Lyman B. Smith. Pages i–vi+521–543, figures 77–94. 19 February 1954.
- Part 12. "Notes on Some Brazilian and Other Leguminosae," by Arturo Burkhart. Pages 545–551. 15 November 1957.

Volume 30

- Studies of Pacific Island Plants*. Title page and table of contents. Pages i–v. 15 November 1957.
- Part 1. "A Botanical Bibliography of the Islands of the Pacific," by Elmer D. Merrill. Pages 1–322. "A Subject Index to Elmer D. Merrill's 'A Botanical Bibliography of the Islands of the Pacific,'" by Egbert H. Walker. Pages 323–404. 25 February 1947.
- Part 2. "Observations on the Grass Flora of Certain Pacific Islands," by L. T. Burcham. Pages i–vii+405–447, 4 figures, 7 plates. 10 March 1948.

- Part 3. "Additional Phanerogams in the Flora of Guam, with Notes on Unverified Records," by Egbert H. Walker and Robert Rodin. Pages i-vi+449-468, plates 8-9. 25 August 1949.
- Part 4. "Studies of Pacific Island Plants, X: The Meliaceae of Fiji, Samoa, and Tonga," by A. C. Smith. Pages i-iii+469-522. 6 May 1952.
- Part 5. "Studies of Pacific Island Plants, XV: The Genus *Elaeocarpus* in the New Hebrides, Fiji, Samoa, and Tonga," by A. C. Smith. Pages i-v+523-575. 8 May 1953.

### Volume 31

- The Acanthaceae of Colombia.* Title page and table of contents. Pages i-v+4 February 1958.
- Part 1. "The Acanthaceae of Colombia, I," by Emery C. Leonard. Pages i-vi+1-117, figures 1-40. 8 June 1951.
- Part 2. "The Acanthaceae of Colombia, II," by Emery C. Leonard. Pages i-viii+119-322, figures 41-118. 10 November 1953.
- Part 3. "The Acanthaceae of Colombia, III," by Emery C. Leonard. Pages x+323-781, figures 119-274. 4 February 1958.

### Volume 32

- Leguminosae.* Title page and table of contents. Pages i-iv. 2 October 1970.
- Part 1. "The American Species of *Aeschynomene*," by Velva E. Rudd. iii+172 pages, 10 figures. 13 October 1955.
- Part 2. "A Revision of the Genus *Nissolia*," by Velva E. Rudd. Pages iii+173-206, 3 figures. 7 November 1956.
- Part 3. "A Revision of the Genus *Chaetocalyx*," by Velva E. Rudd. Pages iii+207-245, 13 figures. 6 February 1958.
- Part 4. "The Genus *Dussia* (Leguminosae)," by Velva E. Rudd. Pages iii+247-277, 11 figures. 4 November 1963.
- Part 5. "The American Species of *Ormosia* (Leguminosae)," by Velva E. Rudd. Pages 279-384, 6 plates, 15 figures. 17 September 1965.
- Part 6. "A Résumé of *Ateleia* and *Cyathostegia* (Leguminosae)," by Velva E. Rudd. Pages iii+385-411, 9 plates, 1 figure. 10 April 1968.

### Volume 33

- [Whole volume.] *The Bromeliaceae of Colombia*, by Lyman B. Smith. Pages i-v+311, 88 figures. 24 December 1957.

### Volume 34

- Systematic Plant Studies.* Title page and table of contents. Pages i-iv. 2 October 1970.

- Part 1. "Diagnostic Characteristics of the Fruits and Florets of Economic Species of North American *Sporobolus*," by Vera Lyola Colbry. Pages iii+24, 2 figures, 4 plates. 17 December 1957.
- Part 2. "The Woods and Flora of the Florida Keys: Capparaceae," by William L. Stern, George K. Brizicky, and Francisco N. Tamolang. Pages 25-43, 7 plates. 4 November 1963.
- Part 3. "Systematic Anatomy and Ontogeny of the Stem in Passifloraceae," by Edward S. Ayensu and William L. Stern. Pages 45-74, 12 plates. 21 August 1964.
- Part 4. "Taxonomic Study of Subgenus *Podosemum* and Section *Epicampes* of *Muhlenbergia* (Gramineae)," by Thomas R. Soderstrom. Pages 75-189, 14 plates, 9 figures. 19 July 1967.
- Part 5. "The Genus *Melochia* L. (Sterculiaceae)," by Aaron Goldberg. Pages 191-363, 9 plates, 7 figures. 31 August 1967.
- Part 6. "Mexican 'Cacalioid' Genera Allied to *Senecio* (Compositae)," by Richard W. Pippin. Pages 365-447, 10 plates, 4 figures. 17 May 1968.
- Part 7. "The Lichen Genera *Cetrelia* and *Platismatia* (Parmeliaceae)," by William Louis Culberson and Chicita F. Culberson. Pages i-iv+449-558, 25 plates, 31 figures. 10 July 1968.

### Volume 35

- Systematic Plant Studies*. Title page and table of contents. Pages i-iv. 2 October 1970.
- Part 1. "Supplemental Notes on the American Species of Passifloraceae with Descriptions of New Species," by Ellsworth P. Killip. ii+23 pages, 11 plates. 10 May 1960.
- Part 2. "A Taxonomic Revision of the Humiriaceae," by José Cuatrecasas. Pages iii+25-214, 38 figures, 24 plates. 14 April 1961.
- Part 3. "Origins of the Flora of Southern Brazil," by Lyman B. Smith. Pages viii+215-249, 42 figures, 4 plates. 19 March 1962.
- Part 4. "A Synopsis of the American Velloziaceae," by Lyman B. Smith. Pages 251-292, 12 plates. 19 March 1962.
- Part 5. "Synopsis of the South American Species of *Vismia* (Guttiferae)," by Joseph Ewan. Pages 293-377, 7 plates. 5 June 1962.
- Part 6. "Cacao and Its Allies, a Taxonomic Revision of the Genus *Theobroma*," by José Cuatrecasas. Pages 379-614, 12 plates, 44 figures. 21 August 1964.

### Volume 36

- Lichens/Algae*. Title page and table of contents. Pages i-iv. 2 October 1970.
- Part 1. "A Revision of the South American Species of *Parmelia* Determined by Lynge," by Mason E. Hale, Jr. 41 pages, 5 plates. 18 May 1960.

- Part 2. "Marine Algae from the Tropical Atlantic Ocean, V: Algae from the Lesser Antilles," by William Randolph Taylor. Pages 43–62, 4 plates. 31 January 1962.
- Part 3. "The Lichen Family Graphidaceae in Mexico," by Michael Wirth and Mason E. Hale, Jr. Pages 63–119, 82 figures. 6 December 1963.
- Part 4. "Studies on *Parmelia* subgenus *Parmelia*," by Mason E. Hale, Jr., and Syo Kurokawa. Pages 121–192, 9 plates, 1 figure. 26 August 1964.
- Part 5. "A Monograph of *Parmelia* Subgenus *Amphigymnia*" by Mason E. Hale, Jr. Pages 193–358, 16 plates, 29 figures. 8 April 1965.

### Volume 37

- Systematic Plant Studies*. Title page and table of contents. Pages i–iv. 24 April 1969.
- Part 1. "Studies of Pacific Island Plants, XVII: The Genus *Geniostoma* (Loganiaceae) in the New Hebrides, Fiji, Samoa, and Tonga," by Albert C. Smith and Benjamin C. Stone. Pages 1–41, 3 plates. 5 January 1962.
- Part 2. "Mosses of the Eastern Highlands, New Guinea, from the 6th Archbold Expedition, 1959," by Edwin B. Bartram. Pages 43–67. 21 September 1965.
- Part 3. "Studies of Pacific Island Plants, XVIII: New and Noteworthy Flowering Plants from Fiji," by Albert C. Smith. Pages 69–106. 4 May 1967.
- Part 4. "The Genus *Cyrtandra* in Fiji," by George W. Gillett. Pages 107–159. 6 February 1968.
- Part 5. "A Revision of the Genus *Camissonia* (Onagraceae)," by Peter H. Raven. Pages 161–396, 81 figures, frontispiece. 5 February 1969.
- Part 6. "Bredin-Archbold-Smithsonian Biological Survey of Dominica: *Myxomycetes* from Dominica," by Marie L. Farr. Pages 397–440, 5 figures. 31 January 1969.

### Volume 38

#### [FINAL VOLUME OF SERIES]

- Ferns*. Title page and table of contents. Pages i–iv.
- Part 1. "A Revision of *Trichantha* (Gesneriaceae)," by Conrad V. Morton. Pages 1–27. 9 October 1963.
- Part 2. "Studies of Fern Types, I," by C. V. Morton. Pages 29–83. 31 August 1967.
- Part 3. "The Genus *Grammitis* in Ecuador," by C. V. Morton. Pages 85–123, 4 plates. 17 October 1967.
- Part 4. "The Peruvian Species of *Besleria* (Gesneriaceae)," by C. V. Morton. Pages 125–151. 28 March 1968.
- Part 5. "The Genera, Subgenera, and Sections of the Hymemophyllaceae," by C. V. Morton. Pages 153–214. 12 June 1968.
- Part 6. "Studies of Fern Types, II," by C. V. Morton. [In preparation.]

Part 7. "William Roxburgh, His Life, Collections, and Fern Types," by C. V. Morton. [In preparation.]

Part 8. "The American Species of Gleicheniaceae," by C. V. Morton. [In preparation.]

PROCEEDINGS OF THE UNITED STATES  
NATIONAL MUSEUM

Volume 96

- Title page, table of contents, list of illustrations, and index. Pages i–vii, 553–572. 18 March 1948.
3205. "The Phorid Flies of Guam," by G. E. Bohart. Pages 397–416, figures 33–48. 17 February 1947.
3206. "A Generic Revision of the Ichneumon-flies of the Tribe Ophionini," by R. A. Cushman. Pages 417–482, plates 49–56. 17 July 1947.
3207. "Review of the Weevils of the Tribe Ophryastini of America North of Mexico," by Alonzo G. Davis. Pages 483–551, figures 49–77. 8 July 1947.

Volume 97

- Title page, table of contents, list of illustrations, and index. Pages i–vii, 571–601. 26 January 1950.
3208. "Mammals of Northern Colombia, Preliminary Report No. 1: Squirrels (Sciuridae)," by Philip Hershkovitz. Pages 1–46, 1 figure. 25 August 1947.
3209. "New Cerambycid Beetles Belonging to the Tribe Rhinotragini," by W. S. Fisher. Pages 47–57. 6 June 1947.
3210. "Studies on the Firefly, IV: Ten New Lampyrids from Jamaica," by John B. Buck. Pages 59–79, plates 1–3. 14 August 1947.
3211. "A New Genus and Species of Deep-sea Fish of the Family Myctophidae from the Philippine Islands," by Robert R. Miller. Pages 81–90, figure 2. 18 July 1947.
3212. "A Review of the Larvaevorid Flies of the Tribe Leskiini with the Setulose First Vein ( $R_1$ )," by Maurice T. James. Pages 91–115, figure 3. 29 August 1947.
3213. "The Staphylinid Beetles of the Cayman Islands," by Richard E. Blackwelder. Pages 117–123. 31 October 1947.
3214. "Mammals of Northern Colombia, Preliminary Report No. 2: Spiny Rats (Echimyidae), with Supplemental Notes on Related Forms," by Philip Hershkovitz. Pages 125–140. 6 January 1948.
3215. "A Synopsis of the Larvaevorid Flies of the Genus *Eudejeania*," by Curtis W. Sabrosky. Pages 141–156. 20 November 1947.
3216. "The Pycnogonida of the Western North Atlantic and the Caribbean," by Joel W. Hedgpeth. Pages 157–342, figures 4–53, 3 charts. 8 March 1948.
3217. "Notes on Some Assassin Bugs of the Genus *Zelurus* from the Collections of the United States National Museum," by Herman Lent and Petr Wygodzinsky. Pages 343–349, plates 4–7. 4 December 1947.

3218. "New Genera and Species of Echiuroid and Sipunculoid Worms," by Walter Kenrick Fisher. Pages 351–372, plates 8–15, figure 54. 19 December 1947.
3219. "Birds Collected by the National Geographic Society's Expeditions to Northern Brazil and Southern Venezuela," by Herbert Friedmann. Pages 373–570, plates 16–27. 9 April 1948.

## Volume 98

- Title page, table of contents, list of illustrations, and index. Pages i–xi, 523–553. 17 April 1951.
3220. "A Revision of Six Subfamilies of Atherine Fishes, with Descriptions of New Genera and Species," by Leonard P. Schultz. Pages 1–48, plates 1 and 2, figures 1–9. 24 March 1948.
3221. "Mammals of Northern Colombia, Preliminary Report No. 3: Water Rats (Genus *Nectomys*), with Supplemental Notes on Related Forms," by Philip Hershkovitz. Pages 49–56. 30 June 1948.
3222. "A Potential Snail Host of Oriental Schistosomiasis in North America (*Pomatiopsis lapidaria*)," by R. Tucker Abbott. Pages 57–68, plates 3, 4, figures 10, 11. 2 July 1948.
3223. "Status of the Pyraustid Moths of the Genus *Leucinodes* in the New World, with Descriptions of New Genera and Species," by Hahn W. Capps. Pages 69–83, plates 5–10. 24 June 1948.
3224. "The Serphoid Hymenoptera of the Family Roproniidae," by Henry Townes. Pages 85–89, figure 12. 8 July 1948.
3225. "Parasitic Wasps of the Genus *Trimorus* in North America," by Robert M. Fouts. Pages 91–148, figures 13–15. 19 August 1948.
3226. "New Pemphilid Wasp from Southern Nigeria," by V. S. L. Pate. Pages 149–162, figure 16. 19 October 1948.
3227. "The Butterflies of the Admiralty Islands," by Warren Herbert Wagner, Jr., and David F. Grether. Pages 163–186, plates 11–13. 7 December 1948.
3228. "Flies of the Family Stratiomyidae of the Solomon Islands," by Maurice T. James. Pages 187–213. 9 November 1948.
3229. "Cyprinodont Fishes of the Genus *Fundulus* in the West Indies, with Description of a New Subspecies from Cuba," by Luis René Rivas. Pages 215–222, plate 14. 19 October 1948.
3230. "A New Crayfish of the Genus *Cambarus* from Texas, with Notes on Distribution of *Cambarus fodiens* (Cottle)," by Horton H. Hobbs, Jr. Pages 223–231, figure 17. 16 November 1948.
3231. "Report on the Pycnogonida Collected by the *Albatross* in Japanese Waters in 1900 and 1906," by Joel W. Hedgpeth. Pages 233–321, figures 18–51. 14 March 1949.
3232. "Mammals of Northern Colombia, Preliminary Report No. 4: Monkeys (Primates), with Taxonomic Revisions of Some Forms," by Philip Hershkovitz. Pages 323–427, plates 15–17, figures 52–59. 10 May 1949.

3233. "Bees from Central America, Principally Honduras," by T. D. A. Cockerell. Pages 429-490. 25 May 1949.
3234. "A Generic Revision of the Treehoppers of the Tribe Ceresini in America North of Mexico, Based on a Study of the Male Genitalia," by John S. Caldwell. Pages 491-521, plates 18-23. 10 May 1949.

### Volume 99

Title page, table of contents, list of illustrations, and index. Pages i-viii, 541-573. 7 February 1952.

3235. "A Further Contribution to the Ichthyology of Venezuela," by Leonard P. Schultz. Pages 1-211, plates 1-3, figures 1-20. 10 May 1949.
3236. "The Weevils of the Genus *Tachygonus* in the United States National Museum, with Descriptions of New Species," by Oscar Monte. Pages 213-227, figures 21-32. 25 May 1949.
3237. "The Species of Ichneumon-flies of the Genus *Cardiochiles* Occurring in America North of Mexico," by Ying-Tou Mao. Pages 229-266, plates 4-5. 21 March 1949.
3238. "A Revision of the Mites of the Family Cheyletidae in the United States National Museum," by Edward W. Baker. Pages 267-320, plates 6-17. 14 April 1949.
3239. "A New Species of Copepod of the Genus *Corycaeus* from the North American Coast," by Mildred Stratton Wilson. Pages 321-326, plate 18. 10 June 1949.
3240. "New Buprestid Beetles from Mexico, Central and South America, and the West Indies," by W. S. Fisher. Pages 327-351. 26 April 1949.
3241. "The Pima County (Arizona) Meteorite," by E. P. Henderson and Stuart H. Perry. Pages 353-355, plates 19, 20. 27 April 1949.
3242. "The Linwood (Nebraska) Meteorite," by E. P. Henderson and Stuart H. Perry. Pages 357-360, plates 21-24. 27 April 1949.
3243. "The Nearctic Species of the Family Stephanidae (Hymenoptera)," by Henry Townes. Pages 361-370, plate 25. 10 June 1949.
3244. "Nine New Xystodesmid Millipeds from Virginia and West Virginia, with Records of Established Species," by Richard L. Hoffman. Pages 371-389, plates 26-27. 14 June 1949.
3245. "A Review of the Copepod Genus *Paranthesius* Claus," by Paul L. Illg. Pages 391-428, figures 33-37. 10 May 1949.
3246. "Mammals of Northern Colombia, Preliminary Report No. 5: Bats (Chiroptera)," by Philip Hershkovitz. Pages 429-454, figure 38. 10 May 1949.
3247. "New Species and Records of Staphylinid Beetles from Formosa, Japan, and South China," by Malcolm Cameron. Pages 455-477. 14 June 1949.
3248. "Additions to the Echiuroid Fauna of the North Pacific Ocean," by Walter Kenrick Fisher. Pages 479-497, plates 28-34. 10 August 1949.
3249. "A Remarkable New Species of Trypetid Fly of the Genus *Ceratitis*



- (Sensu Stricto) from East Africa in the Collection of the United States National Museum," by H. K. Munro. Pages 499–501, figure 39. 5 July 1949.
3250. "A New Marine Annelid from Florida," by Olga Hartman. Pages 503–508, figure 40. 4 August 1949.
3251. "A New Species of Apeseudid Crustacean of the Genus *Synapseudes* from Northern California (Tanaidacea)," by Robert J. Menzies. Pages 509–515, figures 41–42. 4 August 1949.
3252. "Redescription of the Shrimp *Bathypalaemonella pandaloides* (Rathbun), with Remarks on the Family Campylonotidae," by L. B. Holthuis. Pages 517–523, figure 43. 25 August 1949.
3253. "The Nearctic Species of Evaniidae (Hymenoptera)," by Henry Townes. Pages 525–539, figure 44. 1 September 1949.

## Volume 100

- Title page, table of contents, list of illustrations, and index. Pages i–viii, 553–584. 23 March 1954.
3254. "On a Collection of Mallophaga from Guam, Marianas Islands," by M. A. Carriker, Jr. Pages 1–24, figures 1–5. 29 November 1949.
3255. "Observations on Flatworms and Nemerteans Collected at Beaufort, N. C.," by A. S. Pearse. Pages 25–38, figures 6–9. 14 October 1949.
3256. "Some Alaskan Syrphid Flies, with Descriptions of New Species," by C. L. Fluke. Pages 39–54, figures 10–11. 11 October 1949.
3257. "Two New Gynandromorphs, with a List of Previously Recorded Sexual Aberrations in the Scoliid Wasps, by Karl V. Krombein. Pages 55–59, plates 1–2. 16 November 1949.
3258. "Fresh-water Ostracoda from Brazil," by Willis L. Tressler. Pages 61–83, figures 12–14. 8 January 1950.
3259. "The Nearctic Species of Gasteruptionidae (Hymenoptera)," by Henry Townes. Pages 85–145, figures 15–16. 18 April 1950.
3260. "Pycnogonida of the United States Navy Antarctic Expedition, 1947–48," by Joel W. Hedgpeth. Pages 147–160, figures 17–19. 23 January 1950.
3261. Copepods from Lake Erh Hai, China," by Sidney C. Hsiao. Pages 161–200, figures 20–30. 26 April 1950.
3262. "Mosquitoes of the Genus *Tripteroides* in the Solomon Islands," by John N. Belkin. Pages 201–274, figures 31–37. 30 March 1950.
3263. "A Revision of the American Clupeid Fishes of the Genus *Harengula*, with Descriptions of Four New Subspecies," by Luis René Rivas. Pages 275–309, plates 3–5, figures 38–41. 28 March 1950.
3264. "Moths of the Genus *Cincia* and Three New and Closely Related Genera," by William D. Field. Pages 311–326, plates 6–9. 10 March 1950.
3265. "Mammals of Northern Colombia, Preliminary Report No. 6: Rabbits (Leporidae), with Notes on the Classification and Distribution of the South

- American Forms," by Philip Hershkovitz. Pages 327-375, figures 42-43. 26 May 1950.
3266. "Some Bird Lice of the Genera *Acidoproctus* and *Quadroceps* (Neotropical Mallophaga Miscellany No. 3)," by M. A. Carriker, Jr. Pages 377-386, figures 44-45. 26 January 1950.
3267. "A Review of the American Clupeid Fishes of the Genus *Dorosoma*," by Robert Rush Miller. Pages 387-410. 7 March 1950.
- 3268 "A Contribution to the Ornithology of Northeastern Venezuela," by Herbert Friedmann and Foster D. Smith, Jr. Pages 411-538, plates 10-12, figures 46-50. 10 March 1950.
3269. "Some New Gastropods of the Family Clausiliidae from the Philippine Islands and Siam," by F. J. Loosjes. Pages 539-545, figures 51-53. 13 November 1950.
3270. "Three New Species of Fishes of the Genus *Cirrhitus* (Family Cirrhitidae) from the Indo-Pacific," by Leonard P. Schultz. Pages 547-552, plate 13. 25 July 1950.

### Volume 101

- Title page, table of contents, list of illustrations, and index. Pages i-ix, 611-639. 23 March 1954.
3271. "A Revision of the Beetles of the Genus *Myochrous*," by Doris Holmes Blake. Pages 1-64, plates 1-8. 27 December 1950.
3272. "The Oceanic Crabs of the Genera *Planes* and *Pachygrapsus*," by Fenner A. Chace, Jr. Pages 65-103, figures 1-8. 30 January 1951.
3273. "New Marine Isopods, Chiefly from Northern California, with Notes on Related Forms," by Robert J. Menzies. Pages 105-156, figures 9-33. 13 February 1951.
3274. "The Helminth Parasites of Birds, III: Dicrocoeliid Trematodes from North American Birds," by J. Fred Denton and Elon E. Byrd. Pages 157-202, figures 34-40. 6 March 1951.
3275. "The Mites of the Subfamily Haemogamasinae (Acari: Laelaptidae)," by Hugh L. Keegan. Pages 203-268, figures 41-55. 2 February 1951.
3276. "A New Caribbean Coral of the Genus *Chrysogorgia*," by Fredrick M. Bayer. Pages 269-273, figures 56-57, plate 9. 13 February 1951.
3277. "Revision of the North American Grasshoppers of the *Conalcaea* Complex," by Ashley B. Gurney. Pages 275-304, figures 58-65, plates 10, 11. 2 February 1951.
3278. "Fleas from the Upper Sonoran Zone near Albuquerque, N. Mex.," by Lelia Ann Williams and C. Clayton Hoff. Pages 305-313, figure 66. 22 January 1951.
3279. "Some Digenetic Trematodes, Including Eight New Species, from Marine Fishes of La Jolla, Calif.," by Harold W. Manter and Harley J. Van Cleave. Pages 315-340, plates 12-13. 28 March 1951.

3280. "Parasitic Crustacea from Bimini, Bahamas," by A. S. Pearse. Pages 341-372, figures 67-77. 2 February 1951.
3281. "New and Little-known Bees of the Family Andrenidae from California," by P. H. Timberlake. Pages 373-414. 23 April 1951.
3282. "The Actinian Fauna of the Gulf of California," by Oskar Carlgren. Pages 415-449, figures 78-84, plate 14. 17 May 1951.
3283. "Notes on Chrysomelid Beetles of the Subfamily Chlamisinae with Descriptions of New Species," by F. Monrós. Pages 451-463, figures 85-90. 5 June 1951.
3284. "Notes on a Herpetological Collection from Oaxaca and Other Localities in Mexico," by Frederick A. Shannon. Pages 465-484, figures 91-93. 17 May 1951.
3285. "*Chaetodon tinkeri*, a New Species of Butterflyfish (Chaetodontidae) from the Hawaiian Islands," by Leonard P. Schultz. Pages 485-488, figure 94, plate 13. 15 June 1951.
3286. "Moths of the Genus *Paramulona* Hampson," by William D. Field. Pages 489-496, figures 95-96. 17 May 1951.
3287. "New Finds of Pleistocene Jaguar Skeletons," by Edward McGrady, H. T. Kirby-Smith, and Harvey Templeton. Pages 497-511, plate 16, figures 97-102. 16 October 1951.
3288. "An Annotated Checklist of the Mosquitoes of the Subgenus *Finlaya* (Genus *Aedes*)," by Kenneth L. Knight and Elizabeth N. Marks. Pages 513-574. 12 February 1952.
3289. "A New Subspecies of Marine Isopod from Texas," by Robert J. Menzies. Pages 575-579, figures 103-104. 3 August 1951.
3290. "Studies of Certain Apogonid Fishes from the Indo-Pacific with Descriptions of Three New Species," by Ernest A. Lachner. Pages 581-610, plates 17-19. 18 December 1951.

### Volume 102

- Title page, table of contents, and index. Pages i-iv, 529-549. 13 February 1956.
3291. "Contributions to the Morphology and the Taxonomy of the Branchiopoda Notostraca, with Special Reference to the North American Species," by Folke Linder. Pages 1-69, plates 1-7, figures 1-31. 27 June 1952.
3292. "A Study of an Intermediate Snail Host (*Thiara granifera*) of the Oriental Lung Fluke (*Paragonimus*)," by R. Tucker Abbott. Pages 71-116, plates 8 and 9, figures 32-45. 26 February 1952.
3293. "Some Marine Asellote Isopods from Northern California, with Descriptions of Nine New Species," by Robert J. Menzies. Pages 117-159, figures 46-71. 29 May 1952.
3294. "Australasian Stilt-legged Flies (Diptera: Tylidae) in the United States National Museum," by George C. Steyskal. Pages 161-180, figures 72-74. 26 February 1952.

3295. "*Aphotaenius*, a New Genus of Dung Beetle (Coleoptera:Scarabaeidae)," by O. L. Cartwright. Pages 181-184. 7 March 1952.
3296. "Preliminary Analysis of the Vertebrate Fossil Fauna of the Boysen Reservoir Area," by Theodore E. White. Pages 185-207, figures 75-80. 2 April 1952.
3297. "A New Crayfish from Alabama, with Notes on *Procambarus lecontei* (Hagen)," by Horton H. Hobbs, Jr. Pages 209-219, figures 81, 82. 27 March 1952.
3298. "Moths of the Genera *Mulona* Walker and *Lomuna*, a New and Closely Related Genus (Arctiidae:Lithosiinae)," by William D. Field. Pages 221-230, plates 10-11. 19 March 1952.
3299. "A New Species of Commensal Amphipod from a Spiny Lobster," by Clarence R. Shoemaker. Pages 231-233, figure 83. 27 March 1952.
3300. "A New Genus of Central American Millipede (Family Euryuridae), with Notes on the American Genera," by Richard L. Hoffman. Pages 235-243, figure 84. 24 April 1952.
3301. "An Emended Diagnosis of the Copepod Genus *Pupulina* (Caligoida), with Descriptions of New Species and a Redescription of the Genotype," by Mildred Stratton Wilson. Pages 245-263, plates 12-15. 19 March 1952.
3302. "Echinoderms from the Marshall Islands," by Austin H. Clark. Pages 265-303. 27 March 1952.
3303. "A New Species of Insect of the Order Protura," by Grace Glance. Pages 305-314, figures 85-86. 25 April 1952.
3304. "New American Cynipid Wasps from Galls," by Lewis H. Weld. Pages 315-342, plates 16 and 17. 24 April 1952.
3305. "Notes on Mammals from the Nile Delta Region of Egypt," by Henry W. Setzer. Pages 343-369. 2 April 1952.
3306. "The Sipunculid Worms of California and Baja California," by Walter Kenrick Fisher. Pages 371-450, plates 18-39. 8 July 1952.
3307. "*Schizostella*, a New Genus of Brittle-star (Gorgonocephalidae)," by Austin H. Clark. Pages 451-454, plate 40. 19 March 1952.
3308. "Moths of the Genus *Epeiromulona*, a New Genus of Lepidoptera," by William D. Field. Pages 455-469, plates 41-46. 25 April 1952.
3309. "A Review of the Stink Bugs of the Genus *Mecidea*," by R. I. Sailer. Pages 471-505, plates 47-48, figures 88-89. 27 June 1952.
3310. "Review of the Fishes of the Blennioid Genus *Ecsenius*, with Descriptions of Five New Species," by Wilbert M. Chapman and Leonard P. Schultz. Pages 507-528, figures 90-96. 24 April 1952.

### Volume 103

- Title page, table of contents, and index. Pages i-v, 633-667. 12 March 1956.
3311. "Two New Naucorid Bugs of the Genus *Ambrysus*," by Ira La Rivers. Pages 1-7, figure 1. 12 February 1953.

3312. "Two New Scale-mite Parasites of Lizards," by R. F. Lawrence. Pages 9–18, figures 2–7. 10 March 1953.
3313. "Notes on the Biology and Immature Stages of a Cricket Parasite of the Genus *Rhopalosoma*," by Ashley B. Gurney. Pages 19–34, plate 1, figures 8–9. 10 March 1953.
3314. "*Photuris bethaniensis*, a New Lampyrid Firefly," by Frank A. McDermott. Pages 35–37. 26 February 1953.
3315. "Distribution, General Bionomics, and Recognition Characters of Two Cockroaches Recently Established in the United States," by Ashley B. Gurney. Pages 39–56, plate 2, figure 10. 10 March 1953.
3316. "Biting Midges of the Heleid Genus *Stilobezzia* in North America," by Willis W. Wirth. Pages 57–85, figures 11–12. 15 May 1953.
3317. "Beetles of Oedemerid Genus *Vasaces* Champion," by Ross H. Arnett, Jr. Pages 87–94, figure 13. 30 April 1953.
3318. "Scarabaeid Beetles of the Genus *Bradycinetulus* and Closely Related Genera in the United States," by O. L. Cartwright. Pages 95–120, plates 3–4, figures 14–16. 5 June 1953.
3319. "The Chrysomelid Beetles of the Genus *Strabala* Chevrolat," by Doris Holmes Blake. Pages 121–134, figure 17. 5 June 1953.
3320. "American Biting Midges of the Heleid Genus *Monohelea*," by Willis W. Wirth. Pages 135–154, figures 18–19. 17 June 1953.
3321. "A Review of the Beetle Family Cephaloidea," by Ross H. Arnett, Jr. Pages 155–161, plate 5, figure 20. 15 May 1953.
3322. "The Fresh-water Triclad (Turbellaria) of Alaska," by Roman Kenk. Pages 163–186, plates 6–8, figures 21–25. 5 June 1953.
3323. "Review of the Indo-Pacific Anemone Fishes, Genus *Amphiprion*, with Descriptions of Two New Species," by Leonard P. Schultz. Pages 187–201, plates 9–10. 3 July 1953.
3324. "Marine Polychaete Worms from Point Barrow, Alaska, with Additional Records from the North Atlantic and North Pacific," by Marian H. Pettibone. Pages 203–356, figures 26–39. 21 May 1954.
3325. "The Relationships of Old and New World Melanians," by J. P. E. Morrison. Pages 357–394, plate 11. 20 April 1954.
3326. "Preliminary Analysis of the Fossil Vertebrates of the Canyon Ferry Reservoir Area," by Theodore E. White. Pages 395–438, figures 40–51. 28 May 1954.
3327. "A Review of the Labrid Fish Genus *Wetmorella* with Descriptions of New Forms from the Tropical Indo-Pacific," by Leonard Schultz and N. B. Marshall. Pages 439–447, figures 52–54, plate 12. 21 April 1954.
3328. "Review of the Atlantic Periwinkles, *Nodilittorina*, *Echininus*, and *Tectarius*," by R. Tucker Abbott. Pages 449–464, figures 55–57. 23 March 1954.
3329. "Mammals of Northern Colombia, Preliminary Report No. 7: Tapirs (Genus *Tapirus*), with a Systematic Review of American Species," by Philip Hershkovitz. Pages 465–496, figures 58–62. 18 May 1954.

3330. "A Revision of the Goatfish Genus *Upeneus* with Descriptions of Two New Species," by Ernest A. Lachner. Pages 497-532, plates 13-14. 18 May 1954.
3331. "Studies in Neotropical Mallophaga, XI: Bird Lice of the Suborder Amblycera, Genus *Dennyus* Neumann," by M. A. Carriker, Jr. Pages 533-549, figures 63, 64. 21 May 1954.
3332. "Nearctic Flies of the Family Periscolidae (Diptera) and Certain Anthomyzidae Referred to the Family," by A. H. Sturtevant. Pages 551-562. 16 June 1954.
3333. "North American Triclad Turbellaria, XIII: Three New Cave Planarians," by Libbie Hyman. Pages 563-573, figures 65-68. 14 June 1954.
3334. "A Supplement to W. M. Tattersall's 'Review of the Mysidacea of the United States National Museum,'" by Albert H. Banner. Pages 575-583. 8 July 1954.
3335. "On the Anatomy and Relationships of Glossy Cuckoos of the Genera *Chrysocoecyx*, *Lampromorpha*, and *Chalcites*," by Andrew H. Berger. Pages 585-597, figures 69-71. 19 January 1955.
3336. "Supplement and Corrections to J. A. Hyslop's 'Genotypes of the Elaterid Beetles of the World,'" by Ross H. Arnett, Jr. Pages 599-619. 14 April 1955.
3337. "Neotropical Miridae, LXIV: New Bugs of the Subfamily Cylapinae (Hemiptera)," by José C. M. Carvalho. Pages 621-632, figures 72-76, plate 15. 2 March 1955.

#### Volume 104

- Title page, table of contents, and index. Pages i-iv, 651-694. 5 June 1957.
3338. "Revision of the Vittate Species of the Chrysomelid Beetle Genus *Disonycha* from the Americas South of the United States," by Doris Holmes Blake. Pages 1-86, figures 1-75. 4 April 1955.
3339. "A Revision of the Nearctic Species of the Beetle Genus *Meligethes* (Nitidulidae)," by Alan M. Easton. Pages 87-103, figures 76-78. 25 February 1955.
3340. "Four New Venezuelan Reduviid Bugs," by Maldonado Capriles. Pages 105-113, figures 79-80. 28 March 1955.
3341. "Some Polyclad Flatworms from the West Indies and Florida," by Libbie H. Hyman. Pages 115-150, figures 81-89. 2 May 1955.
3342. "Biology and Taxonomy of North American Beetles of the Subfamily Geotrupinae, with Revisions of the Genera *Bolbocerosoma*, *Eucanthus*, *Geotrupes*, and *Peltotrupes* (Scarabaeidae)," by Henry F. Howden. Pages 151-319, plates 1-18. 28 November 1955.
3343. "Fruit Flies of the Genus *Tomoplagia* Coquillett (Diptera, Terphritidae)," by Martin L. Aczél. Pages 321-411, figures 90-102, plates 19-26. 28 September 1955.

3344. "Scarab Beetles of the Genus *Psammodyus* in the Western Hemisphere," by O. L. Cartwright. Pages 413–462. 24 August 1955.
3345. "A Further Contribution to the Ornithology of Northeastern Venezuela," by Herbert Friedmann and Foster D. Smith, Jr. Pages 463–524, figures 103–107, plates 27–30. 2 December 1955.
3346. "Modifications of Pattern in the Aortic Arch System of Birds and Their Phylogenetic Significance," by Fred H. Glenny. Pages 525–621, figures 108–119. 16 December 1955.
3347. "Fishes of the Family Percophididae from the Coasts of Eastern United States and the West Indies, with Descriptions of Four New Species," by Isaac Ginsburg. Pages 623–639, figures 120–122. 13 October 1955.
3348. "Neotropical Miridae, LXV: New Genera and Species of Bugs of the Tribe Termatophylini (Hemiptera: Deraeocorinae)," by José C. M. Carvalho. Pages 641–649, figure 123, plate 31. 27 October 1955.

### Volume 105

- Title page, table of contents, and index. Pages i–iv, 585–618. 16 June 1958.
3349. "Notes on Shrimps from the Marshall Islands," by Fenner A. Chace, Jr. Pages 1–22, 8 figures. 12 August 1955.
3350. "Lanternflies of the Family Issidae of the Lesser Antilles (Homoptera: Fulgoroidea)," by R. G. Fennah. Pages 23–47, 5 figures. 23 November 1955.
3351. "An Anatomical Study of the Peregrine Megascolecid Earthworm *Pheretima hupeiensis* in the Eastern United States," by William C. Grant, Jr. Pages 49–63, 4 figures. 17 October 1955.
3352. "Some Polyclad Flatworms from Polynesia and Micronesia," by Libbie H. Hyman. Pages 65–82, 5 figures. 6 September 1955.
3353. "Biting Lice of the Genus *Saemundssonina* (Mallophaga: Philopteridae) Occurring on Terns," by Ronald A. Ward. Pages 83–100, 1 figure. 8 September 1955.
3354. "Three Miocene Porpoises from the Calvert Cliffs, Maryland," by Remington Kellogg. Pages 101–154, 1 figure, 21 plates. 14 December 1955.
3355. "A Review of the New World Flies of the Genus *Conops* and Allies (Diptera: Conopidae)," by Sidney Camras. Pages 155–187. 28 September 1955.
3356. "Populations of the Berycoid Fish Family Polymixiidae," by Ernest A. Lachner. Pages 189–206, 1 plate. 21 October 1955.
3357. "Contributions to the Nomenclature, Systematics, and Morphology of the Octocorallia," by Frederick M. Bayer. Pages 207–220, 8 plates. 21 December 1955.
3358. "Bryozoa of the United States Navy's 1947–1948 Antarctic Expedition, I–IV," by Mary D. Rogick. Pages 221–317, 35 plates. 13 March 1956.
3359. "Type Species of the Genera and Subgenera of Parasitic Wasps Comprising the Superfamily Proctotrupoidea (Order Hymenoptera)," by C.

- F. W. Muesebeck and Luella M. Walkley. Pages 319-419. 16 February 1956.
3360. "The Spongilla-flies, with Special Reference to Those of the Western Hemisphere (Sisyridae, Neuroptera)," by Sophy I. Parfin and Ashley B. Gurney. Pages 421-529, 24 figures, 3 plates. 16 May 1956.
3361. "Marine Polychaete Worms from Labrador," by Marian H. Pettibone. Pages 531-584, 1 figure. 29 March 1956.

## Volume 106

- Title page, table of contents, and index. Pages i-vii, 589-615. 8 June 1959.
3362. "Revision of the Milliped Genus *Dixioria* (Polydesmida: Xystodesmidae)," by Richard L. Hoffman. Pages 1-19, 4 figures. 29 March 1956.
3363. "A Revision of the Flies of the Genus *Rivellia* (Otitidae, Diptera) of America North of Mexico," by Ryoji Namba. Pages 21-84, 10 figures. 5 June 1956.
3364. "Chiggers of the Genus *Euschöngastia* (Acarina: Trombiculidae) in North America," by Charles E. Farrell. Pages 85-235, 8 figures, 21 plates. 19 October 1956.
3365. "A New Pinecone Fish, *Monocentris reedi*, from Chile, a New Family Record for the Eastern Pacific," by Leonard P. Schultz. Pages 237-239, 1 plate. 24 July 1956.
3366. "Some Crickets from South America (Grylloidea and Tridactyloidea)," by Lucien Chopard. Pages 241-293, 6 figures. 20 September 1956.
3367. "The Nearctic Species of Tringonalid Wasps," by Henry Townes. Pages 295-304, 1 figure. 16 October 1956.
3368. "*Latheticomyia*, a New Genus of Acalyprate Flies of Uncertain Family Relationship," by Marshall R. Wheeler. Pages 305-314, 2 figures. 2 October 1956.
3369. "A Tribal Revision of the Brachycyrtine Wasps of the World (Cryptinae-Ichneumonidae)," by Luella M. Walkley. Pages 315-329, 1 figure. 16 October 1956.
3370. "A New Species of *Candacia* (Copepoda: Calanoida) from the Western North Atlantic Ocean," by Abraham Fleminger and Thomas E. Bowman. Pages 331-337, 2 figures. 15 October 1956.
3371. "Emended Description and Assignment to the New Genus *Ronalea* of the Idotheld Isopod *Erichsonella pseudoculata* Boone," by Robert J. Menzies and Thomas E. Bowman. Pages 339-343, 1 figure. 17 October 1956.
3372. "Observations on the Amphipod Genus *Parhyale*," by Clarence R. Shoemaker. Pages 345-358, 4 figures. 15 October 1956.
3373. "A Revision of the Acrocerid Flies of the Genus *Pialea* Erichson with a Discussion of Their Sexual Dimorphism (Diptera)," by Evert I. Schlinger. Pages 359-375, 4 figures. 12 October 1956.
3374. "Further Data on African Parasitic Cuckoos," by Herbert Friedmann. Pages 377-408, 4 plates. 24 October 1956.



3375. Studies in Neotropical Mallophaga, XVI: Bird Lice of the Suborder Ischnocera," by M. A. Carriker, Jr. Pages 409–439, 9 figures. 30 January 1957.
3376. "A New Genus and Species of Marine Asellote Isopod, *Caecianiropsis psammophila*, from California," by Robert J. Menzies and Jean Pettit. Pages 441–446, 3 figures. 2 November 1956.
3377. "Mammals of the Anglo-Egyptian Sudan," by Henry W. Setzer. Pages 447–587, 10 figures. 28 November 1956.

### Volume 107

- Title page, table of contents, and index. Pages i–v, 651–671. 29 May 1959.
3378. "A New Species of *Mysidopsis* (Crustacea: Mysidacea) from the Southeastern Coast of the United States," by Thomas E. Bowman. Pages 1–7, 2 figures. 15 February 1957.
3379. "*Rhynobrissus cuneus*, a New Echinoid from North Carolina," by C. Wythe Cooke. Pages 9–12, 1 plate. 18 June 1957.
3380. "Formosan Cossonine Weevils of Bamboo (Coleoptera: Curculionidae: Cossoninae)," by Elwood C. Zimmerman. Pages 13–23, 2 figures. 25 March 1957.
3381. "Some Littoral Barnacles from the Tuamotu, Marshall, and Caroline Islands," by Dora Priauix Henry. Pages 25–38, 3 plates. 21 October 1957.
3382. "A New Species of *Calanopia* (Copepoda: Calanoida) from the Caribbean Sea," by Thomas E. Bowman. Pages 39–45, 3 figures. 4 September 1957.
3383. "The Frogfishes of the Family Antennariidae," by Leonard P. Schultz. Pages 47–105, 8 figures, 14 plates. 1 November 1957.
3384. "New American Cynipid Wasps from Oak Galls," by Lewis H. Weld. Pages 107–122, 1 plate. 23 October 1957.
3385. "The Foraminiferal Genus *Halyphysema* and Two New Tropical Pacific Species," by Alfred R. Loeblich, Jr. Pages 123–126, 1 plate. 9 January 1958.
3386. "The Leafhopper Tribe Alebrini (Homoptera, Cicadellidae)," by David A. Young, Jr. Pages 127–277, 39 figures. 4 December 1957.

### Volume 108

- Title page, table of contents, and index. Pages i–v, 599–627. 11 May 1960.
3387. "Two Additional Miocene Porpoises from the Calvert Cliffs, Maryland," by Remington Kellogg. Pages 279–337, 30 plates. 9 December 1957.
3388. "Studies of Seven Siderites," by Edward P. Henderson and Stuart H. Perry. Pages 339–403, 6 figures, 22 plates. 31 January 1958.
3389. "New Neotropical Wasps of the Family Braconidae (Hymenoptera) in the U.S. National Museum," by C. F. W. Muesebeck. Pages 405–461, 4 figures. 27 January 1958.

3390. "North American Copepods of the Family Notodelphyidae," by Paul L. Illg. Pages 463-649, 19 figures. 28 April 1958.
3391. "*Pycnaspis splendens*, New Genus, New Species, a New Ostracoderm from the Upper Ordovician of North America," by Tor Ørving. Pages 1-23, 5 figures, 3 plates. 10 April 1958.
3392. "*Branchinecta cornigera*, a New Species of Anostracan Phyllopod from the State of Washington," by James E. Lynch. Pages 25-37, 16 figures. 15 April 1958.
3393. "Type Specimens of Lice (Order Anoplura) in the United States National Museum," by Phyllis T. Johnson. Pages 39-49. 27 May 1958.
3394. "A New North American Bird-flea," by F. G. A. M. Smit. Pages 51-57, 10 figures. 15 May 1958.
3395. "A Review of Some Galerucine Beetles with Excised Middle Tibiae in the Male," by Doris H. Blake. Pages 59-101, 6 figures. 16 July 1958.
3396. "A Redefinition of the Butterfly Genera *Tatochila*, *Phulia*, *Piercolias*, and *Baltia*, with Descriptions of Related Genera and Subgenera," by William D. Field. Pages 103-131, 40 figures. 9 June 1958.
3397. "The Systematic Position of the Bird Genus *Apalopteron*," by H. G. Deignan. Pages 133-136, 1 plate. 16 June 1958.
3398. "A Review of the Copepod Genus *Ridgewayia* (Calanoida) with Descriptions of New Species from the Dry Tortugas, Florida," by Mildred Stratton Wilson. Pages 137-179, 37 figures. 11 August 1958.
3399. "Revision of the Milliped Genus *Pachydesmus* (Polydesmida: Xystodesmidae)," by Richard L. Hoffman. Pages 181-218, 12 figures. 20 August 1958.
3400. "A Revision of the Eels of the Genus *Conger* with Descriptions of Four New Species," by Robert H. Kanazawa. Pages 219-267, 7 figures, 4 plates. 6 October 1958.
3401. "Three North American Cretaceous Fishes," by David H. Dunkle. Pages 269-277, 3 plates. 21 October 1958.
3402. "Taxonomy and Nomenclature of Three Species of *Lonchura* (Aves: Estrildinae)," by Kenneth C. Parkes. Pages 279-293, 1 figure. 21 October 1958.
3403. "Rhizocephala of the Family Peltogastridae Parasitic on West Indian Species of Galatheididae," by Edward G. Reinhard. Pages 295-307, 4 figures, 1 plate. 20 November 1958.
3404. "Advances in Our Knowledge of the Honey-guides," by Herbert Friedmann. Pages 309-320. 21 October 1958.
3405. "Three New Serranid Fishes, Genus *Pikea*, from the Western Atlantic," by Leonard P. Schultz. Pages 321-329, 2 figures. 17 November 1958.
3406. "The Status of the Lizard *Cnemidophorus perplexus* Baird and Girard (Teiidae)," by T. Paul Maslin, Richard G. Beidleman, and Charles H. Lowe, Jr. Pages 331-345. 31 December 1958.
3407. "Synopsis of the Species of Agromyzid Leaf Miners Described from

- North America (Diptera)," by Kenneth E. Frick. Pages 347-465, 170 figures. 5 March 1959.
3408. "A Revision of the Butterfly Genera *Theochila* and *Tatochila* (Lepidoptera: Pieridae)," by José Herrera and William D. Field. Pages 467-514, 93 figures. 24 July 1959.
3409. "Scarab Beetles of the Genus *Bothynus* in the United States (Coleoptera: Scarabaeidae)," by O. L. Cartwright. Pages 515-541, 6 figures. 10 May 1959.
3410. "A Further Study of Micronesian Polyclad Flatworms," by Libby H. Hyman. Pages 543-597, 17 figures. 6 March 1959.

### Volume 109

- Title page, table of contents, and index. Pages i-iii, 483-498. 18 May 1960.
3411. "A Revision of the Milliped Genus *Brachoria* (Polydesmida: Xystodesmidae)," by William T. Keeton. Pages 1-58, 11 figures. 14 April 1959.
3412. "Marine Mollusca of Point Barrow, Alaska," by Nettie MacGinitie. Pages 59-208, 27 plates. 18 September 1959.
3413. "Notes on Aradidae in the U.S. National Museum (Hemiptera), 1: Subfamily Calisiinae," by Nicholas A. Kormilev. Pages 209-222, 18 figures. 20 April 1959.
3414. "Flies of the Genus *Odinia* in the Western Hemisphere (Diptera: Odiniidae)," by Curtis W. Sabrosky. Pages 223-236, 1 plate. 29 May 1959.
3415. "Biting Midges of the Genus *Culicoides* from Panama (Diptera: Heleidae)," by Willis W. Wirth and Franklin S. Blanton. Pages 237-482, 91 figures. 29 July 1959.

### Volume 110

- Title page, table of contents, and index. Pages i-iii, 599-619. 19 August 1960.
3416. "Grasshoppers of the Mexicanus Group, Genus *Melanoplus* (Orthoptera: Acrididae)," by Ashley B. Gurney and A. R. Brooks. Pages 1-93, 5 plates, 18 figures. 9 July 1959.
3417. "A Revision of American Bats of the Genera *Euderma* and *Plecotus*," by Charles O. Handley, Jr. Pages 95-246, 27 figures. 3 September 1959.
3418. "A Revision of the Apion Subgenus *Trichapion* Wagner in the New World (Coleoptera: Curculionidae)," by David G. Kissinger. Pages 247-389, 19 figures. 23 October 1959.
3419. "A Description and Classification of the Final Instar Larvae of the Ichneumonidae (Insecta, Hymenoptera)," by J. R. T. Short. Pages 391-511, 64 figures. 23 October 1959.
3420. "Mammals of Northern Colombia, Preliminary Report No. 8: Arboreal Rice Rats, a Systematic Revision of the Subgenus *Oecomys*, Genus *Oryzomys*," by Philip Hershkovitz. Pages 513-568, 12 plates, 6 figures. 24 February 1960.

3421. "The Rodent-infesting Anoplura (Sucking Lice) of Thailand, with Remarks on Some Related Species," by Phyllis T. Johnson. Pages 569–598, 75 figures. 10 September 1959.

### Volume 111

- Title page, table of contents, and index. Pages i–iv, 681–692. 15 March 1961.
3422. "A New American Genus of Cryptopid Centipedes, with an Annotated Key to the Scolopendromorph Genera from America North of Mexico," by Ralph E. Crabill, Jr. Pages 1–15, 16 figures. 27 January 1960.
3423. "A Fourth Contribution to the Knowledge of Neotropical Platyrrhacid Millipeds (Diplopoda: Polydesmida)," by Richard L. Hoffman. Pages 17–31, 1 figure. 2 February 1960.
3424. "Millipeds from Dominica, British West Indies," by Richard L. Hoffman. Pages 33–41, 2 figures. 22 January 1960.
3425. "Notes on Larvae of Nine Genera of Aphodiinae in the United States (Coleoptera: Scarabaeidae)," by Manohar Lal Jerath. Pages 43–94, 89 figures. 2 February 1960.
3426. "A Synopsis of the Atopetholidae, a Family of Spiroboloid Millipeds," by Richard L. Hoffman and Barbara S. Orcutt. Pages 95–165, 12 figures. 14 March 1960.
3427. "Centipedes of the Smithsonian–Bredin Expeditions to the West Indies," by Ralph E. Crabill, Jr. Pages 167–195, 24 figures. 8 April 1960.
3428. "Meloid Beetles (Coleoptera) of the West Indies," by Richard B. Selander and John K. Bouseman. Pages 197–226, 12 figures. 14 March 1960.
3429. "A Revision of the Genus *Ogcodes* Latreille with Particular Reference to Species of the Western Hemisphere," by Evert I. Schlinger. Pages 227–336, 9 figures, 13 plates. 9 September 1960.
3430. "Cydniidae of the Western Hemisphere," by Richard C. Froeschner. Pages 337–680, 13 plates. 25 October 1960.

### Volume 112

- Title page, table of contents, and index. Pages i–vii, 651–677. 14 February 1962.
3431. "Lace-bug Genera of the World (Hemiptera: Tingidae)," by Carl J. Drake and Florence A. Ruhoff. Pages 1–105, 5 figures, 9 plates. 7 July 1960.
3432. "Flies of the Family Conopidae from Eastern Asia," by Sidney Camras. Pages 107–131. 24 June 1960.
3433. "Fireflies of the Genus *Pyrractonema* (Coleoptera: Lampyridae)," by Frank A. McDermott. Pages 133–157, 9 figures. 24 June 1960.
3434. "North and South American Copepods of the Genus *Hemicyclops* (Cyclopoida: Clausidiidae)," by Richard U. Gooding. Pages 159–195, 10 figures. 17 June 1960.

3435. "Chironomid Midges of California, I: Chironominae, Exclusive of Tantarsini (=Calopsectrini)," by James E. Sublette. Pages 197-226, 2 figures. 28 June 1960.
3436. "Revision of the Milliped Genus *Cherokia* (Polydesmida: Xystodesmidae)," by Richard L. Hoffman. Pages 227-264, 7 figures, 1 plate. 12 October 1960.
3437. "Reexamination of Species of Protura Described by H. E. Ewing," by F. Bonet and S. L. Tuxen. Pages 265-305, 103 figures. 13 October 1960.
3438. "Studies in Neotropical Mallophaga, XVII: A New Family (Trochiliphagidae) and a New Genus of the Lice of Hummingbirds," by M. A. Carriker, Jr. Pages 307-342, 12 figures. 13 October 1960.
3439. "The Pelagic Amphipod Genus *Parathemisto* (Hyperiidea: Hyperiidae) in the North Pacific and Adjacent Arctic Ocean," by Thomas E. Bowman. Pages 343-392, 19 figures. 13 October 1960.
3440. "Assassin Bugs of the Genus *Ghilianella* in the Americas (Hemiptera, Reduviidae, Emesinae)," by J. Maldonado-Capriles. Pages 393-450, 146 figures. 9 September 1960.
3441. "Welcome Mound and the Effigy Pipes of the Adena People," by Frank M. Setzler. Pages 451-458, 1 figure, 4 plates. 9 September 1960.
3442. "Descriptions of New Bats from Panama," by Charles O. Hanley, Jr. Pages 459-479. 6 October 1960.
3443. "Cultural Sequences in Hokkaido, Japan," by Lt. Col. Howard A. MacCord. Pages 481-503, 5 figures, 14 plates, 5 December 1960.
3444. "Noctuid Moths of the Scopulepes Group of *Hemeroplanis* Hübner," by E. L. Todd. Pages 505-515, 6 figures, 1 plate. 13 September 1960.
3445. "*Lithoglyptes spinatus*, a Burrowing Barnacle from Jamaica," by Jack T. Tomlinson and William A. Newman. Pages 517-526, 10 figures. 20 December 1960.
3446. "Notes on Mysidacean Crustaceans of the Genus *Lophogaster* in the U.S. National Museum," by O. S. Tattersall. Pages 527-547, 7 figures. 20 December 1960.
3447. "The Fairy Shrimp *Brachinecta campestris* from Northwestern United States (Crustacea: Phyllopoða)," by James E. Lynch. Pages 549-561, 5 figures. 5 December 1960.
3448. "Stargazer Fishes from the Western North Atlantic (Family Uranoscopidae)," by Frederick H. Berry and William W. Anderson. Pages 563-586, 1 figure, 4 plates. 12 April 1961.
3449. "Revision of the Marine Silver Hatchetfishes (Family Sternoptychidae)," by Leonard P. Schultz. Pages 587-649, 26 figures. 7 September 1961.

## Volume 113

Title page, table of contents, and index. Pages i-v, 637-660. 9 January 1963.

3450. "*Paraconger*, a New Genus with Three New Species of Eels (Family

- Congridae)," by Robert H. Kanazawa. Pages 1-14, 3 figures, 2 plates. 26 January 1961.
3451. "Revision of the Milliped Genus *Deltotaria* (Polydesmida: Xystodesmidae)," by Richard L. Hoffman. Pages 15-35, 4 figures. 17 March 1961.
3452. "Four New Species of *Pseudocyclops* (Copepoda: Calanoida), from Puerto Rico," by Thomas E. Bowman and Juan G. González. Pages 37-59, 11 figures. 10 March 1961.
3453. "Notes on Australian Flies of the Family Conopidae," by Sidney Camras. Pages 61-76. 1 August 1961.
3454. "New and Previously Known Millipeds of Panama," by H. F. Loomis. Pages 77-123, 8 figures. 16 August 1961.
3455. "New Genera and New Species of Lacebugs from the Eastern Hemisphere (Hemiptera: Tingidae)," by Carl J. Drake and Florence A. Ruhoff. Pages 125-183, 24 figures. 1 August 1961.
3456. "The Weevil Genus *Smicronyx* in America North of Mexico (Coleoptera: Curculionidae)," by Donald M. Anderson. Pages 185-372, 157 figures, 1 plate. 31 May 1962.
3457. "Neotropical Microlepidoptera, I and II," by J. F. Gates Clarke. Pages 373-388, 9 figures. 30 April 1962.
3458. "Two New Species of *Parastenocaris* (Copepoda: Harpacticoidea) from Santa Catarina, Brazil," by Hans Jakobi and Jayme de Loyola e Silva. Pages 389-397, 2 figures. 5 June 1962.
3459. "Plectrotaxy as a Systematic Criterion in Lithobiomorph Centipedes (Chilopoda: Lithobiomorpha)," by Ralph E. Crabill, Jr. Pages 399-412, 1 figure. 12 July 1962.
3460. "Water-striders of the Subgenus *Stridulivelia* from Mexico, Central America, and the West Indies (Hemiptera: Veliidae)," by Carl J. Drake and Arnold S. Menke. Pages 413-419, 3 plates. 19 June 1962.
3461. "Synopsis of the Neotropical Cockroach Genus *Macrophyllodromia* (Orthoptera: Blattoidea, Epilampridae)," by Isolda Rocha e Silva Albuquerque. Pages 421-428, 14 figures. 29 August 1962.
3462. "New and Little-known Species of South and Central American Land Snails (Bulimulidae)," by Juan José Parodiz. Pages 429-456, 2 plates. 4 June 1962.
3463. "*Gorgonolaureus*, a New Genus of Ascothoracid Barnacle Endoparasitic in Octocorallia," by Huzio Utinomi. Pages 457-464, 9 figures. 19 June 1962.
3464. "Larvae of the Caddis-fly Genus *Rhyacophila* in Eastern North America (Trichoptera: Rhyacophilidae)," by Oliver S. Flint, Jr. Pages 465-493, 11 figures. 31 May 1962.
3465. "The Heleomyzid Flies of American North of Mexico (Diptera: Heleomyzidae)," by Gordon D. Gill. Pages 495-603, 96 figures. 30 August 1962.
3466. "The Non-brachyuran Decapod Crustaceans of Clipperton Island," by Fenner A. Chace, Jr. Pages 605-635, 7 figures. 29 August 1962.

## Volume 114

3467. "Scarab Beetles of the Genus *Onthophagus* Latreille North of Mexico (Coleoptera: Scarabaeidae)," by Henry F. Howden and Oscar L. Cartwright. Pages 1–135, 11 figures, 9 plates. 9 January 1963.
3468. "New Species of Spider Wasps, Genus *Auplopus*, from the Americas South of the United States (Hymenoptera: Psammocharidae)," by R. R. Dreisbach. Pages 137–211, 13 plates. 19 March 1963.
3469. "Some North American Moths of the Genus *Acleris* (Lepidoptera: Tortricidae)," by Nicholas S. Obraztsov. Pages 213–270, 7 figures, 18 plates. 7 May 1963.
3470. "A Revision of the North American Annelid Worms of the Genus *Cambarincola* (Oligochaeta: Branchiobdellidae)," by Richard L. Hoffman. Pages 271–371, 79 figures. 6 March 1963.
3471. "Geographic Variation in the Thrush *Hylocichla ustulata*," by Gorman M. Bond. Pages 373–387, 1 figure. 6 March 1963.
3472. "Review of the Hawkfishes (Family Cirrhitidae)," by John E. Randall. Pages 389–451, 16 plates. 28 May 1963.
3473. "Studies of Neotropical Caddisflies, I: Rhyacophilidae and Glossosomatidae (Trichoptera)," by Oliver S. Flint, Jr. Pages 453–478, 8 figures. 16 April 1963.
3474. "Weevils of the Genus *Maemactes*," by David G. Kissinger. Pages 479–486, 1 figure. 19 March 1963.
3475. "Moths of the Family Acrolophidae in America North of Mexico (Microlepidoptera)," by Frank F. Hasbrouck. Pages 487–706, 219 figures. 15 October 1964.

## Volume 115

- Title page, table of contents, and index. Pages i–v, 633–654. 1 March 1965.
3476. "Additional Information on the Morphology of an Embryo Whale Shark," by J. A. F. Garrick. Pages 1–7, 4 plates. 28 February 1964.
3477. "Notes on New and Old Species of Alticinae (Coleoptera) from the West Indies," by Doris H. Blake. Pages 9–29, 25 figures. 28 February 1964.
3478. "Asteroidea of the *Blue Dolphin* Expeditions to Labrador," by E. H. Grainger. Pages 31–46, 4 figures. 28 February 1964.
3479. "Moths of the Genus *Rhabdatomis* Dyar (Arctiidae: Lithosiinae)," by William D. Field. Pages 47–60, 6 plates (33 figures). 28 February 1964.
3480. "Neotropical Microlepidoptera, III: Restriction of *Gonionota melobaphes* Walsingham with Descriptions of New Species (Lepidoptera: Oecophoridae)," by J. F. Gates Clarke. Pages 61–83, 3 plates (1 color), 7 figures. 17 March 1964.
3481. "Chironomid Midges of California, II: Tanypodinae, Podonominae, and Diamesinae," by James E. Sublette. Pages 85–135, 7 figures. 28 February 1964.

3482. "Caligoid Copepods (Crustacea) of the Hawaiian Islands: Parasitic on Fishes of the Family Acanthuridae," by Alan G. Lewis. Pages 137-244, 24 figures. 28 February 1964.
3483. "Notes on Aradidae in the U.S. National Museum, III: Subfamily Mezirinae (Hemiptera)," by Nicholas A. Kormilev. Pages 245-258, 7 figures. 28 February 1964.
3484. "A Generic Revision of the Leafhopper Subfamily Neocoelidiinae (Homoptera: Cicadellidae)," by James P. Kramer. Pages 259-287, 114 figures. 17 March 1964.
3485. "A Review of the North American Moths of the Family Walshiiidae (Lepidoptera: Gelechioidea)," by Ronald W. Hodges. Pages 289-329, 66 figures. 17 March 1964.
3486. "American Species of the Lacebug Genus *Acalypta* (Hemiptera: Tingidae)," by Carl J. Drake and John D. Lattin. Pages 331-345, 15 plates. 31 December 1963.
3487. "The Caligid Copepod Genus *Dentigryps* (Crustacea: Caligoida)," by Alan G. Lewis. Pages 347-380, 13 figures. 17 March 1964.
3488. "A New Brazilian Moth of the Genus *Gonioterma* with Notes on Related Species (Lepidoptera: Stenomidae)," by W. Donald Duckworth. Pages 381-389, 3 figures. 17 March 1964.
3489. "Seven New Amphipods from the West Coast of North America with Notes on Some Unusual Species," by Clarence R. Shoemaker. Pages 391-429, 15 figures. 17 March 1964.
3490. Shrimps of the Genus *Betaeus* on the Pacific Coast of North America with Descriptions of Three New Species," by Josephine F. L. Hart. Pages 431-466, 2 plates, 80 figures. 28 February 1964.
3491. "Notes on Some Nearctic Psychomyiidae with Special Reference to Their Larvae (Trichoptera), by Oliver S. Flint, Jr. Pages 467-481, 5 figures. 28 February 1964.
3492. "The Jambelí Culture of South Coastal Ecuador," by Emilio Estrada, Betty J. Meggers, and Clifford Evans. Pages 483-558, 12 plates, 42 figures. 25 September 1964.
3493. "A Revision of the Carcharhinid Shark Genera *Scoliodon*, *Loxodon*, and *Rhizoprionodon*," by Victor G. Springer. Pages 559-632, 2 plates, 14 figures. 1 September 1964.

### Volume 116

- Title page, table of contents, and index. Pages i-v, 557-586. 13 January 1966.
3494. "A Review of the Ophidioid Fish Genus *Oligopus* with the Description of a New Series from West Africa," by Daniel M. Cohen. Pages 1-22, 5 plates, 13 October 1964.
3495. "North American Stenomidae (Lepidoptera: Gelechioidea)," by W. Donald Duckworth. Pages 23-72, 4 plates, 45 figures. 27 October 1964.



3496. "A Survey of Vertebral Numbers in Sharks," by Victor G. Springer and J. A. F. Garrick. Pages 73-96, 1 plate. 16 October 1964.
3497. "Neotropical Microlepidoptera, IV: A New Genus of Stenomidae with Descriptions of Four New Species (Lepidoptera: Gelechioidea)," by W. Donald Duckworth. Pages 97-114, 5 figures. 11 September 1964.
3498. "One New Species and Two Redescriptions of Catfishes of the South American Callichthyid Genus *Corydoras*," by Stanley H. Weitzman. Pages 115-126, 6 figures. 13 October 1964.
3499. "Osteology and Relationships of South American Characid Fishes of Subfamilies Lebiasininae and Erythrininae with Special Reference to Subtribe Nannostomina," by Stanley H. Weitzman. Pages 127-170, 10 figures. 13 October 1964.
3500. "Three New Species of Frogfishes from the Indian and Pacific Oceans with Notes on Other Species (Family Antennariidae)," by Leonard P. Schultz. Pages 171-182, 3 plates. 1 September 1964.
3501. "Neotropical Microlepidoptera, V: Synopsis of the Species of the Genus *Proeulia* from Central Chile (Lepidoptera: Tortricidae)," by Nicholas S. Obraztsov. Pages 183-196, 9 plates. 29 October 1964.
3502. "Neotropical Microlepidoptera, VI: Genera *Orsotrica* Meyrick and *Palinorsa* Meyrick (Gelechiidae, Oecophoridae)," by J. F. Gates Clarke. 197-204, 1 plate, 4 figures. 23 November 1964.
3503. "Contributions to the Knowledge of the Hemerobiidae of Western North America (Neuroptera)," by Waro Nakahara. Pages 205-222, 1 plate, 4 figures. 26 January 1965.
3504. "A Contribution to the Study of the Genus *Sphaerocera* Latreille in Central and South America (Diptera: Sphaeroceridae)," by O. W. Richards. Pages 223-242, 28 figures. 5 April 1965.
3505. "Herpetology of the Zuni Mountains Region, Northwestern New Mexico," by Frederick R. Gehlbach. Pages 243-332, 4 plates, 10 figures. 26 February 1965.
3506. "Review of the Genus *Cerceris* in America North of Mexico (Hymenoptera: Sphecidae)," by Herman A. Scullen. Pages 333-548, 1 plate, 182 figures. 25 May 1965.
3507. "North American Moths of the Genus *Swammerdamia* (Lepidoptera: Yponomeutidae)," by W. Donald Duckworth. Pages 549-556, 3 figures. 25 May 1965.

## Volume 117

- Title page, table of contents, and index. Pages i-v, 681-710. 21 October 1966.
3508. "Microlepidoptera of Juan Fernandez Island," by J. F. Gates Clarke. Pages 1-106, 1 plate, 111 figures. 13 July 1965.
3509. "Neotropical Hemerobiidae in the United States National Museum," by Waro Nakahara. Pages 107-122, 2 plates, 5 figures. 30 July 1965.

3510. "*Hermatobates*, a New Generic Record for the Atlantic Ocean, with Descriptions of New Species (Hemiptera: Gerridae)," by Jon L. Herring. Pages 123-130, 4 figures. 6 July 1965.
3511. "Benthic Polychaetous Annelids from Bering, Chukchi, and Beaufort Seas," by Donald J. Reish. Pages 131-158, 1 table, 3 figures. 25 August 1965.
3512. "Haustoriidae of New England (Crustacea: Amphipoda)," by E. L. Bousfield. Pages 159-240, 31 figures. 17 August 1965.
3513. "Planktonic Copepods from Bahía Fosforescente, Puerto Rico, and Adjacent Waters," by Juan C. Gonzalez and Thomas E. Bowman. Pages 241-304, 21 figures. 24 August 1965.
3514. "Revision of the Milliped Genera *Boraria* and *Gyalostethus* (Polydesmida: Xystodesmidae)," by Richard L. Hoffman. Pages 305-348, 26 figures. 17 August 1965.
3515. "Revision of Diaperini of America North of Mexico with Notes on Extralimital Species (Coleoptera: Tenebrionidae)," by Charles A. Triplehorn. Pages 349-458, 7 plates, 3 figures. 16 November 1965.
3516. "Marine Amphipoda of Atolls in Micronesia," by J. Laurens Barnard. Pages 459-552, 11 tables, 35 figures. 14 December 1965.
3517. Hedgehogs and Shrews of Turkey," by Dale J. Osborn. Pages 553-566, 4 figures. 3 December 1965.
3518. "Systematic Significance of Breeding Tubercles in Fishes of the Family Percidae," by Bruce B. Collette. Pages 567-614, 3 tables, 7 figures. 7 December 1965.
3519. "Land Snails of the Genus *Amphidromus* from Thailand (Mollusca: Pulmonata: Camaenidae)," by Alan Solem. Pages 615-629, 2 plates. 3 December 1965.
3520. "A Review of the Genus *Haimbrachia* Dyar with Descriptions of New Species (Lepidoptera: Crambidae)," by Hahn W. Capps. Pages 629-653, 6 figures. 13 December 1965.
3521. "Genus *Lexiphanes* of America North of Mexico (Coleoptera: Chrysomelidae)," by Edward U. Balsbaugh, Jr. Pages 655-680, 8 figures. 18 January 1966.

### Volume 118

3522. "Marine Amphipoda of the family Ampithoidae from Southern California," by J. Laurens Barnard. Pages 1-46, 28 figures. 30 December 1965.
3523. "Species of Oedemeridae of the Big Bend Region of Texas," by Ross H. Arnett, Jr. Pages 47-55, 6 plates, 3 figures. 17 December 1965.
3524. "Copepod Crustaceans Parasitic on Elasmobranch Fishes of the Hawaiian Islands," by Alan G. Lewis. Pages 57-154, 40 figures. 12 April 1966.
3525. "Revision of the Pilargidae (Annelida: Polychaeta), Including Descriptions of New Species, and Redescription of the Pelagic *Podarmus ploa*

- Chamberlin (Polyhoidae)," by Marian H. Pettibone. Pages 155–208, 26 figures. 31 March 1966.
3526. "Descriptions and Records of West Indian Cerambycidae (Coleoptera)," by John A. Chemsak. Pages 209–220. 8 February 1966.
3527. "Neotropical Microlepidoptera, VII: New Genus *Pseudomeritastis* and Its Species (Lepidoptera: Tortricidae)," by Nicholas S. Obraztsov. Pages 221–232, 6 plates, 2 figures. 23 February 1966.
3528. "More New Galerucine Beetles with Excised Middle Tibiae in the Male," by Doris H. Blake. Pages 233–266, 35 figures. 23 February 1966.
3529. "A Review of the Beetles of the Genus *Neobrotica* and Some Closely Related Genera," by Doris H. Blake. Pages 267–372, 16 figures. 14 April 1966.
3530. "Notes on Certain Nearctic Trichoptera in the Museum of Comparative Zoology," by Oliver S. Flint, Jr. Pages 373–390, 4 figures. 23 February 1966.
3531. "Neotropical Microlepidoptera, VIII: A Review of the Genus *Falculina* with Descriptions of New Species (Lepidoptera: Stenomidae)," by W. Donald Duckworth. Pages 391–404, 1 plate, 5 figures. 10 February 1966.
3532. "A Revision of the Genus *Furnaricola* (Mallophaga) with Descriptions of New Species," by M. A. Carriker, Jr. Pages 405–432, 31 figures. 9 March 1966.
3533. "Revision of Chalcid Wasps of Genus *Eurytoma* in America North of Mexico," by Robert E. Bugbee. Pages 433–552, 31 figures, 37 maps. 21 March 1967.
3534. "The Euryhaline Copepod Genus *Eurytemora* in Fresh and Brackish Waters of the Cape Thompson Region, Chukchi Sea, Alaska," by Mildred Stratton Wilson and Jerry C. Tash. Pages 553–576, 3 figures, 2 tables. 30 December 1966.
3535. "Neotropical Microlepidoptera, IX: Revision of Genus *Pseudateria* (Lepidoptera: Tortricidae)," by Nicholas S. Obraztsov. Pages 577–622, 12 figures, 43 plates. 30 December 1966.
3536. "Decapod Crustaceans from St. Helena Island, South Atlantic," by Fenner A. Chace, Jr. Pages 623–661, 15 figures, 2 plates. 30 December 1966.
3537. "Revision of Sharks of Genus *Isurus* with Description of a New Species (Galeoidea, Lamnidae)," by J. A. F. Garrick. Pages 663–690, 9 figures, 4 plates, 2 tables. 15 March 1967.

### Volume 119

[Starting with the first number, 3538, in volume 119, each paper thereafter is paged separately.]

3538. "Review of South American Characid Fishes of Subtribe Nanostomina," by Stanley H. Weitzman. 56 pages, 12 figures. 30 December 1966.
3539. "A Revision of the Hammerhead Sharks (Family Sphyrnidae)," by

- Carter R. Gilbert. 88 pages, 22 figures, 10 plates, 5 maps, 9 tables. 27 April 1967.
3540. "Neotropical Microlepidoptera, X: Systematic Position of Two Taxa Erroneously Placed in Family Stenomidae (Lepidoptera)," by W. Donald Duckworth. 6 pages, 2 figures, 1 plate. 30 December 1966.
3541. "Benthic Amphipoda of Monterey Bay, California," by J. Laurens Barnard. 41 pages, 7 figures, 10 tables. 30 December 1966.
3542. "A New Genus and Six New Species of Entocytherid Ostracods (Ostracoda, Entocytheridae)," by Horton H. Hobbs, Jr., and Margaret Walton. 12 pages, 2 figures, 1 table. 30 December 1966.
3543. "Neotropical Microlepidoptera, XI: Revision of Genus *Idolatteria* (Lepidoptera: Tortricidae)," by Nicholas S. Obraztsov. 12 pages, 3 figures, 8 plates. 30 December 1966.
3544. "Range and Variations of Subspecies of *Cambarus longulus* (Decapoda: Astacidae)," by Hugo A. James. 24 pages, 2 figures, 1 plate, 2 maps. 30 December 1966.
3545. "The Lizards of Ecuador, a Check List and Key," by James A. Peters. 49 pages, 6 figures. 8 March 1967.
3546. "Noctuid Moths of the American Genus *Euseptis* Hübner," by E. L. Todd. 22 pages, 34 figures, 1 map. 30 December 1966.
3547. "Revision and Nearctic Gelechiidae, I: The *Lita* Group (Lepidoptera: Gelechioidea)," by Ronald W. Hodges. 66 pages, 31 plates. 30 December 1966.
3548. "Notes on Aradidae in the U.S. National Museum, IV (Hemiptera: Heteroptera)," by Nicholas A. Kormilev. 25 pages, 23 figures. 30 December 1966.
3549. "The Freeze-dry Preservation of Biological Specimens," by Rolland O. Hower. 24 pages, 9 figures, 4 plates, 6 tables. 15 March 1967.
3550. "Catalog of Type Specimens of the Darters (Pisces, Percidae, Etheostomatini)," by Bruce B. Collette and Leslie W. Knapp. 88 pages, 5 figures. 30 December 1966.
3551. "Review of New World Moths of Genus *Euchromius* Guenée with Descriptions of Two New Species (Lepidoptera: Crambidae)," by Hahn W. Capps. 9 pages, 8 figures, 1 plate. 30 December 1966.
3552. "Preliminary Revision of Butterflies of the Genus *Calycopis* Scudder (Lycaenidae: Theclinae)," by William D. Field. 48 pages, 126 figures. 1 February 1967.
3553. "Type-specimens of Polychaetes Described by Edith and Cyril Berkeley (1923-1964)," by Marian H. Pettibone. 23 pages. 1 February 1967.

## Volume 120

3554. "A New Species of Burrowing Acontiate Anemone from California (Isophelliidae: Flosmaris)," by Cadet Hand and Ralph Bushnell. 8 pages, 2 figures. 8 March 1967.

3555. "Review of South American Freshwater Angelfishes—Genus *Pterophylum*," by Leonard P. Schultz. 10 pages, 4 plates, 4 tables. 16 February 1967.
3556. "Some Portunid Crabs from the Pacific and Indian Oceans in the Collections of the Smithsonian Institution," by William Stephenson and May Rees. 114 pages, 38 figures, 9 plates, 2 tables. 8 March 1967.
3557. "Classification of *Culex* Subgenus *Culex* in the New World (Diptera: Culicidae)," by Ralph A. Bram. 122 pages, 33 figures, 3 tables. 6 March 1967.
3558. "Amblyceran Mallophaga (Biting Lice) Found on the Bucerotidae (Hornbills)," by Robert E. Elbel. 76 pages, 72 figures, 13 tables. 16 February 1967.
3559. "Studies of Neotropical Caddis Flies, II: Types of Some Species Described by Ulmer and Brauer," by Oliver S. Flint, Jr. 20 pages, 5 figures, 2 plates. 30 December 1966.
3560. "Notes and Descriptions of Some Neotropical Agaristine Moths (Lepidoptera: Noctuidae)," by E. L. Todd. 15 pages, 4 plates. 30 December 1966.
3561. "Review of Some Species of *Loxostege* Hübner and Descriptions of New Species (Lepidoptera, Pyraustidae: Pyraustinae)," by Hahn W. Capps. 75 pages, 178 figures. 15 March 1967.
3562. "Notes on Flies Captured in Treetops in Malaya (Diptera: Empididae, Neriidae, Platystomatidae, Sepsidae, Muscidae)," by George C. Steyskal. 16 pages, 4 figures. 30 December 1966.
3563. "*Euphilomedes arostrata*, a New Myodocopid Ostracod from Maldive Islands, Indian Ocean," by Louis S. Kornicker. 21 pages, 10 figures. 15 February 1967.
3564. "A Comparison of Australasian and American Specimens of *Hemisquilla ensigera* (Owen, 1832) (Crustacea: Stomatopoda)," by William Stephenson. 18 pages, 3 figures, 3 tables. 8 March 1967.
3565. "The Benthic Polychaeta and Amphipoda of Morro Bay, California," by Donald J. Reish and J. Laurens Barnard. 26 pages, 1 figure, 2 tables. 8 March 1967.
3566. "Supplementary Description of the Myodocopid Ostracod *Euphilomedes multichelata* from the Great Bahama Bank," by Louis S. Kornicker. 16 pages, 6 figures. 16 February 1967.
3567. "Taxonomy, Distribution, and Polymorphism in the *Labidocera jollae* Group with Remarks on Evolution within the Group (Copepoda: Calanoida)," by Abraham Fleminger. 61 pages, 17 figures, 11 tables. 18 April 1967.

## Volume 121

3568. "Revision of Click Beetles of Genus *Melanotus* in America North of Mexico (Coleoptera: Elateridae)," by Laurence W. Quate and Sarah E. Thompson. 83 pages, 12 figures, 1 plate. 18 April 1967.

3569. "Soldier Fly Larvae in America North of Mexico," by Max W. McFadden. 72 pages, 156 figures. 1 February 1967.
3570. "Revision of the Family Pandaridae (Copepoda: Caligoida)," by Roger Cressey. 133 pages, 356 figures. 16 February 1967.
3571. "Supplementary Descriptions of Two Myodocopid Ostracods from the Red Sea," by Louis S. Kornicker. 18 pages, 6 figures. 16 February 1967.
3572. "Caligoid Copepods Parasitic on Sharks of the Indian Ocean," by Roger F. Cressey. 21 pages, 54 figures. 15 March 1967.
3573. "New Cyclopid Copepods Associated with the Alcyonarian Coral *Tubipora musica* (Linnaeus) in Madagascar," by Arthur G. Humes and Ju-Shey Ho. 24 pages, 69 figures. 8 March 1967.
3574. "Copepod Crustaceans Parasitic on Teleost Fishes of the Hawaiian Islands," by Alan G. Lewis. 204 pages, 70 figures, 23 tables. 22 June 1967.
3575. "Some Bathyal Polynoids from Central and Northeastern Pacific (Polychaeta: Polynoidae)," by Marian H. Pettibone. 15 pages, 5 figures. 16 February 1967.
3576. "New Species and Records of Pacific Ampeliscidae (Crustacea: Amphipoda)," by J. Laurens Barnard. 20 pages, 4 figures. 8 March 1967.
3577. "Bredin-Archbold-Smithsonian Biological Survey of Dominica, 1: The Echinoids of Dominica," by Porter M. Kier. 10 pages, 3 figures, 2 plates. 30 December 1966.
3578. Bredin-Archbold-Smithsonian Biological Survey of Dominica, 2: New Species of Diptera from Dominica (Anisopodidae and Bibionidae)," by Alan Stone. 6 pages, 2 figures. 30 December 1966.
3579. "Valid Zoological Names of the Portland Catalogue," by Harald A. Rehder. 51 pages, 2 figures. 21 March 1967.
3580. "The Myodocopid Ostracod Families Philomedidae and Pseudophilomedidae (New Family)," by Louis S. Kornicker. 35 pages, 12 figures, 1 plate, 2 tables. 16 February 1967.

## Volume 122

3581. "Classification of the Western Hemisphere *Balclutha* (Homoptera: Cicadellidae)," by H. Derrick Blocker. 55 pages, 35 figures. 21 March 1967.
3582. "Revision of the Circumtropical Shorefish Genus *Entomacrodus* (Blenniidae: Salariae)," by Victor G. Springer. 150 pages, 11 figures, 30 plates, 70 tables. 14 June 1967.
3583. "Bathypelagic Calanoid Copepods of the Western Indian Ocean," by George D. Grice and Kuni Hulsemann. 67 pages, 319 figures, 1 table. 15 March 1967.
3584. "The Extinct Sea Mink, with Taxonomic Notes," by Richard H. Manville. 12 pages, 2 figures, 1 plate, 2 tables. 30 December 1966.
3585. "Neotropical Microlepidoptera, XII: Further Studies on Genus *Lethata* (Lepidoptera: Stenomidae)," by W. Donald Duckworth. 38 pages, 38 figures, 3 plates, 10 maps. 6 March 1967.

3586. "New Cyclopoid Copepods Associated with the Coral *Psammocora contigua* (Esper) in Madagascar," by Arthur G. Humes and Ju-Shey Ho. 32 pages, 115 figures. 8 March 1967.
3587. "A New Genus and Three New Species of Ostracods with a Key to Genus *Dactylocythere* (Ostracoda: Entocytheridae)," by Horton H. Hobbs, Jr. 10 pages, 1 figure. 16 February 1967.
3588. "Variation and Distribution of the Pelagic Amphipod *Cyphocaris challengerii* in the Northeast Pacific (Gammaridea: Lysianassidae)," by Thomas E. Bowman and John C. McCain. 14 pages, 9 figures. 16 February 1967.
3589. "Notes on the Genus *Manningia* with Description of a New Species (Crustacea: Stomatopoda)," by Raymond B. Manning. 13 pages, 3 figures, 1 table. 15 March 1967.
3590. "Neotropical Microlepidoptera, XIII: Review of Genus *Loxotoma* (Lepidoptera: Stenomidae)," by W. Donald Duckworth. 8 pages, 9 figures, 1 plate, 1 map. 15 March 1967.
3591. "Neotropical Microlepidoptera, XIV: Chilean Microlepidoptera Described by Emilio Blanchard," by J. F. Gates Clarke. 8 pages, 5 figures. 21 March 1967.
3592. "The Psolid Holothurian Genus *Lissothuria*," by David L. Pawson. 17 pages, 5 figures. 15 March 1967.
3593. "A New Species of *Victorella* from Southern California (Bryozoa: Ctenostomata)," by William C. Banta. 18 pages, 7 figures. 18 April 1967.
3594. "A Study of Three Species of *Sarsiella* (Ostracoda: Myodocopa)," by Louis S. Kornicker. 46 pages, 4 plates, 19 figures. 15 March 1967.
3595. "Ecology and Social Organization in the Iguanid Lizard *Anolis lineatopus*," by A. Stanley Rand. 79 pages, 10 figures. 9 August 1967.
3596. "An Enzyme Method of Clearing and Staining Small Vertebrates," by William Ralph Taylor. 17 pages. 24 May 1967.
3597. "A Comparative Study of Rodent Ethology with Emphasis on Evolution of Social Behavior, I," by John F. Eisenberg. 51 pages, 9 figures. 19 July 1967.
3598. "A New Genus and New Species of Zoarcid Fish from the North Pacific Ocean," by Leonard P. Schultz. 5 pages, 3 figures. 14 June 1967.
3599. "Portunid Crabs from the International Indian Ocean Expedition in the Smithsonian Collections (Crustacea: Portunidae)," by W. Stephenson and May Rees. 34 pages, 2 figures. 12 July 1967.
3600. "Genus *Gloiopotes* and a New Species with Notes on Host Specificity and Intraspecific Variation (Copepoda: Caligoida)," by Roger F. Cressey. 22 pages, 55 figures, 4 plates. 22 June 1967.

## Volume 123

3601. "Neotropical Species of Genus *Triplax* Herbst and Review of Genus *Haematochiton* Gorham (Coleoptera: Erotylidae)," by David H. Johnson. 25

- pages, 10 figures. 28 July 1967.
3602. "The Crayfishes and Their Epizoötic Ostracod and Branchiobdellid Associates of the Mountain Lake, Virginia, Region," by Horton H. Hobbs, Jr., Perry C. Holt, and Margaret Walton. 84 pages, 22 figures. 14 September 1967.
3603. "The Species of *Hermetia* of the *aurata* Group (Diptera: Stratiomyidae)," by Maurice T. James and Willis W. Wirth. 19 pages, 12 figures. 22 June 1967.
3604. "Revision of the Beetles of Genus *Glyptoscelis* (Coleoptera: Chrysomelidae)," by Doris H. Blake. 53 pages, 39 figures. 19 July 1967.
3605. "Observations on the Pelagic Distribution of Seabirds in the Western Indian Ocean," by Frank B. Gill. 33 pages, 2 figures. 9 August 1967.
3606. Review of the Genus *Odontodactylus* (Crustacea: Stomatopoda)," by Raymond B. Manning. 35 pages, 9 figures. 28 July 1967.
3607. "The Role of the Depressor Mandibulae Muscle in Kinesis of the Avian Skull," by Richard Zusi. 28 pages, 13 figures. 22 June 1967.
3608. "Studies of Neotropical Caddis Flies, IV: New Species from Mexico and Central America," by Oliver S. Flint, Jr. 24 pages, 71 figures. 22 June 1967.
3609. "An Application of Automatic Data Processing to the Study of Seabirds, I: Numerical Coding," by Warren B. King, George E. Watson, and Patrick J. Gould. 29 pages, 10 figures. 8 September 1967.
3610. Bredin-Archbold-Smithsonian Biological Survey of Dominica, 3: Marine Archiannelids from Dominica," by Ernst Kirsteuer. 6 pages, 1 figure. 6 July 1967.
3611. "Butterflies of the New Genus *Calystryma* (Lycaenidae: Theclinae, Strymonini)," by William D. Field. 31 pages, 23 figures, 3 plates. 9 August 1967.
3612. "A Review of the Valbyteuthidae and an Evaluation of Its Relationship with the Chiroteuthidae (Cephalopoda: Oegopsida)," by Clyde F. E. Roper and Richard E. Young. 9 pages, 1 figure, 4 plates. 4 August 1967.
3613. "Two New Crustaceans: The Parasitic Copepod *Sphaeronellopsis monothrix* (Choniostomatidae) and Its Myodocopid Ostracod Host *Parasterope pollex* (Cylindroleberidae) from the Southern New England Coast," by Thomas E. Bowman and Louis S. Kornicker. 28 pages, 7 figures, 1 plate. 28 July 1967.
3614. "Revision of the Cactus Plant Bug Genus *Hesperolabops* Kirkaldy (Hemiptera: Miridae)," by Richard C. Froeschner. 11 pages, 30 figures. 19 July 1967.
3615. "Revision of the Genus *Harmstonia* (Diptera: Dolichopodidae)," by Harold Robinson. 16 pages, 16 figures. 12 July 1967.
3616. "A Review of the Genus *Euparixia* with Description of a New Species from Nests of Leaf-Cutting Ants in Louisiana (Coleoptera: Scarabaeidae)," by Robert E. Woodruff and Oscar L. Cartwright. 21 pages, 13 figures, 2 plates. 8 September 1967.



3617. "Bredin-Archbold-Smithsonian Biological Survey of Dominica, 4: Two New Species of *Tiphia* from the West Indies (Hymenoptera: Tiphidae)," by Harry W. Allen. 4 pages, 1 figure. 19 July 1967.
3618. "Notes on the *demani* Section of Genus *Gonodactylus* Berthold with Descriptions of Three New Species (Crustacea: Stomatopoda)," by Raymond B. Manning. 27 pages, 8 figures. 31 July 1967.
3619. "Studies of Neotropical Caddis Flies, V: Types of the Species Described by Banks and Hagen," by Oliver S. Flint, Jr. 37 pages, 127 figures, 1 plate. 8 August 1967.
3620. "Neotropical Microlepidoptera, XV: Review of Genus *Thioscelis* (Lepidoptera: Stenomidae)," by W. Donald Duckworth. 11 pages, 12 figures, 1 map, 1 plate. 28 July 1967.
3621. "A New Crayfish from Alabama Caves with Notes on the Origin of the Genera *Orconectes* and *Cambarus* (Decapoda: Astacidae)," by Horton H. Hobbs, Jr. 17 pages, 21 figures. 6 October 1967.
3622. "Bredin-Archbold-Smithsonian Biological Survey of Dominica, 5: Family Stratiomyidae (Diptera)," by Maurice T. James. 23 pages, 18 figures. 15 November 1967.
3623. "*Caritus*, a New Genus of Caligoid Copepod, with a Key to the Genera of Caliginae," by Roger F. Cressey. 8 pages, 18 figures. 6 October 1967.

#### Volume 124

3624. "The Composition of the Allegan, Bur-Gheluai, and Cynthia Meteorites," by Brian Mason and A. D. Maynes. 12 pages. 6 October 1967.
3625. "Liberian Strepsiptera in the Smithsonian Collection with Descriptions of Seven New Myrmecolicidae," by Jean Walker Fox. 14 pages, 51 figures. 27 December 1967.
3626. "New Species of *Culicoides* from High Altitudes in the Colombian Andes (Diptera: Ceratopogonidae)," by Willis W. Wirth and Vernon H. Lee. 22 pages, 6 figures, 2 plates. 15 November 1967.
3627. "*Echiniphimedia*, an Amphipod Genus from the Antarctic Ocean," by J. Laurens Barnard. 15 pages, 6 figures. 28 December 1967.
3628. "Cyclopoid Copepods of the Genus *Paranthessius* Associated with Marine Pelecypods in Chile," by Arthur G. Humes. 18 pages, 43 figures. 28 December 1967.
3629. "A Recharacterization of *Collocalia papuensis* Rand, the Three-toed Swiftlet," by Soekarja Somadikarta. 8 pages, 2 figures. 28 December 1967.
3630. "Revision of the Milliped Genus *Cleptoria* (Polydesmida: Xystodesmidae)," by Richard L. Hoffman. 27 pages, 23 figures. 27 December 1967.
3631. "Status of Genera *Branchiobdella* and *Stephanodrillus* in North America with Description of a New Genus (Clitellata: Branchiobdellida)," by Perry C. Holt. 10 pages, 4 figures. 28 December 1967.
3632. "Two New Species of *Cartwrightia* from Central and South America

- (Coleoptera: Scarabaeidae: Aphodiinae)," by Oscar L. Cartwright. 8 pages, 3 plates. 27 December 1967.
3633. "Alloxenia in Three Sympatric African Species of *Cuculus*," by Herbert Friedmann. 14 pages. 28 December 1967.
3634. "Bredin-Archbold-Smithsonian Biological Survey of Dominica, 6: Synopsis of Bats of the Antillean Genus *Ardops*," by J. Knox Jones, Jr., and Albert Schwartz. 13 pages, 3 figures. 27 December 1967.
3635. "Bredin-Archbold-Smithsonian Biological Survey of Dominica, 7: Review of Bats of the Endemic Antillean Genus *Monophyllus*," by Albert Schwarz and J. Knox Jones, Jr. 20 pages, 1 figure. 27 December 1967.
3636. "Four New Fishes of the Genus *Parapercis* with Notes on Other Species from the Indo-Pacific Area (Family Mugiloididae)," by Leonard P. Schultz. 16 pages, 4 plates. 24 January 1968.
3637. "Population Characteristics and Nomenclature of the Hermit Thrush," by John W. Aldrich. 33 pages, 4 figures. 18 January 1968.
3638. "North American Triclad Turbellaria, 17: Freshwater Planarians from Lake Tahoe," by Masaharu Kawakatsu. 21 pages, 4 figures, 2 plates. 24 January 1968.
3639. "Studies in Pteromalidae in the U.S. National Museum (Hymenoptera)," by Karl-Johan Hedqvist. 11 pages, 6 figures. 31 January 1968.
3640. "New Records of Birds from the Hawaiian Leeward Islands," by Roger B. Clapp and Paul W. Woodward. 39 pages. 18 January 1968.
3641. "Stomatopod Crustacea from Madagascar," by Raymond B. Manning. 61 pages, 16 figures. 8 February 1968.
3642. "A New Subspecies of Parrotfish *Nicholsina ustus collettei* from the Eastern Atlantic Ocean," by Leonard P. Schultz. 5 pages, 1 figure, 1 plate. 26 January 1968.
3643. "Systematics and Distribution of the Monotypic Indo-Pacific Blennioid Fish Genus *Atrosalarias*," by Victor G. Springer and William F. Smith-Vaniz. 12 pages, 1 figure, 1 plate. 24 January 1968.
3644. "Studies in the Tiphidae, X: *Hylomesa*, a New Genus of Myzinine Wasp Parasitic on Larvae of Longicorn Beetles," by Karl V. Krombein. 22 pages, 5 figures, 1 plate. 24 January 1968.
3645. "Numerical Approaches to the Relationships of Certain American Swimming Crabs (Crustacea: Portunidae)," by W. Stephenson, W. T. Williams, and G. N. Lance. 25 pages, 4 figures. 28 March 1968.
3646. "The Taxonomic Status of *Dineutus serrulatus* and *Dineutus analis* in North America (Gyrinidae: Coleoptera)," by F. E. Wood. 9 pages, 11 figures. 13 February 1968.
3647. "The Suborders of Perciform Fishes," by William A. Gosline. 78 pages, 12 figures. 17 April 1968.
3648. "Additional Data on Brood Parasitism in the Honey-guides," by Herbert Friedmann. 8 pages. 8 February 1968.
3649. "The Species of the Subgenus *Leptoferonia* Casey (Coleoptera: Carabi-

- dae: *Pterostichus*)," by Hilary A. Hacker. 61 pages, 41 figures. 23 April 1968.
3650. "*Loxosomella* from *Tedania ignis*, the Caribbean Fire Sponge," by Klaus Rützler. 11 pages, 10 figures. 28 March 1968.

## Volume 125

## [FINAL VOLUME OF SERIES]

3651. "Notes on Aradidae in the U.S. National Museum, V (Hemiptera: Heteroptera)," by Nicholas A. Kormilev. 16 pages, 8 figures. 5 April 1968.
3652. "Isopoda and Tanaidacea from Buoys in Coastal Waters of the Continental United States, Hawaii, and the Bahamas (Crustacea)," by Milton A. Miller. 53 pages, 4 figures. 24 April 1968.
3653. "Caligid Copepods Parasitic on *Isurus oxyrinchus* with an Example of Habitat Shift," by Roger F. Cressey. 26 pages, 58 figures, 4 plates. 28 March 1968.
3654. "Neotropical Microlepidoptera, XVI: A New Genus and Two New Species of Oecophoridae (Lepidoptera)," by J. F. Gates Clarke. 8 pages, 3 figures, 2 plates. 28 March 1968.
3655. "Parallel Evolution in the Small Species of *Indicator* (Aves)," by Herbert Friedmann. 10 pages, 2 figures. 28 March 1968.
3656. "Copepod Crustaceans Parasitic on Fishes of Eniwetok Atoll," by Alan Lewis. 78 pages, 30 figures. 7 June 1968.
3657. "North and Central American Species of *Aneururus* Curtis (Hemiptera: Aradidae)," by Nicholas A. Kormilev. 12 pages, 19 figures. 17 May 1968.
3658. "Interspecific Competition in the Tropical Rain Forest: Ecological Distribution among Lizards at Belém, Pará," by A. Stanley Rand and Stephen S. Humphrey. 17 pages, 2 figures. 30 July 1968.
3659. "Records and Descriptions of Additional Scoliidae from New Guinea, Bismarck Archipelago, and Solomon Islands (Hymenoptera: Aculeata)," by Karl Krombein. 19 pages. 17 May 1968.
3660. "Neotropical Microlepidoptera, XVII: Notes and New Species of Phaloniidae," by J. F. Gates Clarke. 59 pages, 30 figures, 4 plates. 30 July 1968.
3661. "Cyclopoid Copepods of the Genus *Lichomolgus* Associated with Octocorals of the Family Nephtheidae in Madagascar," by Arthur G. Humes and Ju-Shey Ho. 41 pages, 113 figures. 4 June 1968.
3662. "Prospects in Primate Biology," by J. R. Napier. 30 pages, 2 figures, 1 plate. 8 April 1968.
3663. "Bredin-Archbold-Smithsonian Biological Survey of Dominica, 8: The Intertidal Balanomorph Cirripedia," by Arnold Ross. 23 pages, 3 figures. 25 June 1968.
3664. "Moore on the Hirudinea with Emphasis on His Type-specimens," by Marvin C. Meyer. 32 pages. 19 November 1968.

3665. "Bredin-Archbold-Smithsonian Biological Survey of Dominica, 9: The Trichoptera (Caddisflies) of the Lesser Antilles," by Oliver S. Flint, Jr. 36 pages, 231 figures. 13 December 1968.
3666. "Stomatopod Crustacea from West Pakistan," by Nasima M. Tirmizi and Raymond B. Manning. 48 pages, 17 figures. 13 December 1968.
3667. "Benthic Polychaetes from Puget Sound, Washington, with Remarks on Four Other Species," by Karl Banse and Katherine D. Hobson. 53 pages, 8 figures. 20 December 1968.
3668. "The Genus *Pterodrilus* (Annelida: Branchiobdellida)," by Perry C. Holt. 44 pages, 12 figures. 19 November 1968.

## INDEX TO USNM PUBLICATIONS

B=Bulletins of the United States National Museum  
 C=Contributions from the United States National Herbarium  
 P=Proceedings of the United States National Museum  
 MHT=Museum of History and Technology  
 USNM=United States National Museum

- Abbott, R. Tucker, P3222, P3292, P3328  
 Abiquiú [New Mexico], penitente moradas  
   of, B250 (paper 63)  
 Acaenitinae, B216 (pt. 2)  
 Acalypta, genus, lacebug, P3480  
 Acanthaceae of Colombia, C31 (pts. 1-3)  
 Acanthuridae, fishes of, P3482  
 Acari, P3275  
 Acarina, P3364  
 Accipitridae, B50 (pt. 11)  
 Acidoproctus, bird lice of, P3266  
 Acleris, genus, North American moths of,  
   P3469  
 Acrididae, P3416  
 Acrolophidae, family, moths of, P3475  
 Acrothoracica, B296  
 Actinian fauna of Gulf of California, P3282  
 Aculeata, P3659  
 Aczél, Martin L., P3343  
 Adena people, welcome mounds and effigy  
   pipes of, P3441  
 Admiralty Islands, butterflies of, P3227  
 Adney, Edwin Tappan, B230  
 Adrosko, Rita, B281  
 Aedes, genus, P3288  
 Aeschynomene, American species of, C32  
   (pt. 1)  
 Agricola's time, mine pumping in, B218  
   (paper 7)  
 Ahlborn, Richard E., B250 (paper 63)  
 Alabama, new crayfish from, P3297  
   caves, crayfish from, P3621  
 Alaska, fresh-water triclads of, P3322  
 Albatross, United States Fisheries  
   Steamer, B100 (vol. 14, pts. 3, 4), B161  
   (pt. 4), P3231  
 Albuquerque, New Mexico, fleas from Up-  
   per Sonoran Zone near, P3278  
 Aldrich, John W., P3637  
 Alebrini, tribe, leafhopper, P3386  
 Algae from Lesser Antilles, C36 (pt. 2)  
 Allegan meteorite, P3624  
 Allen, Harry W., P3617  
 Allolexia in African Cuculus, P3633  
 Alticinae from West Indies, P3477  
 al-Zahrawi's 10th-century surgical trea-  
   tise, B228 (paper 22)  
 Amblycera, suborder, bird lice of, P3331  
 Ambrysus, genus, naucorid bugs of, P3311  
 Ambulance, Red Cross, of 1898, in  
   MHT, B241 (paper 50)  
 America, 18th century, floor coverings in,  
   B250 (paper 59)  
   18th century, tea-drinking in, B225  
   (paper 14)  
 America north of Mexico, chalcid wasps  
   in, P3533  
   click beetles in, P3568  
   Cryptocephalus in, B290  
   cryptopid centipedes from, P3422  
   Diaperini of, P3515  
   flies of genus Rivellia, P3363  
   genus Cerceris in, P3506  
   genus Lexiphanes of, P3521  
   heleomyzid flies of, P3465  
   Ichneumon-flies of, B216 (pts. 1-3),  
   P3237  
   moths of family Acrolophidae in, P3475  
   Peoriinae and Anerastiinae of, B280  
   soldier fly larvae in, P3569  
   treehoppers in, P3234  
   weevils of, P3207, P3456  
 American Revolution, drug supplies in,  
   B225 (paper 16)  
 Americas south of the United States,  
   chrysomelid beetles of, P3338  
   spider wasps from, P3468  
 Ampeliscidae, Pacific, P3576  
 Amphisbaenians, neotropical Squamata,  
   B297 (pt. II)  
 Amphibia of Mexico, B194  
 Amphibians, type specimens of, in USNM,  
   B220

- Amphidromus, genus, land snails of, P3519  
 Amphigygnia, subgenus, Parmelia, C36 (pt. 5)  
 Amphipoda, B278, P3512, P3576  
   benthic, of Monterey Bay, California, P3541  
   gammaridean, of Cedros Trench, Baja, California, B260  
   gammaridean, of rocky intertidal of California, B258  
   marine gammaridean, B271  
   marine, of atolls in Micronesia, P3516  
   marine, of family Ampithoidae, P3522  
   of Morro Bay, California, P3565  
 Amphipod, commensal, from spiny lobster, P3299  
   from west coast of North America, P3489  
   genus Echiniphimedia from Antarctic Ocean, P3627  
   genus Parhyale, P3372  
   pelagic, Cyphocaris challengerii, P3588  
   pelagic, genus Parathemisto, P3439  
 Amphiprion, genus, P3323  
 Ampithoidae, family, marine Amphipoda of, P3522  
 Anaktuvuk Pass, birds of, B217  
 Anderson, Donald M., P3456  
 Anderson, William W., P3448  
 Andes, Colombian, Culicoides in, P3626  
 Andrenidae, family, bees of, P3281  
 Anemone, burrowing acontiate, from California, P3554  
 Anerastiinae of America north of Mexico, B280  
 Aneurus, genus, North and Central American species of, P3657  
 Angelfishes, freshwater, genus Pterophylum, P3555  
 Anglo-Egyptian Sudan, mammals of, P3377  
 Anisopodidae, P3578  
 Annelida, P3525, P3668  
 Annelids, benthic polychaetous, from Ber-  
   ing, Chukchi, and Beaufort Seas, P3511  
   marine, from Florida, P3250  
 Anolis lineatopus, iguanid lizard, P3595  
 Anoplura, P3393  
   rodent-infesting, of Thailand, P3421  
 Antarctic Ocean, amphipod genus Echiniphimedia from, P3627  
 Antennariidae, P3500  
   frogfishes of, P3383  
 Anthomyzidae, P3332  
 Anthracite in Lehigh Valley, Pennsylvania, B252 (paper 72)  
 Ants, leaf-cutting, in Louisiana, P3616  
 Aortic arch system of birds, P3346  
 Apalopteron, genus, bird, P3397  
 Aphodiinae, P3632  
   in the United States, P3425  
 Aphotaenius, new genus of dung beetle, P3295  
 Aphroditidae, B227  
 Apion subgenus Trichapion, P3418  
 Arachnoididae, B100 (vol. 14, pt. 3)  
 Aradidae, P3657  
   in USNM, P3413, P3483, P3548, P3651  
 Arc light, early, development of, in 19th century, B228 (paper 30)  
 Archbold Expedition, 6th, 1959, C37 (pt. 2)  
 Archiannelids, marine, from Dominica, P3610  
 Arctiidae, P3298, P3479  
 Ardops, genus, Antillean, bats of, P3634  
 Army, United States, uniforms at Smithsonian, headgear to 1884, B269 (vol. 1)  
 Arnett, Ross H., Jr., P3317, P3321, P3336, P3523  
 Asia, eastern, flies of family Conopidae from, P3432  
 Asilidae, B224  
 Astacidae, P3544, P3621  
 Asteroidea of *Blue Dolphin* Expeditions to Labrador, P3478  
 Atelecia, C32 (pt. 6)  
 Atlantic, eastern, parrotfish from, P3642  
   Hermatobates in, P3510  
   periwinkles, P3328  
   tropical, marine algae from, C36 (pt. 2)  
   western, serranid fishes from, P3405  
 Atopetholidae, family, of spiroboloid millipeds, P3426  
 Atrosalarias, genus, P3643  
 Auburndale Watch Company, B218 (paper 4)  
 Auplopus, genus, spider wasps of, P3468  
 Aurata group, species of Hermetia of, P3603  
 Automobile, collection of USNM, B198, B213  
   1893, Duryea, B240 (paper 34)  
 Aves, P3402, P3655  
 Avian skull, depressor mandibulae muscle in, P3607  
 Ayensu, Edward S., C34 (pt. 3)

- Bacon's Rebellion, effect of, on governments of England and Virginia, B225 (paper 17)
- Bahamas, Isopoda and Tanaidacea from coastal waters of, P3652
- Bahía Fosforescente, Puerto Rico, planktonic copepods from, P3513
- Bairdiidae, Recent, B295
- Baja California, sipunculid worms of, P3306
- Baker, Charles W., B279
- Baker, Edward W., P3238
- Balclutha, Western Hemisphere, P3581
- Balsbaugh, Edward U., Jr., P3512
- Baltia, genus, butterfly, P3396
- Bamboo, Formosan cossonine weevils of, P3380
- Banks, Nathan, P3619
- Banner, Albert N., P3334
- Banse, Karl, P3667
- Banta, William C., P3593
- Barnacle, ascothoracid, endoparasitic in *Ocotocorallia*, P3463  
 burrowing, B296  
 burrowing, from Jamaica, P3445  
 littoral, from Tuamotu, Marshall, and Caroline Islands, P3381
- Barnard, J. Laurens, B258, B260, B271, P3516, P3522, P3541, P3565, P3576, P3627
- Bartram, Edwin B., C37 (pt. 2)
- Bathing and swimming costume, women's, in the United States, B250 (paper 64)
- Bathypalaemonella pandaloides, shrimp, P3252
- Bathyteuthis, bathypelagic squid, B291
- Bats, American, of genera *Euderma* and *Plecotus*, P3417  
 new, from Panama, P3442  
 of Antillean genus *Ardops*, P3634  
 of endemic Antillean genus *Monophyllus*, P3635  
 of northern Colombia, P3246
- Battison, Edwin A., B218 (paper 4), B240 (paper 37)
- Bayer, Frederick M., P3276, P3357
- Beaufort, N. C., flatworms and nemerteans from, P3255
- Beaufort Sea, benthic polychaetous annelids from, P3511
- Bedini, Silvio A., B231, B240 (paper 35)
- Bees from Central America, P3233  
 from family *Andrenidae*, P3281  
 from Honduras, P3233
- Bee flies of the world, family *Bombyliidae*, B286
- Beetles, family *Cephaloidae*, P3321  
 cerambycid, of tribe *Rhinotrugini*, P3209  
 chrysomelid, of genus *Disonycha*, P3338  
 chrysomelid, of genus *Strabala*, P3319  
 chrysomelid, of subfamily *Chiamisinae*, P3283  
 click, of genus *Melanotus*, P3568  
 dung, *Aphotaenius*, new genus of, P3295  
 elaterid, of the world, P3336  
 galericine, P3395, P3528  
 longicorn, myziniine wasp parasitic on larvae of, P3644  
 meloid, of West Indies, P3428  
 new buprestid, from Mexico, Central and South America, and West Indies, P3240  
 North American, of subfamily *Geotrupinae*, P3342  
 of genus *Glyptoscelis*, P3604  
 of genus *Meligethes*, P3339  
 of genus *Myochrous*, P3271  
 of genus *Neobrotica*, P3529  
 of genus *Vasaces*, P3316  
 scarab, of genus *Bothynus*, P3409  
 scarab, of genus *Onthophagus*, P3467  
 scarab, of genus *Psammodytes*, P3344  
 scarabaeid, of genus *Bradycinetulus*, P3318  
 staphylinid, from Formosa, Japan, and South China, P3247  
 staphylinid, of Cayman Islands, P3213  
 Staphylinidae, B200
- Bewick [Thomas], wood engraving, B218 (paper 11)
- Beidleman, Richard G., P3406
- Belém, Pará, lizards at, P3658
- Belkin, John N., P3262
- Bell, Alexander Graham, Volta Laboratory, development of phonograph at, B218 (paper 5)
- Bent, Arthur Cleveland, B195, B196, B197, B203, B211, B237
- Berger, Andrew H., P3335
- Bering Sea, benthic polychaetous annelids from, P3511
- Berkebile, Don H., B218 (paper 9), B240 (paper 34)
- Berkeley, Edith and Cyril, polychaetes described by, P3553
- Berry, Frederick H., P3448
- Besleria, Peruvian species of, C38 (pt. 4)

- Betaeus, genus, shrimps of, P3490  
 Bibionidae, P3578  
 Big Bend region, Texas, Oedemeridae of, P3523  
 Bimini, Bahamas, parasitic crustacea from, P3280  
 Bird-flea, North American, P3394  
 Birds, aortic arch system of, P3346  
   from Hawaiian Leeward Islands, P3640  
   genus Apalopteron, P3397  
   helminth parasites of, P3274  
   North American, microcoeliid trematodes from, P3274  
   of Anaktuvuk Pass, Kobuk, and Old Crow, B217  
   of North and Middle America, B50  
   of northern Brazil and southern Venezuela, P3219  
   of Thailand, B226  
   type specimens of, in USNM, B221  
 Bishop, Philip W., B218 (paper 3)  
 Bismark Archipelago, Scoliidæ from, P3659  
 Blackbirds, North American, B211  
 Blackwelder, Richard, B185 (pts. 5, 6), B200, P3213  
 Blake, Doris Holmes, P3271, P3319, P3338, P3395, P3477, P3528, P3529, P3604  
 Blanchard, Emilio, Chilean Microlepidoptera described by, P3591  
 Blanton, Franklin, P3415  
 Blattoidea, P3461  
 Blenniidae, P3582  
   family, fishes of, B284  
 Blocker, H. Derrick, P3581  
 Blockship, Fulton's, B240 (paper 39)  
*Blue Dolphin* Expeditions to Labrador, Asteroidea of, P3478  
 Boats, skin, of North America, B230  
 Boat type, American, migrations of, B228 (paper 25)  
 Bohart, G. E., P3205  
 Bolbocerosoma, P3342  
 Bolivia, new grasses from, C29 (pt. 6)  
 Bollman, Wendel, engineering contributions of, B240 (paper 36)  
 Bombyliidae, family, bee flies of the world, B286  
 Bond, Gorman, P3471  
 Bonet, F., P3437  
 Boraria, genus, milliped, P3514  
 Borghesi astronomical clock, B240 (paper 35)  
 Boss, Kenneth J., B287  
 Botanical bibliography of islands of the Pacific, C30 (pt. 1)  
 Bothynus, genus, scarab beetles of, P3409  
 Bouseman, John K., P3428  
 Bousfield, E. L., P3512  
 Bowman, Thomas E., P3370, P3371, P3378, P3382, P3439, P3452, P3513, P3588, P3613  
 Boysen Reservoir Area, vertebrate fossil fauna of, P3296  
 Brachinecia campestris, P3447  
 Brachoria, genus, milliped, P3411  
 Braddock's campaign, conestoga wagons in, B218 (paper 9)  
 Bradycinetulus, genus, scarabaeid beetles of, P3318  
 Bram, Ralph, P3557  
 Branchinecta cornigera, P3392  
 Branchiobdella, genus, in North America, P3631  
 Branchiobdellidae, P3470, P3631, P3668  
 Branchiobdellid associates of crayfishes in Mountain Lake, Virginia, region, P3602  
 Branchiopoda Notostraca, P3291  
 Brazil, fresh-water Ostracoda from, P3258  
   northern, birds of, P3219  
   southern, origins of flora of, C35 (pt. 3)  
   southeastern, frogs of, B206  
 Bredin-Archbold-Smithsonian Biological Survey of Dominica, C37 (pt. 6), B292, P3577, P3578, P3610, P3617, P3622, P3634, P3635, P3663, P3665  
 Brittle-star, Schizostella, new genus of, P3307  
 Brizicky, George E., C34 (pt. 2)  
 Bromeliaceae, of Colombia, C33  
   studies in, C29 (pts. 7, 10, 11)  
 Brooks, A. R., P3416  
 Bryan [William Jennings], the campaigner, B241 (paper 46)  
 Bryozoa, P3593  
   of United States Navy Antarctic Expedition, P3358  
 Bucerotidae, amblyceran Mallophaga found on, P3558  
 Buck, John B., P3210  
 Bugbee, Robert E. P3533  
 Bugs, assassin, from USNM, P3217  
   assassin, of genus Ghilianella, P3440  
   cactus plant, genus Hesperolabops, P3614  
   naucorid, of genus Ambrysus, P3311  
   of subfamily Cylapinae, P3337  
   of tribe Termatophylini, P3348



- stink, of genus *Mecidea*, P3309  
 Venezuelan reduviid, P3340  
*Bulimulidae*, P3462  
 Buntings, North American, B237  
 Burcham, L. T., C30 (pt. 2)  
 Bur-Gheluai meteorite, P3624  
 Burkhart, Arturo, C29 (pt. 12)  
 Bushnell, Ralph, P3554  
 Butterflies, of Admiralty Islands, P3227  
   genera *Tatochila*, *Phulia*, *Piercolias*, *Baltia*,  
   P3396  
   genera *Theochila* and *Tatochila*, P3408  
   genus *Calycopis*, P3552  
   genus *Calystryma*, P3611  
 Butterflyfish from Hawaiian Islands, P3285  
 Byrd, Elon E., P3274
- Cacalioid genera, Mexican, C34 (pt. 6)  
 Cacao, C35 (pt. 6)  
 Caddis-fly, genus *Rhyacophila*, P3464  
   neotropical, P3473, P3559, P3608, P3619  
   of Lesser Antilles, P3665  
*Caecianiropsis psammophila*, P3376  
*Calanoida*, P3370, P3382, P3398, P3452,  
 P3567  
*Calanopia* from Caribbean, P3382  
 Caldwell, John S., P3234  
 California, bees from, P3281  
   burrowing acontiate anemone from,  
   P3554  
   chironomid midges of, P3435, P3481  
   Gulf of, actinian fauna of, P3282  
   marine asellote isopod from, P3376  
   northern, apseudid crustacean from,  
   P3251  
   northern, marine asellote isopods from,  
   P3293  
   northern, marine isopods from, P3273  
   rocky intertidal, gammaridean Amphipoda  
   of, B258  
   sipunculid worms of, P3306  
   southern, marine amphipoda from, P3522  
   southern, *Victorella* from, P3593  
*Caliginae*, P3623  
*Caligoida*, P3301, P3487, P3570  
*Calisiinae*, P3413  
 Caloric, age of, John Ericsson and, B228  
 (paper 20)  
 Calvert Cliffs, Maryland, Miocene porpoises  
 from, P3354, P3387  
*Calycopis*, genus, butterflies of, P3552  
*Calystryma*, genus, butterflies of, P3611
- Cammenidae*, P3519  
*Cambarincola*, genus, North American anne-  
 lid worms of, P3470  
*Cambarus*, genus, P3621  
   *fodiens*, P3230  
   *longulus*, P3544  
   new crayfish of, P3230  
 Cameron, Malcolm, P3247  
*Camissonia*, C37 (pt. 5)  
 Campbell, J. Duncan, B235  
*Campylonotidae*, P3252  
 Camras, Sidney, P3355, P3432, P3453  
*Candacia* from western North Atlantic,  
 P3370  
*Candionidae*, B50 (pt. 11)  
 Canoes, bark, of North America, B230  
 Canyon Ferry Reservoir area, fossil verte-  
 brates of, P3326  
 Cape Thompson region, Chuckchi Sea,  
 Alaska, euryhaline copepod in, P3534  
 Capparaceae, woods and flora of Florida  
 Keys, C34 (pt. 2)  
 Capps, Hahn W., P3223, P3520, P3551,  
 P3561  
*Caprellidae* of western North Atlantic,  
 B278  
*Capriles*, Maldonado, P3340  
*Carabidae*, P3649  
 Cardinals, North American, B237  
*Cardiochiles*, genus, Ichneumon-flies of,  
 P3237  
 Caribbean, *Calanopia* from, P3382  
   *Pycnogonida* of, P3216  
*Carigen*, Oskar, P3282  
*Caritus*, genus, caligoid copepod, P3623  
 Caroline Islands, littoral barnacles from,  
 P3381  
*Carposinidae*, family, American moths of,  
 B289  
*Carposinoidea*, B289  
 Carriker, Melbourne A., Jr., B248, P3254,  
 P3266, P3331, P3375, P3438, P3532  
 Cartwright, Oscar L., P3295, P3318,  
 P3344, P3409, P3467, P3616, P3632  
*Cartwrightia* from Central and South Amer-  
 ica, P3632  
 Carvalho, José C. M., P3337, P3348  
 Catamaran, Fulton's, B240 (paper 39)  
 Catfishes, callichthyid genus  
   *Corydoras*, P3498  
   genus *Noturus*, B282  
*Cathartidae*, B50 (pt. 11)  
 Cayman Islands, staphylinid beetles of,

- P3213  
 Cedros Trench, Baja California, gammari-  
 dean Amphipoda of, B260  
 Centipedes, cryptopid, from America  
 north of Mexico, P3422  
 lithobiomorphic, plectrotaxy in, P3459  
 of Smithsonian-Bredin Expedition to West  
 Indies, P3427  
 Central America, bees from, P3233  
 buprestid beetles from, P3240  
 Cartwrightia from, P3632  
 coleopterous insects of, B185 (pts. 5, 6)  
 land snails of, P3462  
 millipeds of, B266  
 neotropical caddis flies from, P3608  
 new grasses from, C29 (pt. 9)  
 Sphaerocera in, P3504  
 water-striders from, P3460  
 Cephaloidea, family, beetle, P3321  
 Cephalopoda, B291, P3612  
 Cephalopods of Philippine Islands, B234  
 Cerambycidae, West Indian, P3526  
 Ceratitis, genus, trypetid fly of, P3249  
 Ceratopogonidae, B283, P3626  
 Cerceris, genus, in America north of Mex-  
 ico, P3506  
 Ceresini, tribe, treehoppers of, P3234  
 Ceropalinae, subfamily, nearctic wasps of,  
 B209  
 Cetothere skeletons from Miocene Chop-  
 tank Formation of Maryland and Vir-  
 ginia, B294  
 Cetreliia, C34 (pt. 7)  
 Chace, Fenner A., Jr., B292, P3272, P3349,  
 P3466, P3536  
 Chaetodon tinkeri, P3285  
 Chaetodontidae, P3285  
 Chalcites, genus, glossy cuckoos of, P3335  
 Chiggers of genus Euschöngastia, P3364  
 Chile, central, genus Proculia from, P3501  
 China, Lake Erh Hai, copepods from, P3261  
 south, staphylinid beetles from, P3247  
 Chaetocalyx, C32 (pt. 3)  
 Chamberlin, Ralph V., B212  
 Chapelle, Howard I., B219, B228 (paper  
 21), B228 (paper 25), B230, B240  
 (paper 39)  
 Chapman, Wilbert M., B202 (vol. 2), P3310  
 Charitometridae, B82 (vol. 1, pt. 4c)  
 Chemsak, John A., P3526  
 Cherokia, genus, millipede, P3436  
 Cheyletidae, family, mites of, P3238  
 Chiamisinae, subfamily, chrysomelid beetles  
 of, P3283  
 Chile, cyclopoid copepods associated with  
 marine pelecypods in, P3628  
 pinecone fish from, P3365  
 Chilopoda, P3459  
 Chipman, Robert A., B240 (paper 38)  
 Chironominae of California, P3435  
 Chiroptera, P3246  
 Chiroteuthidae, P3612  
 Choniostomatidae, P3613  
 Chopard, Lucien, P3366  
 Chrysococcyx, avian genus, evolutionary  
 history of, B265  
 genus, glossy cuckoos of, P3335  
 Chrysogorgia, genus, Caribbean coral of,  
 P3276  
 Chrysomelidae, B290, P3521, P3604  
 Chukchi Sea, benthic polychaetous annelids  
 from, P3511  
 Cicadellidae, B261, P3386, P3484, P3581  
 Cicadellinae, B261  
 Cincia, genus, moths of, P3264  
 Cincinnati locomotive builders, B245  
 Cirrhitidae, P3270  
 hawkfishes of, P3472  
 Cirrhitus, genus, fishes from, P3270  
 Cirripedia, B296  
 intertidal balanomorph, P3663  
 Clain-Stefanelli, Elvira Eliza, B229 (papers  
 32, 33)  
 Clain-Stefanelli, Vladimir, B229 (paper 31)  
 Clapp, Roger B., P3640  
 Clark, Ailsa McGown, B82 (vol. 1, pt. 5)  
 Clark, Alvin, and sons, artists in optics,  
 B274  
 Clark, Austin Hobart, B82 (vol. 1, pts. 4b,  
 4c, 5), P3302, P3307  
 Clarke, J. F. Gates, P3457, P3480, P3502,  
 P3508, P3591, P3654, P3660  
 Clausidiidae, P3434  
 Clausillidae, family, gastropods of, P3269  
 Clay Bank, Gloucester County, Virginia,  
 excavations at, B249 (paper 52)  
 Clearing and staining small vertebrates, en-  
 zyme method of, P3596  
 Cleptoria, genus, millipede, P3630  
 Clipperton Island, non-brachyuran decapod  
 crustaceans of, P3466  
 Clitellata, P3631  
 Clock, astronomical, Borghesi, B240 (paper  
 35)  
 Clockwork, origin of, B218 (paper 6)  
 Clypeastridae, B100 (vol. 14, pt. 3)

- Cnemidophorus perplexus, lizard, P3406  
 Cochran, Doris M., B206, B220, B288  
 Cockerell, T. D. A., P3233  
 Cockroach, neotropical, genus *Macrophyl-  
lodromia*, P3461  
     recently established in United States,  
     P3315  
 Cohen, Daniel M., P3494  
 Coin engravers, Italian, since 1800, B229  
     (paper 33)  
 Colbry, Vera Lyola, C34 (pt. 1)  
 Coleoptera, B279 B290, P3295, P3380,  
     P3409, P3418, P3425, P3428, P3433,  
     P3456, P3477, P3515, P3521, P3526,  
     P3568, P3601, P3604, P3616, P3632,  
     P3646, P3649  
 Collette, Bruce B., P3518, P3550  
 Collins, Herbert R., B241 (papers 45, 50)  
 Collocalia papuensis, three-toed swiftlet,  
     P3629  
 Colobometridae, B82 (vol. 1, pt. 4b)  
 Colombia, Acanthaceae of, C31 (pts. 1-3)  
     Bromeliaceae of, C33  
     frogs of, B288  
     new grasses from, C29 (pt. 6)  
     northern, arboreal rice rats of, P3420  
     northern, bats of, P3246  
     northern, mammals of, P3208, P3214,  
     P3221, P3232, P3246, P3265, P3329,  
     P3420  
     northern, monkeys of, P3232  
     northern, rabbits of, P3265  
     northern, spiny rats of, P3214  
     northern, squirrels, P3208  
     northern, tapirs of, P3329  
     northern, water rats of, P3221  
 Comatulids, B82 (vol. 1)  
 Compass, origin of, B218 (paper 6)  
 Competition, interspecific, in tropical rain  
     forest, P3658  
 Compositae, C34 (pt. 6)  
 Conestoga wagons in Braddock's campaign,  
     B218 (paper 9)  
 Conger, genus, eels of, P3400  
 Congreve, Sir William, and his compound-  
     plate printing, B252 (paper 71)  
 Congruidae, P3450  
 Conopidae, P3355  
     family, Australian flies of, P3453  
     flies of, P3432  
 Conops, genus, New World flies of, P3355  
 Cook, Edwin F., B276  
 Cooke, C. Wythe, P3379  
 Cooper, Grace Rogers, B254  
 Copepoda, P3370, P3382, P3452, P3458,  
     P3567, P3570, P3600  
     free-living, from Ifaluk Atoll, Caroline  
     Islands, B236  
 Copepods, bathypelagic calanoid, of western  
     Indian Ocean, P3583  
     caligoid, genus *Caritus*, P3623  
     caligoid, genus *Dentigryps*, P3487  
     caligoid, of Hawaiian Islands, P3482  
     caligoid, parasitic on *Isurus oxyrinchus*  
     P3653  
     caligoid, parasitic on sharks, P3572  
     cyclopoid, associated with alcyonarian  
     coral, P3573  
     cyclopoid, associated with coral *Psamma-  
cora contigua*, P3586  
     cyclopoid, associated with marine pelecyp-  
     ods in Chile, P3628  
     cyclopoid, associated with octocorals in  
     Madagascar, P3661  
     euryhaline, genus *Eurytemora*, P3534  
     from Lake Erh Hai, China, P3261  
     genus *Corycaeus*, P3239  
     genus *Hemicyclops*, P3434  
     genus *Pupulina*, P3301  
     genus *Ridgewayia*, P3398  
     North American, of family *Notodelphyi-  
dae*, P3390  
     of Pacific Ocean, B100 (vol. 14, pt. 4)  
     parasitic, and myodocopid ostracod host,  
     P3613  
     planktonic, from Bahía Fosforescente,  
     Puerto Rico, P3513  
 Coral, alcyonarian, cyclopoid copepods  
     associated with, P3573  
     Caribbean, of genus *Chrysogorgia*, P3276  
     *Psammocora contigua*, P3586  
 Corycaeus, genus, new species of copepod  
     of, P3239  
 Corydoras, genus, callichthyid, catfish,  
     P3498  
 Cossoninae, P3380  
 Cowbirds, parasitic, host relations of, B233  
 Crabill, Ralph E., Jr., P3422, P3427, P3459  
 Crabs, American swimming, numerical ap-  
     proach to, P3645  
     oceanic, of genera *Planes* and *Pachygrap-  
sus*, P3272  
     portunid, from International Indian Ocean  
     Expedition, P3599  
     portunid, from Pacific and Indian Oceans,  
     P3556

- Crambidae, P3520, P3551  
 Crayfish, from Alabama caves, P3621  
   new, from Alabama, P3297  
   new, of genus *Cambarus*, P3230  
   of Mountain Lake, Virginia, P3602  
 Cressy, Roger, P3570, P3572, P3600,  
   P3623, P3653  
 Crickets, from South America, P3366  
   parasite of genus *Rhopalosoma*, P3313  
 Crinoids, existing, B82  
 Crustacea, B278, P3378, P3447, P3482,  
   P3487, P3512, P3564, P3576, P3589,  
   P3599, P3606, P3613, P3618, P3645,  
   P3652  
   parasitic, from Bimini, Bahamas, P3280  
   stomatopod, from Madagascar, P3641  
   stomatopod, from West Pakistan, P3666  
 Crustaceans, apseudid, of genus *Synapseu-*  
   *des*, P3251  
   copepod, parasitic on elasmobranch  
   fishes, P3524  
   copepod, parasitic on fishes of Eniwetok  
   Atoll, P3656  
   copepod, parasitic on teleost fishes,  
   P3574  
   decapod, from St. Helena Island, South  
   Atlantic, P3536  
   decapod, of West Indies, B292  
   mysidacean, of genus *Lophogaster*, P3446  
   non-brachyuran decapod, of Clipperton  
   Island, P3466  
 Cryptinae, P3369  
 Cryptocephalus in America north of Mexi-  
   co, B290  
 Ctenostomata, P3593  
 Cuatrecasas, José, C35 (pts. 2, 6)  
 Cuba, new subspecies of *Fundulus*, P3229  
 Cuckoos, glossy, of genera *Chrysococcyx*,  
   *Lampromorpha*, *Chalcites*, P3335  
   parasitic, African, P3374  
 Cuculus, African, alloxenia in, P3633  
 Culbertson, William Louis, C34 (pt. 7)  
 Culex subgenus *Culex*, P3557  
 Culicidae, P3557  
 Culicoides in Colombian Andes, P3626  
   biting midges of, P3415  
 Curculionidae, P3380, P3418, P3456  
 Cushman, R. A., P3206  
 Cyathostegia, C32 (pt. 6)  
 Cycle collection of USNM, B204  
 Cyclopoida, P3434  
 Cydnidae of Western Hemisphere, P3430  
 Cylapinae, subfamily, bugs of, P3337  
 Cylindroleberidae, P3613  
 Cynthiana meteorite, P3624  
 Cyphocaris challengeri, pelagic amphipod,  
   P3588  
 Cyrtandra in Fiji, C37 (pt. 4)  
 Data processing, automatic, in study of  
   seabirds, P3609  
 Decapoda, P3544, P3621  
 Dactylocythere, genus, P3587  
 Dall, William Healey, zoological taxa  
   of, B287  
 Darters, type specimens of, P3550  
 Das Gupta, Sujit Kumar, B283  
 Davis, Alonzo G., P3207  
 Davis, Donald R., B244, B255, B289  
 Decre, John, steel plow, B218 (paper 2)  
 Deignan, Herbert G., B221, B226, P3397  
 Deltotaria, genus, milliped, P3451  
 Demanii section of genus *Gonodactylus*,  
   P3618  
 Dennyus, genus, bird lice of, P3331  
 Dentigryps, genus, caligoid copepod, P3487  
 Denton, J. Fred, P3274  
 Deraeocorinae, P3348  
 Devon, North, pottery, B225 (paper 13)  
 Diakonoff, A., B257  
 Diamesinae, P3481  
 Diaperini of America north of Mexico,  
   P3515  
 Dineutus analis, P3646  
   serrulatus, P3646  
 Diplopoda, P3423  
 Diptera, B277, B283, P3294, P3332,  
   P3343, P3355, P3363, P3407, P3414,  
   P3415, P3465, P3504, P3557, P3562,  
   P3603, P3615, P3622, P3626  
   from Dominica, P3578  
 Disonycha, genus, chrysomelid beetles  
   of, P3338  
 Dixoria, genus, milliped, P3362  
 Dolichopodidae, P3615  
 Dominica, Bredin-Archbold-Smithsonian  
   Biological Survey of, C37 (pt. 6), B292,  
   P3577, P3578, P3610, P3617, P3622,  
   P3634, P3635, P3663, P3665  
   Diptera from, P3578  
   echinoids of, P3577  
   marine archannelids from, P3610  
   millipeds from, P3424  
   Myxomycetes from, C37 (pt. 6)  
 Donoso-Barros, Roberto, B297

- Dorosoma, clupeid fishes of, P3267  
 Downey, Maureen E., B264, B293  
 Drake, Carl J., B243, P3431, P3455, P3460, P3486  
     bibliography and index to scientific contributions of, B267  
 Dreisbach, R. R., P3468  
 Drug supplies in American Revolution, B225 (paper 16)  
 Dry Tortugas, Florida, copepod from, P3398  
 Duckworth, W. Donald, P3488, P3495, P3507, P3531, P3540, P3585, P3590, P3620  
 Dunkle, David H., P3401  
 Duryea automobile, 1893, B240 (paper 34)  
 Dussia, C32 (pt. 4)  
 Dyes, natural, in the United States, B281
- Earthworm, peregrine megascolecoid, *Pheretima hupeiensis*, 3351  
 East Africa, trypetid fly from, P3249  
 Eastern Hemisphere, lacebugs of, P3455  
 Easton, Alan M., P3339  
 Echimyidae, P3214  
 Echininus, P3328  
 Echiniphimedia, genus, P3627  
 Echinocorythidae, B100 (vol. 14, pt. 3)  
 Echinoderms from Marshall Islands, P3302  
 Echinoid, new, from North Carolina, P3379 of Dominica, P3577  
     Recent, type specimens in USNM and Museum of Comparative Zoology, B264  
 Echinoidea, B100 (vol. 14)  
 Echinolampadidae, B100 (vol. 14, pt. 3)  
 Echinoneidae, B100 (vol. 14, pt. 3)  
 Echiuroid fauna of North Pacific, P3248  
 Ecsenius, blennioid genus, fishes of, P3310  
 Ecuador, Grammitis in, C38 (pt. 3)  
     lizards of, P3545  
     new grasses from, C29 (pt. 6)  
     south coastal, Jambelí culture of, P3492  
 Eels, of genus *Conger*, P3400  
     *Paraconger*, genus, P3450  
 Effigy pipes of Adena people, P3441  
 Eiffel Tower, elevator systems of, B228 (paper 19)  
 Eisenberg, John F., P3597  
*Elaeocarpus* in New Hebrides, Fiji, Samoa, and Tonga, C30 (pt. 5)  
 Elateridae, P3568  
 Elbel, Robert E., P3558
- Electrical technology in 19th century, development of, B228 (papers 28–30)  
 Electrochemical cell, development of, in 19th century, B228 (paper 28)  
 Electromagnet, development of, in 19th century, B228 (paper 28)  
 Electromagnetic instruments, earliest, B240 (paper 38)  
 Elevator systems of Eiffel Tower, B228 (paper 19)  
 Emerson, K. C., B248  
 Emesinae, P3440  
 Empididae, P3562  
 Engineering, contributions of Wendel Bollman, B240 (paper 36)  
     reminiscences of George Escol Sellers, B238  
     tunnel, a museum treatment, B240 (paper 41)  
 England, government of, effect of Bacon's Rebellion on, B225 (paper 17)  
 Eniwetok Atoll, copepod crustaceans parasitic on fishes of, P3656  
 Entocytheridae, P3542, P3587  
 Entomacrodus, genus, circumtropical shorefish, P3582  
 Enzyme method of clearing and staining small vertebrates, P3596  
*Epeiromulona*, new genus, moths of, P3308  
 Ephialtinae, B216 (pt. 2)  
 Epicampes, C34 (pt. 4)  
 Epilampridae, P3461  
*Erichsonella pseudocultata*, P3371  
 Ericsson, John, and age of Caloric, B228 (paper 20)  
 Erotylidae, P3601  
 Erythrinae, subfamily, characid fishes of, P3499  
 Estrada, Emilio, P3492  
 Estrildinae, P3402  
 Etching technique, Rembrandt's, B250 (paper 61)  
*Etheostomatini*, P3550  
 Ethology, rodent, P3597  
*Eucanthus*, genus, P3342  
*Eucerceris*, genus, B268  
*Euchromius*, genus, New World moths of, P3551  
*Eudejeania*, genus, lavaevorid flies of, P3215  
*Euderma*, genus, American bats of, P3417  
*Euparixia*, genus, P3616  
*Euphilomedes arostrata*, P3563

- multichelata, P3566  
 Eurytemora, genus, euryhaline copepod, P3534  
 Eurytoma, genus, chalcid wasps of, P3533  
 Euryuridae, P3300  
 Eusceptis, genus, noctuid moths of, P3546  
 Euschöngastia, genus, chiggers of, P3364  
 Evaniidae, P3253  
 Evans, Clifford, P3492  
 Evolution, parallel, in species of Indicator, P3655  
 Ewan, Joseph, C29 (pt. 5), C35 (pt. 5)  
 Ewing, H. E., Protura described by, P3437  
 Excavations, at Clay Bank, Gloucester County, Virginia, B249 (paper 52)  
 at Rosewell, Gloucester County, Virginia, B225 (paper 18)  
 at Tutter's Neck, James City County, Virginia, B249 (paper 53)
- Falconidae, B50 (pt. 11)  
 Falculina, genus, P3531  
 Farber, Eduard, B240 (paper 40)  
 Farr, Marie L., C37 (pt. 6)  
 Farrell, Charles E., P3364  
 Fashion plates, origin and early history of, B250 (paper 60)  
 Fennah, R. G., P3350  
 Ferguson, Eugene S., B228 (paper 20), B228 (paper 27), B238  
 Fern types, studies of, C38 (pts. 2, 6) of William Roxburgh, C38 (pt. 7)  
 Fibulariidae, B100 (vol. 14, pt. 3)  
 Field, William D., P3264, P3286, P3298, P3308, P3396, P3408, P3479, P3552, P3611  
 Fiji, Cyrtandra in, C37 (pt. 4)  
 Elaeocarpus in, C30 (pt. 5)  
 flowering plants from, C37 (pt. 3)  
 Geniostoma in, C37 (pt. 1)  
 Meliaceae of, C30 (pt. 4)  
 Finches, North American, B237  
 Finlaya, subgenus, mosquitoes of, P3288  
 Fireflies, genus Pyraetonema, P3433  
 lampyrid, new, P3314  
 studies on, P3210  
 Fisher, Walter Kenrick, P3218, P3248, P3306  
 Fisher, W. S., P3209, P3240  
 Fishes, anemone, Indo-Pacific, P3323  
 apogonid, from Indo-Pacific, P3290  
 atherine, P3220
- berycoid, of family Polymixiidae, P3356  
 blenniid, from Indo-Pacific, P3643  
 characid, of subfamilies Lebiasininae and Erythrininae, P3499  
 characid, of subtribe Nannostomina, P3538  
 clupeid, of genus Dorosoma, P3267  
 clupeid, of genus Harengula, P3263  
 Cretaceous, North American, P3401  
 cyprinodont, of genus Fundulus, P3229  
 deep-sea, of family Myctophidae, P3211  
 elasmobranch, copepod crustaceans parasitic on, P3524  
 labrid, genus Wetmorella, P3327  
 marine, trematodes from, P3279  
 of blennioid genus Ecsenius, P3310  
 of Eniwetok Atoll, copepod crustaceans parasitic on, P3656  
 of family Acanthuridae, P3482  
 of family Blenniidae, B284  
 of family Percidae, P3518  
 of family Percophididae, P3347  
 of genus Cirrhitus, P3270  
 of genus Parapercis from Indo-Pacific, P3636  
 of Marshall and Marianas islands, B202 (vols. 1-3)  
 opndioid, genus Oligopus, P3494  
 perciform, suborders from, P3647  
 pinecone, from Chile, P3365  
 serranid, from western Atlantic, P3405  
 stargazer, from western North Atlantic, P3448  
 teleost, copepod crustaceans parasitic on, P3574  
 zoarcid, from North Pacific, P3598  
 Flatworms, from Beaufort, N. C., P3255  
 polyclad, of Micronesia, P3410  
 polyclad, from Polynesia and Micronesia, P3352  
 polyclad, from West Indies and Florida, P3341  
 Fleas from Upper Sonoran Zone, P3278  
 Fleminger, Abraham, P3370, P3567  
 Flies, acalyptrate, new genus of, P3368  
 acrocerid, of genus Pialea, P3373  
 Alaskan syrphid, P3256  
 Australasian stilt-legged, in USNM, P3294  
 Australian, of family Conopidae, P3453  
 from treetops in Malaya, P3562  
 fruit, of genus Tomoplagia, P3343  
 heleomyzid, of America north of Mexico, P3465  
 lavaevorid, of genus Eudejeania, P3215

- lavaevid, of tribe Leskiini, P3212  
 New World, of genus *Conops*, P3355  
 of family *Conopidae*, P3432  
 of family *Stratiomyidae*, P3228  
 of genus *Odinia*, P3414  
 of genus *Rivellia*, P3363  
 nearctic, of family *Periscelidae*, P3332  
 phorid, of Guam, P3205  
 soldier, larvae in America north of Mexico, P3569  
 trypetid, of genus *Ceratitis*, P3249
- Flint, Oliver S., Jr., P3464, P3473, P3491, P3530, P3559, P3608, P3619, P3665
- Floor coverings in 18th-century America, B250 (paper 59)
- Flora of Florida Keys, *Capparaceae*, C34 (pt. 2)  
 of southern Brazil, origins of, C35 (pt. 3)
- Florida, marine annelid from, P3250  
 polyclad flatworms from, P3341
- Florida Keys, woods and flora of, *Capparaceae*, C34 (pt. 2)
- Flosmaris, P3554
- Flowering plants from Fiji, C37 (pt. 3)
- Fluke, C. L., P3256
- Fluke, Oriental lung, intermediate snail host of, P3292
- Foramanifera, genus *Halyphysema*, P3385  
 of Tropical Pacific Collections, B161 (pt. 4)  
 studies in, B215
- Formosa, staphylinid beetles from, P3247
- FORTRAN II programs for analysis of morphometric data, B285
- Fossils, invertebrate, catalog of type specimens, B262  
 vertebrate, of Boysen Reservoir area, P3296  
 vertebrate, of Canyon Ferry Reservoir area, P3326
- Fouts, Robert M., P3225
- Fox, Jean Walker, P3625
- Frazier, Arthur H., B252 (paper 70)
- Freeze-dry preservation of biological specimens, P3549
- Frick, Kenneth E., P3407
- Friedman, Herbert, B50 (pt. 11), B208, B223, B233, B265, P3219, P3268, P3345, P3374, P3404, P3633, P3648, P3655
- Froeschner, Richard C., P3430, P3614
- Frogfishes from Indian and Pacific oceans, P3500  
 of family *Antennariidae*, P3383
- Frogs, of Colombia, B288  
 of southeastern Brazil, B206
- Fruit flies of Ryukyu Islands, B263
- Fulton [Robert], steam battery, blockship, catamaran, B240 (paper 39)
- Fundulus, genus, cyprinodont fishes of, P3229
- Furnaricola, genus, P3532
- Galatheidae, *Rhizocephala* parasitic on, P3403
- Galeoidea, P3537
- Galls, cynipid wasps from, P3304
- Gammaridae, B259
- Gammaridea, P3588
- Garrick, J. A. F., P3476, P3496, P3537
- Gasteruptionidae, P3259
- Gastropods of family *Clausillidae*, P3269
- Gehlbach, Frederick R., P3505
- Gelechiidae, P3502  
 nearctic, P3547
- Gelechioidea, P3495, P3497, P3547
- Gelinae, B216 (pt. 3)
- Generator, development of, in 19th century, B228 (paper 30)
- Geniostoma in New Hebrides, Fiji, Samoa, and Tonga, C37 (pt. 1)
- Gentians, shrubby, *Macrocarpaea*, a neotropical genus of, C29 (pt. 5)
- Geotrupes, P3342
- Geotrupinae, subfamily, North American beetles of, P3342
- Gerridae, P3510
- Gesneriaceae, C38 (pts. 1, 4)
- Ghilianella, genus, assassin bugs of, P3440
- Gilbert, Carter, P3539
- Gilbert, William, natural philosophy of, B218 (paper 8)
- Gill, Frank B., P3605
- Gill, Gordon D., P3465
- Gillett, George W., C37 (pt. 4)
- Ginsburg, Isaac, P3347
- Glance, Grace, P3303
- Gleicheniaceae, C38 (pt. 8)
- Glenny, Fred H., P3346
- Gloiopotes, genus, P3600
- Glossomatidae, P3473
- Glyptoscelis, genus, beetles of, P3604
- Goatfish genus *Upeneus*, P3330
- Goin, Coleman J., B288
- Goldberg, Aaron, C34 (pt. 5)

- Gonionota melobaphes, P3480  
 Gonioterma, genus, Brazilian moth, P3488  
 Gonodactylus, genus, demanii section of, P3618  
 Gonzalez, Juan G., P3452, P3513  
 Gooding, Richard U., P3434  
 Gorgonocephalidae, P3307  
 Gorgonolaureus, P3463  
 Gosline, William A., P3647  
 Gould, Augustus Addison, Recent Mollusca of, B239  
 Gould, Patrick J., P3609  
 Gramineae, C34 (pt. 4)  
 Grammitis in Ecuador, C38 (pt. 3)  
 Grant, William O., Jr., P3351  
 Graphidaceae, lichen family in Mexico, C36 (pt. 3)  
 Grass flora of certain Pacific islands, C30 (pt. 2)  
 Grasses, new, from Honduras, Colombia, Venezuela, Ecuador, Bolivia, Brazil, C29 (pt. 6)  
     from Mexico, Central America, and Surinam, C29 (pt. 9)  
 Grasshoppers of genus Melanoplus, P3416  
 Great Bahama Bank, myodocopid ostracod from, P3566  
 Grether, David F., P3227  
 Grainger, E. H., P3478  
 Grice, George D., P3583  
 Griffenhagen, George B., B218 (paper 10), B225 (paper 16)  
 Griffith, Fuller, B232  
 Grosbeaks, North American, B237  
 Grylloidea, P3366  
 Guam, Mallophaga from, P3254  
     phanerogams in flora of, C30 (pt. 3)  
     phorid flies of, P3205  
 Gurney, Ashley B., P3277, P3313, P3315, P3360, P3416  
 Guttiferac, C35 (pt. 5)  
 Gyalostethus, genus, milliped, P3514  
 Gynandromorphs, P3257  
 Gyrinidac, P3646  
  
 Hacker, Hillary A., P3649  
 Haematochiton, genus, P3601  
 Haemogamasinac, subfamily, mites of, P3275  
 Hagen, Hermann, P3619  
 Haimbrachia, genus, P3520  
 Hale, Mason E., Jr., C36 (pts. 1, 3-5)  
 Halyphysema, genus, Foramanifera, P3385  
 Hamarneh, Sami, B228 (paper 22), B240 (paper 43)  
 Hand, Cadet, P3554  
 Handley, Charles O., Jr., P3417, P3442  
 Harengula, genus, clupeid fishes of, P3262  
 Harmstonia, genus, P3615  
 Harpacticoidea, P3458  
 Harpsicord-building, Italian, B225 (paper 15)  
 Harris, Elizabeth M., B252 (paper 71)  
 Hart, Josephine F. L., P3490  
 Hartman, Olga, P3250  
 Hasbrouck, Frank F., P3475  
 Hassam, Childe, lithographs of, B232  
 Hatchetfishes, marine silver, P3449  
 Haustoriidae of New England, P3512  
 Hawaii, Isopoda and Tanaidacea from coastal waters of, P3652  
 Hawaiian Islands, butterflyfish from, P3285  
     caligid copepods of, P3482  
     copepod crustaceans parasitic on elasmobranch fishes of, P3524  
     copepod crustaceans parasitic on teleost fishes of, P3574  
 Hawaiian Leeward Islands, birds from, P3640  
 Hawkfishes, family Cirrhitidae, P3472  
 Hedgehogs of Turkey, P3517  
 Hedgpeth, Joel W., P3216, P3231, P3260  
 Hedqvist, Karl-Johan, P3639  
 Heinrich, Carl, B207  
 Heleidae, P3415  
 Heleomyzidae, P3465  
 Hemerobiidae, neotropical, in USNM, P3509  
     of western North America, P3503  
 Hemeroplanis, noctuid moths of, P3444  
 Hemiasteridae, B100 (vol. 14, pt. 3)  
 Hemicyclops, genus, copepods of, P3434  
 Hemiptera, B243, P3337, P3348, P3413, P3431, P3440, P3460, P3455, P3483, P3486, P3510, P3548, P3614, P3651, P3657  
 Hemisquilla ensigera, Australasian and American specimens of, P3564  
 Henderson, E. P., P3241, P3242, P3388  
 Henry, Dora Priaulx, P3381  
 Hermatobates in Atlantic Ocean, P3510  
 Hermetia, genus, of aurata group, P3603  
 Herpetological collections from Oaxaca, Mexico, P3284  
 Herpetology of Zuni Mountains region, New



- Mexico, P3504  
 Herrera, Jose, P3408  
 Herring, Jon L., P3510  
 Hershkovitz, Philip, B246, P3208, P3214, P3221, P3232, P3246, P3265, P3329, P3420  
 Hesperolabops, genus, cactus plant bug, P3614  
 Heteroptera, P3548, P3651  
 Hirudinea, [John Percy] Moore on, P3664  
 History, cultural, of Marlborough, Virginia, B253  
 Ho, Ju-Shey, P3573, P3586, P3661  
 Hobbs, Horton H., Jr., B292, P3230, P3297, P3542, P3587, P3602, P3621  
 Hobson, Katherine D., P3667  
 Hodges, Ronald W., P3485, P3547  
 Hoff, C. Clayton, P3278  
 Hoffman, John N., B252 (paper 72)  
 Hoffman, Richard L., B212, P3244, P3300, P3362, P3399, P3423, P3424, P3426, P3436, P3451, P3470, P3514, P3630  
 Hokkaido, Japan, cultural sequences in, P3443  
 Holcombe, Amasa, B228 (paper 26, part I)  
 Holcombe, Fitz, and Peate, telescope makers, B228 (paper 26)  
 Holothurian, psolid, genus *Lissothuria*, P3592  
 Holsinger, John R., B259  
 Holt, Perry C., P3602, P3631, P3668  
 Holthuis, L. B., P3252  
 Homoptera, B261, P3386, P3484, P3581  
 Honduras, bees from, P3233  
   new grasses from, C29 (pt. 6)  
 Honey-guides, B208, P3404  
   brood parasitism in, P3648  
 Hornbills, biting lice on, P3558  
 Host relations of parasitic cowbirds, B233  
 Howden, Henry F., P3342, P3467  
 Howell, Edgar M., B225 (paper 12), B235, B269  
 Howell, Louise Fitz, B228 (paper 26, part II)  
 Hower, Rolland O., P3549  
 Hsiao, Sidney C., P3261  
 Hull, Frank M., B224, B286  
 Hulsemann, Kuni, P3583  
 Hume, Ivor Noël, B225 (paper 18), B249 (papers 52, 53, 54)  
 Humes, Arthur, G., P3573, P3586, P3628, P3661  
 Humiriaceae, C35 (pt. 2)  
 Hummingbirds, lice of, P3438  
 Humphrey, Stephen S., P3658  
*Hylocichla ustulata*, thrush, P3471  
*Hylomesa*, genus, P3644  
 Hyman, Libbie H., P3333, P3341, P3352, P3410  
 Hymenophyllaceae, C38 (pt. 5)  
 Hymenophyllum, American species of, C29 (pt. 3)  
 Hymenoptera, B268, B270, P3243, P3253, P3259, P3359, P3389, P3419, P3468, P3506, P3617, P3639, P3659  
   serpheid, of family Roproniidae, P3224  
 Hyperiidace, P3439  
 Hyperiidea, P3439  
 Hyslop, J. A., P3336  
 Ichneumon-flies of America north of Mexico, B216 (pts. 1-3), P3237  
   of tribe Ophionini, P3206  
 Ichneumonidae, P3369, P3419  
 Ichthyology of Venezuela, P3235  
 Ictaluridae, B282  
 Idolatteria, genus, P3543  
 Ifaluk Atoll, Caroline Islands, free-living Copepoda from, B236  
 Illg, Paul L., P3245, P3390  
 Incurvariidae, B255  
 Indian Ocean, caligid copepods parasitic on sharks of, B3572  
   frogfishes from, P3500  
   portunid crabs from, P3556  
   western, bathypelagic calanoid copepods of, P3583  
   western, pelagic distribution of seabirds in, P3605  
 Indicator, parallel evolution in species of, P3655  
 Indo-Pacific, anemone fishes from, P3323  
   apogonid fishes from, P3290  
   blenniid fish from, P3643  
   fishes of family Cirrhitidae from, P3270  
   fishes of genus *Parapercis* from, P3636  
   tropical, labrid fish from, P3327  
 Insecta, P3419  
 Insects, cactus-feeding, B256  
   coleopterous, of Mexico, Central America, West Indies, South America, B185 (pts. 5, 6)  
   new species, of order Protura, P3303  
 International Indian Ocean Expedition, portunid crabs from, P3599  
 Invertebrate fossils, catalog of type speci-

- mens, B262  
 Irving, Laurence, B217  
 Ischnocera, suborder, bird lice of, P3375  
 Isophelliidae, P3554  
 Isopoda from coastal waters of United States, Hawaii, and Bahamas, P3652  
 Isopods, idotheid, of genus Ronalea, P3371  
 marine asellote, from California, P3376  
 marine asellote, from northern California, P3293  
 marine, from northern California, P3273  
 marine, from Texas, P3289  
 Issidae, family, lanternflies of, P3349  
 Isurus, genus, sharks of, P3537  
 oxyrinchus, caligoid copepods parasitic on, P3653  
 Italian coin engravers since 1800, B229 (paper 33)  
 Italian harpsichord-building, B225 (paper 15)
- Jackson, John Baptist, B222  
 Jaguar skeletons, Pleistocene, P3287  
 Jakobi, Hans, P3458  
 Jamaica, burrowing barnacle from, P3445  
 lampyrids from, P3210  
 Jambellí culture of south coastal Ecuador, P3492  
 James, Hugo A., P3544  
 James, Maurice T., P3212, P3228, P3603, P3622  
 Japan, staphylinid beetles from, P3247  
 Japanese waters, Pycnogonida collected in, P3231  
 Jerath, Manohar Lal, P3425  
 Johnson, David H., P3601  
 Johnson, Phyllis T., P3393, P3421  
 Johnson, Richard I., B239  
 Jones, J. Knox, Jr., P3634, P3635  
 Juan Fernandez Island, Microlepidoptera of, P3508
- Kainen, Jacob, B218 (paper 11), B222  
 Kanazawa, Robert H., P3400, P3450  
 Kawakatsu, Masaharu, P3638  
 Keegan, Hugh L., P3275  
 Keeton, William T., P3411  
 Kellogg, Remington, B205, B247 (pts. 1-2, 3-4, 5-8), B294, P3354, P3387  
 Kelsey, L. P., B277  
 Kendall, Edward C., B218 (paper 2)
- Kenk, Roman, P3322  
 Kidwell, Claudia B., B250 (paper 64)  
 Kier, Porter M., P3577  
 Killip, Ellsworth, C35 (pt. 1)  
 Kinematics of mechanisms from time of Watt, B228 (paper 27)  
 King, Warren B., P3609  
 King, W. James, B218 (paper 8), B228 (papers 28, 29, 30)  
 Kinglets, North American, B196  
 Kirby-Smith, H. T., P3287  
 Kirsteuer, Ernst, P3610  
 Kissinger, David G., P3418, P3474  
 Klaphor, Margaret Brown, B241 (papers 47, 49), B250 (paper 62)  
 Kloster, Donald E., B269  
 Knapp, Leslie W., P3550  
 Knight, Kenneth L., P3288  
 Kobuk, birds of, B217  
 Kormilev, Nicholas A., P3413, P3483, P3548, P3651, P3657  
 Kornicker, Louis S., P3566, P3571, P3580, P3594, P3613  
 Kramer, James P., P3484  
 Krombein, Karl V., P3257, P3644, P3659
- Labidocera jollae group, P3567  
 Labrador, marine polychaete worms from, P3361  
 Lacebugs, from Eastern Hemisphere, P3455  
 genera of the world, P3431  
 genus Acalypta, P3480  
 of the world, B243  
 Lachner, Ernest A., B202 (vol. 2), B202 (vol. 3), P3290, P3330, P3356  
 Laelaptidae, P3275  
 Laganidae, B100 (vol. 14, pt. 3)  
 La Jolla, California, gammaridean amphipoda of, B258  
 trematodes from marine fishes of, P3279  
 Lammidae, P3537  
 Lampromorpha, genus, glossy cuckoos of, P3335  
 Lampyridae, P3433  
 Lampyrids from Jamaica, P3210  
 Lance, G. N., P3645  
 Lanternflies of family Issidae, P3349  
 La Rivers, Ira, P3311  
 Lasiocampidae, B276  
 Latheticomyia, new genus of acalyptrate flies, P3368  
 Latrobe, Benjamin, decorates White House,

- B241 (paper 49)
- Lattin, John D., P3486
- Lawrence, R. F., P3312
- Leafhopper, subfamily Neocoelidiinae, P3484
- tribe Alebrini, P3386
- Leaf miners, agromyzid, from North America, P3407
- Lebiasininae, subfamily, characid fishes of, P3499
- Lee, Vernon H., P3626
- Leguminosae, C32 (pts. 1-6)
- Brazilian, C29 (pt. 12)
- Lehigh Valley, Pennsylvania, anthracite in, B252 (paper 72)
- Lent, Herman, P3217
- Lenzen, Victor F., B240 (paper 44)
- Leonard, Emery C., C31 (pts. 1, 2, 3)
- Lepidoptera, B244, B255, B276, B289, P3308, P3408, P3469, P3480, P3485, P3488, P3495, P3497, P3501, P3507, P3520, P3527, P3531, P3535, P3540, P3543, P3547, P3551, P3560, P3561, P3585, P3590, P3620, P3654
- Leporidae, P3265
- Leptoferonia, subgenus, P3649
- Leskiini, tribe, larvaevorid flies of, P3212
- Lesser Antilles, algae from, C36 (pt. 2)
- lanternflies of, P3349
- Trichoptera (caddisflies) of, P3665
- Letmorella, genus, labrid fish, P3327
- Leucinodes, P3223
- Lewis, Alan G., P3482, P3487, P3524, P3574, P3656
- Lexiphanes, genus, of America north of Mexico, P3521
- Libya, rodents of, B275
- Lice, bird, of genera Acidoproctus and Quadraceps, P3266
- bird, of suborder Amblycera, P3331
- bird, of suborder Ischnocera, P3375
- biting, found on hornbills, P3558
- biting, of genus Saemundsonia, P3353
- of hummingbirds, P3438
- sucking, of Thailand, P3421
- type specimens of, in USNM, P3393
- Lichen family Graphidaceae in Mexico, C36 (pt. 3)
- genera *Cetrelia* and *Platismatia*, C34 (pt. 7)
- Lichomolgus, genus, P3661
- Lincoln administration, White House china of, B250 (paper 62)
- Linder, Folke, P3291
- Linwood (Nebraska) meteorite, P3242
- Lissothuria, genus, psolid holothurian, P3592
- Lita group, P3547
- Lithobiomorpha, P3459
- Lithoglyptes spinatus, P3445
- Lithographs of Childe Hassam, B232
- Lithosiinae, P3298, P3479
- Lizards, at Belém, Pará, P3658
- Cnemidophorus perplexus*, P3406
- iguavid, *Anolis lineatopus*, P3595
- neotropical Squamata, B297 (pt. II) of Ecuador, P3545
- scale-mite parasites of, P3312
- Lobster, spiny, commensal amphipod from, P3299
- Locomotive, Cincinnati, builders, B245
- light passenger, *Pioneer*, B240 (paper 42)
- models in USNM, B210
- safety truck, B228 (paper 24)
- steam, in North America, B210
- Loeblich, Alfred R., Jr., B215, P3385
- Loganiaceae, C37 (pt. 1)
- Lomuna, genus, moths of, P3298
- Lonchura, P3402
- Loomis, H. F., B266, P3454
- Loosjes, F. J., P3269
- Lophogaster, genus, mysidacean crustaceans of, P3446
- Louisiana, leaf-cutting ants in, P3616
- Lowe, Charles H., Jr., P3406
- Loxodon, genus, shark, P3493
- Loxosomella from Caribbean fire sponge, P3650
- Loxostege, genus, P3561
- Loxotoma, genus, P3590
- Loyola e Silva, Jayme de, P3458
- Lycaenidae, P3552, P3611
- Lynch, James E., P3392, P3447
- Lysianassidae, P3588
- MacCord, Howard A., P3443
- MacGinitie, Nettie, P3412
- Macrocarpaea, neotropical genus of shrubby gentians, C29 (pt. 5)
- Macrophreata, B82 (vol. 1, pt 5)
- Macrophyllodromia, genus, neotropical cockroach of, P3461
- Madagascar, cyclopoid copepods associated with alcyonarian coral in, P3573
- cyclopoid copepods associated with coral

- Psammocora contigua*, P3586  
 cyclopoid copepods associated with octo-  
 corals in, P3661  
 stomatopod Crustacea from, P3641  
 Maddocks, Rosalie F., B295  
 Madison, Dolley, decorates White House,  
 B241 (paper 49)  
*Macmactes*, genus, weevils of, P3474  
*Malacosoma* in North America, B276  
 Malaya, flies from treetops of, P3562  
 Maldive Islands, myodocopid ostracod  
 from, P3563  
 Maldonado-Capriles, J., P3440  
 Mallophaga, B248, P3353, P3532  
 amblyceran, found on Bucerotidae,  
 P3558  
 from Guam, P3254  
 neotropical, P3266, P3331, P3375,  
 P3438  
 Mammals, fossil marine, from Miocene Cal-  
 vert Formation of Maryland and Vir-  
 ginia, B247 (pts. 1-8)  
 from Nile Delta region of Egypt, P3305  
 of Anglo-Egyptian Sudan, P3377  
 of northern Colombia, P3208, P3214,  
 P3221, P3232, P3246, P3265, P3329,  
 P3420  
 Recent, North American, B205  
 Mandibular muscle, depressor, in avian  
 skull, P3607  
 Mann, John, B256  
 Manning, Raymond B., P3589, P3606,  
 P3618, P3641, P3666  
*Manningia*, genus, P3589  
 Manter, Harold W., P3279  
 Manville, Richard H., P3584  
 Mao, Ying-Tou, P3237  
*Mariametrida*, B82 (vol. 1, pt. 4b)  
 Marianas Islands, fishes of, B202 (vols.  
 1-3)  
 Marks, Elizabeth N., P3288  
 Marlborough, Virginia, cultural history of,  
 B253  
 Marshall, N. B., P3327  
 Marshall Islands, echinoderms from, P3302  
 fishes of, B202 (vols. 1-3)  
 littoral barnacles from, P3381  
 shrimps from, P3349  
 Maslin, T. Paul, P3406  
 Masner, Lubomir, B270  
 Mason, Brian, P3624  
 Maynes, A. D., P3624  
 McCain, John C., B278, P3588  
 McDermott, Frank A., P3314, P3433  
 McFadden, Max W., P3569  
 McGrady, Edward, P3287  
 McGrath, William J., Jr., B228 (paper 26,  
 part III)  
 Mechanisms, kinematics of, from time of  
 Watt, B228 (paper 27)  
*Mecidea*, genus, stink bugs of, P3309  
 Medical Sciences [MHT], Division of, history  
 of, B240 (paper 43)  
 Meggers, Betty J., P3492  
 Melanians, P3325  
*Melanoplus*, genus, grasshoppers of, P3416  
*Melanotus*, genus, click beetles of, P3568  
 Melder, Keith, B241 (paper 46)  
 Meliaceae of Fiji, Samoa, and Tonga, C30  
 (pt. 4)  
*Meligethes*, genus, beetles of, P3339  
*Melochia*, C34 (pt. 5)  
 Menke, Arnold S., P3460  
 Menzies, Robert J., P3251, P3273, P3289,  
 P3293, P3371, P3376  
 Merrill, Elmer D., C30 (pt. 1)  
*Mesostenini*, B216 (pt. 3)  
 Meteorites, Allegan, Bur-Gheluai, and  
 Cynthiana, P3624  
 Linwood (Nebraska), P3242  
 Pima County (Arizona), P3241  
 Meteorological instruments, self-registering,  
 B228 (paper 23)  
 Meters, Price current, William Gunn Price  
 and, B252 (paper 70)  
*Metopiinae*, B216 (pt. 1)  
 Mexico, Amphibia of, B194  
 buprestid beetles from, P3240  
 coleopterous insects of, B185 (pts. 5, 6)  
 lichen family *Graphidaceae* in, C36 (pt.  
 3)  
 millipeds of, B266  
 neotropical caddis flies from, P3608  
 new grasses from, C29 (pt. 9)  
 north of, scarab beetles of, P3467  
 reptiles of, B199  
 water-striders from, P3460  
 Meyer, Marvin C., P3664  
*Mezirinae*, subfamily, P3483  
*Micasteridae*, B100 (vol. 14, pt. 3)  
*Microlepidoptera*, P3475  
 Chilean, described by Emilio Blan-  
 chard, P3591  
 neotropical, P3457, P3480, P3497,  
 P3501, P3502, P3527, P3531, P3535,  
 P3540, P3543, P3585, P3590, P3591,

- P3620, P3654, P3660  
 of Juan Fernandez Island, P3508  
 of Philippine Islands, B257  
 Micronesia, atolls in, marine amphipoda  
 of, P3516  
 polyclad flatworms from, P3352, P3410  
 Midges, biting, of genus *Culicoides*, P3415  
 of genus *Monohelea*, P3320  
 of genus *Stilobezzia*, P3315  
 chironomid, of California, P3435, P3481  
 Military insignia, American, B235  
 Miller, Gerrit S., Jr., B205  
 Miller, Milton A., P3652  
 Miller, Robert R., P3211, P3267  
 Millholland, James, and early railroad en-  
 gineering, B252 (paper 69)  
 Millipeds, Central American, P3300  
 from Dominica, P3424  
 genera *Boraria* and *Gyalostethus*, P3514  
 genus *Brachoria*, P3411  
 genus *Cherokia*, P3436  
 genus *Cleptoria*, P3630  
 genus *Deltotaria*, P3451  
 genus *Dixoria*, P3362  
 genus *Pachydesmus*, P3399  
 neotropical platyrhacid, P3423  
 new xystodesmid, from Virginia and West  
 Virginia, P3244  
 of Mexico and Central America, B266  
 of North America, B212  
 of Panama, P3454  
 spiroboloid, family *Atopetholidae*, P3426  
 Mine pumping in Agricola's time, B218  
 (paper 7)  
 Mink, sea, extinct, P3584  
 Miocene Calvert Formation of Maryland and  
 Virginia, fossil marine mammals from,  
 B247 (pts. 1-8)  
 Miocene Choptank Formation of Maryland  
 and Virginia, cetothere skeletons from,  
 B294  
 Miridae, P3614  
 neotropical, P3337, P3348  
 Mites, cactus-feeding, B256  
 of family *Cheyletidae*, P3238  
 of subfamily *Haemogamasinae*, P3275  
 Mollusca, P3519  
 marine, of Point Barrow, Alaska, P3412  
 Recent, of Augustus Addison Gould,  
 B239  
*Moncentris reedi*, P3365  
 Monkeys of northern Colombia, P3232  
 red howling, muscular system of, B273  
*Monohelea*, genus, biting midges of, P3320  
*Monophyllus*, genus, endemic Antillean,  
 bats of, P3635  
 Monroe, F., P3283  
 Monte, Oscar, P3236  
 Monterey Bay, California, benthic amphipoda  
 of, P3541  
 gammaridean amphipoda of, B259  
 Moore [John Percy], on Hirudinea, P3664  
 Morphometric data, FORTRAN II programs  
 for analysis of, B285  
 Morrison, J. P. E., P3325  
 Morro Bay, California, benthic Polychaeta  
 and Amphipoda of, P3565  
 Morse, Peter, B250 (paper 61)  
 Mortensen, Theodor, B100 (vol. 14, pt. 3)  
 Morton, C. V., C29 (pt. 3), C38 (pts. 1-8)  
 Mosquitoes, of genus *Tripteroides*, P3262  
 of subgenus *Finlaya*, P3288  
 Mosses of eastern highlands, New Guinea,  
 C27 (pt. 2)  
 Moths, American, of family *Carposini-*  
*dae*, B289  
 bagworm, of the Western Hemi-  
 sphere, B244  
 Brazilian, of genus *Gonioterma*, P3488  
 neotropical agaristine, P3560  
 New World, of genus *Euchromius*, P3551  
 noctuid, of genus *Euseptis*, P3546  
 noctuid, of *Hemeroplanis*, P3444  
 of family *Acrolophidae*, P3475  
 of family *Walshiidae*, P3485  
 of genera *Mulona* and *Lomuna*, P3298  
 of genus *Acleris*, P3469  
 of genus *Cincia*, P3264  
 of genus *Epeiromulona*, P3308  
 of genus *Paramulona*, P3286  
 of genus *Rhabdatomis*, P3479  
 of genus *Swammerdamia*, P3507  
 of subfamily *Phycitinae*, B207  
 of subfamily *Prodoxinae*, B255  
 pyraustid, of genus *Leucinodes*, P3223  
 Motorcycle collection of USNM, B198,  
 B213  
 Mountain Lake, Virginia, crayfishes of,  
 P3602  
 Muesebeck, Carl F. W., B270, P3359,  
 P3389  
*Mugiloididae*, P3636  
*Muhlenbergia*, C34 (pt. 4)  
 awnless annual species of, C29 (pt. 4)  
 Multhauf, Robert P., B218 (paper 7), B228  
 (paper 23, introduction), B228 (paper

- 26), B240 (paper 44)  
 Mulona, genus, moths of, P3298  
 Munro, H. K., B3249  
 Muscidae, P3562  
 Muscular system of red howling monkey, B273  
 Museum of Comparative Zoology, nearctic Trichoptera in, P3530  
 Recent echinoid type specimens in, B264  
 Museum of History and Technology, Contributions from, B218, B225, B228, B229, B240, B241, B249, B250, B252 presentation pieces in, B241 (paper 47)  
 Red Cross ambulance of 1898 in, B241 (paper 50)  
 Myctophidae, family, deep-sea fish of, P3211  
 Myochrous, genus, beetles of, P3271  
 Myodocopa, P3594  
 Myrmecolicidae, P3625  
 Mysidacea, P3378  
 of USNM, B201, P3334  
 Mysidopsis from southeastern coast of United States, P3378  
 Myxomycetes from Dominica, C37 (pt. 6)
- Nakahara, Waro, P3503, P3509  
 Namba, Ryoji, P3363  
 Nannostomina, subtribe, characid fishes of, P3499, P3538  
 Napier, J. R., P3662  
 National Geographic Society's Expedition to northern Brazil and southern Venezuela, P3219  
 Natural philosophy of William Gilbert, B218 (paper 8)  
 Nectomys, P3221  
 Nemertean from Beaufort, N. C., P3255  
 Neobrotica, genus, beetles of, P3529  
 Neocoelidiinae, subfamily, leafhopper, P3484  
 Nephthelidae, P3661  
 Neriidae, P3562  
 Neuroptera, P3360, P3503  
 Nevinson, John L., B250 (paper 60)  
 New England, Haustoriidae of, P3512  
 marine polychaete worms of, B227  
 southern, coast, parasitic copepod and its ostracod host from, P3613  
 New Guinea, eastern highlands, mosses of, C37 (pt. 2)  
 Scoliidae from, P3659
- New Hebrides, Elaccarpus in, C30 (pt. 5)  
 Geniostoma in, C37 (pt. 1)  
 Newman, William A., P3445  
 Newville, Leslie J., B218 (paper 5)  
 Nicholsina ustus collectei, P3642  
 Nigeria, southern, bembphilidinae wasps from, P3226  
 Nile Delta region, Egypt, mammals from, P3305  
 Nissolia, C32 (pt. 2)  
 Nitidulidae, P3339  
 Noctuidae, P3560  
 Nodilittorina, P3328  
 North America, agromyzid leaf miners from, P3407  
 and Middle America, birds of, B50  
 bark canoes and skin boats of, B230  
 biting midges in, P3315  
 Branchiopoda Notostraca of, P3291  
 chiggers in, P3364  
 coast, new species of copepod from, P3239  
 Dineutus serrulatus and Dineutus analis in, P3646  
 eastern, caddis-fly in, P3464  
 genera Branchiobdella and Stephanodrilus in, P3631  
 Malacosoma in, B276  
 millipeds of, B212  
 new ostracoderm from Upper Ordovician of, P3391  
 Pacific coast, shrimps on, P3490  
 parasitic wasps in, P3225  
 potential snail host of Oriental Schistosomiasis in, P3222  
 steam locomotives in, B210  
 Troginae in, B279  
 west coast, amphipods from, P3489  
 western, Hemerobiidae of, P3503
- North Atlantic, marine polychaete worms from, P3324  
 western, Candacia from, P3370  
 western, Caprellidae of, B278  
 western, Pycnogonida of, P3216  
 western, stargazer fishes from, P3448
- North Carolina, new echinoid from, P3379  
 North Pacific, echiuroid fauna of, P3248  
 marine polychaete worms from, P3324  
 zoarcid fish from, P3598
- Notodelphyidae, family, North American copepods of, P3390  
 Notostraca, Branchiopods, P3291  
 Noturus, catfish genus, B282

- Numerical approach to American swimming crabs, P3645
- Numismatic Collections, National, history of, B229 (paper 31)
- Numismatics, survey of its history, B229 (paper 32)
- Nuthatches, North American, B195
- Oak galls, American cynipid wasps from, P3384
- Oaxaca, Mexico, herpetological collections from, P3284
- Obraztsov, Nicholas S., P3469, P3501, P3527, P3535, P3543
- Octocorallia, P3357
- ascothoracid barnacle endoparasitic in, P3463
- Octocorals, cyclopoid copepods associated with, in Madagascar, P3661
- Odinia, genus, flies of, P3414
- Odiniidae, P3414
- Odontodactylus, genus, P3606
- Oecomys, subgenus, P3420
- Oecophoridae, P3480, P3502, P3654
- Oedemeridae of Big Bend region, Texas, P3523
- Oegopsida, B291, P3612
- Ogcodes, genus, of Western Hemisphere, P3429
- Old Crow, birds of, B217
- Oligochaeta, P3470
- Oligophreta, B82 (vol. 1, pt. 5)
- Oligopus, genus, ophidioid fish, P3494
- Oliver, Smith Hempstone, B198, B204, B210, B213
- Onagraceae, C37 (pt. 5)
- Onthophagus, genus, scarab beetles of, P3467
- Ophonini, tribe, Ichneumon-flies of, P3206
- Ophiuroid, Recent, type specimens in major collections in United States, B293
- Ophryastini, tribe, weevils of, P3207
- Optics, artists in, Alvin Clark and sons, B274
- Orconectes, genus, P3621
- Orcutt, Barbara S., P3426
- Orioles, North American, B211
- Ormosia, C32 (pt. 5)
- Ornithology of northeastern Venezuela, P3268, P3345
- Orosotricha, genus, P3502
- Orthoptera, P3416, P3461
- Øravig, Tor, P3391
- Oryzomys, genus, P3420
- Osborn, Dale J., P3517
- Ostracod, epizötic, associates of crayfishes in Mountain Lake, Virginia, region, P3602
- Ostracoda, B295, P3542, P3587, P3594
- fresh-water, from Brazil, P3258
- Ostracoderm from Upper Ordovician of North America, P3391
- Ostracods, P3587
- entocytherid, P3542
- host, myodocopid, parasitic copepod and, P3613
- myodocopid, families Philomedidae and Pseudophilomedidae, P3580
- myodocopid, from Great Bahama Bank, P3566
- myodocopid, from Maldive Islands, P3563
- myodocopid, from Red Sea, P3571
- Otitidae, P3363
- Pachydesmus, genus, milliped, P3399
- Pachygrapsus, genus, oceanic crabs of, P3272
- Pacific islands, botanical bibliography of, C30 (pt. 1)
- certain, grass flora of, C30 (pt. 2)
- plants, C30 (pts. 4, 5), C37 (pts 1, 3)
- Pacific, bathyal polynoids from, P3575
- copepods of, B100 (vol. 14, pt. 4)
- frogfishes from, P3500
- pelagic amphipod in, P3588
- pinecone fish from, P3365
- portunid crabs from, P3556
- tropical, collections, Foramanifera of, B161 (pt. 4)
- tropical, Foramanifera from, P3385
- Tunicata of USNM, B251
- Pakistan, West, stomatopod Crustacea from, P3666
- Palaeopneustidae, B100 (vol. 14, pt. 3)
- Palaeostomatidae, B100 (vol. 14, pt. 3)
- Palinorsa, genus, P3502
- Panama, biting midges from, P3415
- millipeds of, P3454
- new bats from, P3442
- Pandaridae, P3570
- Paraconger, genus, eels, P3450
- Paragonimus, P3292
- Paramulona, genus, moths of, P3286
- Paranthesius, genus, copepod, P3245,

- P3629  
 Parapercis, genus, fishes of, from Indo-Pacific, P3636  
 Parasites, helminth, of birds, P3274  
 scale-mite, of lizards, P3312  
 Parasitism, brood, in honey-guides, P3648  
 Parastenocaris from Santa Catarina, Brazil, P3458  
 Parasterope pollex, P3613  
 Parathemisto, genus, pelagic amphipod, P3439  
 Parfin, Sophy I., P3360  
 Parhyale, genus, amphipod, P3372  
 Parkes, Kenneth C., P3402  
 Parmelia, South American species of, C36 (pt. 1)  
 subgenus Amphigymania, C36 (pt. 5)  
 subgenus Parmelia, studies on, C36 (pt. 4)  
 Parmeliaceae, C34 (pt. 7)  
 Parodiz, Juan Jose, P3462  
 Parrotfishes, family Scaridae, B214  
 from eastern Atlantic, P3642  
 Passeriformes, B195, B196, B197  
 Passifloraceae, American species of, C35 (pt. 1)  
 anatomy and ontogeny of stem in, C34 (pt. 3)  
 Pate, V. S. L., P3226  
 Patent medicines, old English, B218 (paper 10)  
 Patents, United States, 1790-1870, B241 (paper 48)  
 Pawson, David L., P3592  
 Pearce, A. S., P3255, P3280  
 Pelecypods, marine, cyclopoid copepods associated with, in Chile, P3628  
 Peltogastridae, family, Rhizocophala of, P3403  
 Peltotrupes, P3342  
 Pendulums, gravity, development of, in 19th century, B240 (paper 44)  
 Penitente Moradas of Abiquiú, B250 (paper 63)  
 Penney, J. T., B272  
 Peoriinae of America north of Mexico, B280  
 Pepsinae, subfamily, nearctic wasps of, B209  
 Percidae, P3550  
 family, fishes of, P3518  
 Perciform fishes, suborders of, P3647  
 Percophididae, family, fishes of, P3347  
 Periscelidae, family, nearctic flies of, P3332  
 Periwinkles, Atlantic, P3328  
 Perpetual motion devices, origin of, B218 (paper 6)  
 Perry, Stuart H., P3241, P3242, P3388  
 Peruvian species of Besleria, C38 (pt. 4)  
 Peters, James A., B297, P3545  
 Pettibone, Marian H., B227 (pt. 1), P3324, P3361, P3525, P3553, P3575  
 Pettit, Jean, P3376  
 Phaloniidae, P3660  
 Phanerogams in flora of Guam, C30 (pt. 3)  
 Pheretima hupeiensis, peregrine megascolecid earthworm, P3351  
 Philippine Expedition, 1907-1910, B100 (vol. 14)  
 Philippine Islands, cephalopods of, B234  
 deep-sea fish from, P3211  
 gastropods from, P3269  
 Microlepidoptera of, B257  
 Philomedidae, P3580  
 Philopteridae, P3353  
 Phonograph, development of, at Alexander Graham Bell's Volta Laboratory, B218 (paper 5)  
 Phosphorus, history of, B240 (paper 40)  
 Photurus bethaniensis, P3314  
 Phulia, genus, butterfly, P3396  
 Phycitinae, subfamily, moths of, B207  
 Phyllopod, anostracan, from state of Washington, P3392  
 Phyllopora, P3447  
 Pialea, genus, acrocerid flies of, P3373  
 Piercolias, genus, butterfly, P3396  
 Pieridae, P3408  
 Pikea, genus, P3405  
 Pilargidae, P3525  
 Pima County (Arizona) meteorite, P3241  
 Pioneer, light passenger locomotive, B240 (paper 42)  
 Pippin, Richard W., C34 (pt. 6)  
 Pisces, P3550  
 Planarians, freshwater, from Lake Tahoe, P3638  
 three new cave, P3333  
 Planes, genus, oceanic crabs of, P3272  
 Plants, Pacific island, C30 (pts. 4, 5), C37 (pts. 1, 3)  
 South American, C29 (pt. 8)  
 Platismatia, C34 (pt. 7)  
 Platystomatidae, P3562  
 Plecotus, genus, American bats of, P3417  
 Plectrotaxy in lithobiomorphic centipedes, P3459



- Plow, steel, John Deere's, B218 (paper 2)  
 Podarmus ploa, pelagic, P3525  
 Podonominae, P3481  
 Podosemum, C34 (pt. 4)  
 Point Barrow, Alaska, marine mollusca of, P3412  
     marine polychaete worms from, P3324  
 Political campaign torches, B241 (paper 45)  
 Polychaeta, P3525, P3575  
     benthic, of Morro Bay, California, P3565  
 Polychaetes, benthic, from Puget Sound, Washington, P3667  
     described by Edith and Cyril Berkeley, P3553  
 Polydesmida, P3362, P3399, P3411, P3423, P3436, P3451, P3514, P3630  
 Polymixiidae, family, berycoid fish, P3356  
 Polynesia, polyclad flatworms from, P3352  
 Polynoidae, P3525, P3575  
 Polynoids, bathyal, from central and north-eastern Pacific, P3575  
 Pomatiopsis lapidaria, P3222  
 Porifera, B272  
 Porpoises, Miocene, from Calvert Cliffs, Maryland, P3354, P3387  
 Portland Catalogue, valid zoological names of, P3579  
 Portunidae, P3645  
 Potter, poor, of Yorktown [Virginia], B249 (paper 54)  
 Pottery, North Devon, B225 (paper 13)  
 Presentation pieces in MHT, B241 (paper 47)  
 Preston, F. W., B228 (paper 26, part III)  
 Price, William Gunn, and Price current meters, B252 (paper 70)  
 Primate biology, prospects in, P3662  
 Printing, compound-plate, Sir William Congreve and his, B252 (paper 71)  
 Procamburus lecontei, P3297  
 Proctotrupoidea, superfamily, parasitic wasps of, P3359  
     types of, in USNM, B270  
 Prodoxinae, B255  
 Proeulia, genus, from central Chile, P3501  
 Protura, described by H. E. Ewing, P3437  
     new species of insect of, P3303  
 Psammocharidae, P3468  
 Psammocora contigua, coral, P3586  
 Psammodius, genus, scarab beetles of, P3344  
 Pseudatteria, genus, P3535  
 Pseudocyclops from Puerto Rico, P3452  
 Pseudomeritastis, genus, P3527  
 Pseudophilomedidae, P3580  
 Psychidae, B244  
 Psychomyiidae, nearctic, P3491  
 Pteromalidae in USNM, P3639  
 Pterophyllum, genus, freshwater angelfishes of, P3555  
 Pterodrilus, genus, P3668  
 Pterostichus, genus, P3649  
 Puerto Rico, Pseudocyclops from, P3452  
 Puget Sound, Washington, benthic polychaetes from, P3667  
 Pulmonata, P3519  
 Pupulina, genus, copepod, P3301  
 Purnell, Louis, B262  
 Pycnaspis splendens, P3391  
 Pycnogonida collected in Japanese waters, P3231  
     of United States Navy Antarctic Expedition, P3260  
     of western North Atlantic and Caribbean, P3216  
 Pyractonema, genus, fireflies of, P3433  
 Pyraustidae, P3561  
 Pyraustinae, P3561  
  
 Quadriceps, bird lice of, P3266  
 Quate, Laurence W., P3568  
  
 Rabbits of northern Colombia, P3265  
 Racek, A. A., B272  
 Railroad engineering, early, James Millholland and, B252 (paper 69)  
 Rain forest, tropical, interspecific competition in, P3658  
 Ranck, Gary L., B275  
 Rand, A. Stanley, P3595, P3658  
 Randall, John E., P3472  
 Rats, arboreal rice, of northern Colombia, P3420  
     spiny, of northern Colombia, P3214  
     water, of northern Colombia, P3221  
 Raven, Peter, C37 (pt. 5)  
 Red Sea, myodocopid ostracods from, P3571  
 Reduviidae, P3440  
 Rees, May, P3556, P3599  
 Rehder, Harald A., P3579  
 Reinhard, Edward G., P3403  
 Reish, Donald J., P3511, P3565  
 Rembrandt's etching technique, B250 (paper 61)

- Reptiles, of Mexico, B199  
 type specimens of, in USNM, B220
- Rhabdatomis, genus, moths of, P3479
- Rhinotrugini, tribe, cerambycid beetles of, P3209
- Rhizocephala of family Peltogastridae, P3403
- Rhizoprionodon, genus, shark, P3493
- Rhopalosoma, genus, cricket parasite of, P3313
- Rhyacophila, genus, caddis-fly, P3464
- Rhyacophilidae, P3464, P3473
- Rhynobrissus cuneus, P3379
- Richards, O. W., P3504
- Ridgewayia, genus, copepod, P3398
- Rival, Luis René, P3229, P3263
- Rivellia, genus, flies of, P3363
- Robber flies of the world, B224
- Robinson, Harold, P3615
- Rocha e Silva Albuquerque, Isolda, P3461
- Rodents, ethology, P3597
- of Libya, B275
- Rodin, Robert, C30 (pt. 3)
- Rogers, Grace L., B218 (paper 1)
- Rogick, Mary D., P3358
- Ronalea, genus, idotheid isopod of, B3371
- Roper, Clyde F. E., B291, P3612
- Roproniidae, family, serphoid hymenoptera of, P3224
- Rosewater, Joseph, B287
- Rosewell, Gloucester County, Virginia, excavations at, B225 (paper 18)
- Ross, Arnold, P3663
- Roth, Rodris, B225 (paper 14), B250 (paper 59)
- Roxburgh, William, fern types of, C38 (pt. 7)
- Rudd, Velva E., C32 (pts. 1-6)
- Ruhoff, Florence A., B243, B267, B287, P3431, P3455
- Rutzler, Klaus, P3650
- Ryukyu Islands, fruit flies of, B263
- Sabrosky, Curtis, W., P3215, P3414
- Saemundsson, genus, biting lice of, P3353
- Sailer, R. I., P3309
- St. Helena Island, South Atlantic, decapod crustaceans from, P3536
- Salariinae, P3582
- Samoa, Elaeocarpus in, C30 (pt. 5)  
 Geniostoma in, C37 (pt. 1)  
 Meliaceae of, C30 (pt. 4)
- Santa Catarina, Brazil, Parastenocaris from, P3458
- Sarsiella, genus, P3594
- Savannah*, pioneer steamship, B228 (paper 21)
- Scarabaeidae, B279, P3295, P3342, P3409, P3425, P3616, P3632
- Scaridae, family, parrotfishes of, B214
- Scenopinidae of the world, B277
- Schistosomiasis, Oriental, potential snail host of, P3222
- Schizostella, new genus of brittle-star, P3307
- Schlinger, Evert I., P3373, P3429
- Scholfield wool-carding machines, B218 (paper 1)
- Schön, Miguel A., B273
- Schultz, Leonard P., B202 (vols. 1-3), B214, P3220, P3235, P3270, P3285, P3310, P3323, P3327, P3365, P3383, P3405, P3449, P3500, P3555, P3598, P3636, P3642
- Schwartz, Albert, P3634, P3635
- Scientific instruments, early American, B231
- Schiuridae, P3208
- Scoliidae from New Guinea, Bismarck Archipelago, and Solomon Islands, P3659
- Scoliodon, genus, shark, P3493
- Scolopendromorph genera of centipedes, P3422
- Screw-thread cutting, B240 (paper 37)
- Scullen, Herman A., B268, P3506
- Seabirds, automatic data processing in study of, P3609  
 pelagic distribution of, in western Indian Ocean, P3605
- Selander, Richard B., P3428
- Sellers, George Escol, engineering reminiscences of, B238
- Senecio, C34 (pt. 6)
- Sepsidae, P3562
- Setzer, Henry W., P3305, P3377
- Setzler, Frank M., P3441
- Sewing machine, invention of, B254
- Shaffer, Jay C., B280
- Shannon, Frederick A., P3284
- Sharks, caligid copepods parasitic on, P3572  
 carcharhinid, genera Scoliodon, Loxodon, Rhizoprionodon, P3493  
 hammerhead, P3539  
 of genus Isurus, P3537

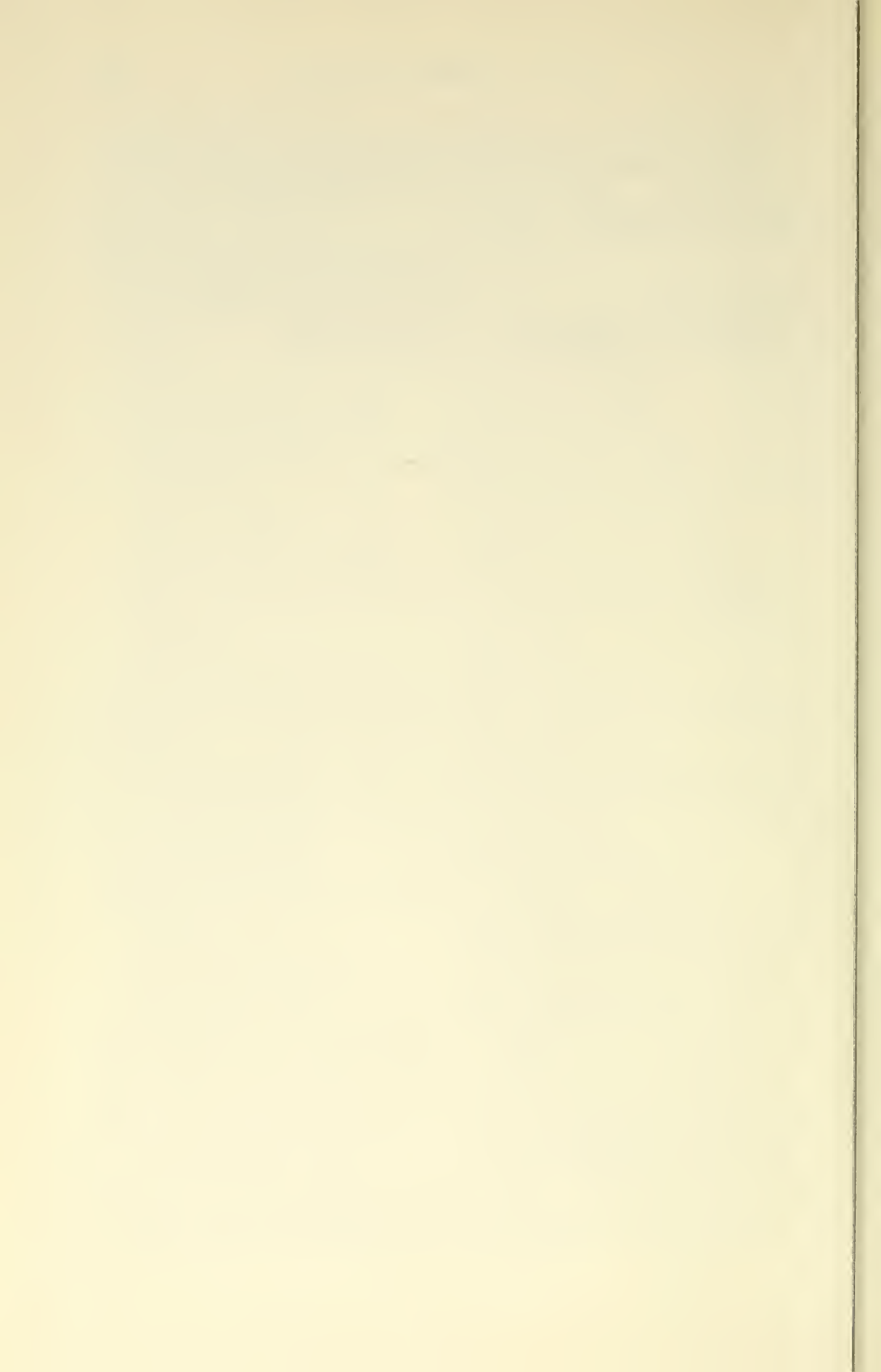
- vertebral numbers in, P3496  
 whale, embryo, P3476  
 Shiraki, Tokuchi, B263  
 Shoemaker, Clarence R., P3299, P3372, P3489  
 Shorefish, circumtropical, genus *Entomacrodus*, P3582  
 Short, J. R. T., P3419  
 Shortridge, John D., B225 (paper 15)  
 Shrews of Turkey, P3517  
 Shrikes, North American, B197  
 Shrimp, *Bathypalaemonella pandaloides*, P3252  
   fairy, from northwestern United States, P3447  
   from Marshall Islands, P3349  
   of genus *Betaeus*, P3490  
 Siam, gastropods from, P3269  
 Siderites, studies of seven, P3388  
 Sisyridae, P3360  
 Smicronyx, genus, weevil, P3456  
 Smit, F. G. A. M., P3394  
 Smith, A. C., C29 (pt. 8), C30 (pts. 4, 5), C37 (pts. 1, 3)  
 Smith, Foster D., Jr., P3345  
 Smith, Hobart M., B194, B199  
 Smith, Lyman B., C29 (pts. 7, 10, 11), C33, C35 (pts. 3, 4)  
 Smith-Vaniz, William F., P3643  
 Smithsonian-Bredin Expedition to West Indies, centipedes of, P3427  
 Sublette, James E., P3435, P3481  
 Snail host, intermediate, of Oriental lung fluke, P3292  
   potential, of Oriental Schistosomiasis, P3222  
 Snails, land, of genus *Amphidromus*, P3519  
   of South and Central America, P3462  
 Soderstrom, Thomas R., C34 (pt. 4)  
 Solem, Alan, P3519  
 Solla Price, Derek J. de, B218 (paper 6)  
 Solomon Islands, flies of family Stratiomyidae of, P3228  
   mosquitoes in, P3262  
   Scoliidae from, P3659  
 Somadikarta, Soekarja, P3629  
 Sonoran Zone, Upper, fleas from, P3278  
 South America, buprestid beetles from, P3240  
   *Cartwrightia* from, P3632  
   coleopterous insects of, B185 (pts. 5, 6)  
   crickets from, P3366  
   land snails of, P3462  
   Sphaerocera in, P3504  
 Sparrows, North American, B237  
 Spatangidae, B100 (vol. 14, pt. 3)  
 Sphaerocera in Central and South America, P3504  
 Sphaeroceridae, P3504  
 Sphaeronellopsis monothrix, P3613  
 Sphaerorionium, C29 (pt. 3)  
 Sphecidae, B268, P3506  
 Sphyrindae, family, P3539  
 Sponge, Caribbean fire, *Loxosomella* from, P3650  
   freshwater, revision of a collection, B272  
 Spongilla-flies of Western Hemisphere, P3360  
 Spongillidae, B272  
 Sporobolus, North American, C34 (pt. 1)  
 Springer, Victor G., B284, P3493, P3496, P3582, P3643  
 Squamata, neotropical, lizards and amphibiaenians, B297 (pt. II)  
 Squid, bathypelagic, *Bathyteuthis*, B291  
 Squirrels, northern Colombia, P3208  
 Staphylinidae, beetle family, B200  
 Steam battery, Fulton's, B240 (paper 39)  
 Steamship, pioneer, *Savannah*, B228 (paper 21)  
 Steel, cheap, beginnings of, B218 (paper 3)  
 Stehr, Frederick W., B276  
 Stenomidae, P3488, P3497, P3531, P3540, P3585, P3590, P3620  
   North American, P3495  
 Stephanidae, P3243  
 Stephanodrilus, genus, in North America, P3631  
 Stephenson, William, P3556, P3563, P3599, P3645  
 Sterculiaceae, C34 (pt. 5)  
 Stern, William L., C34 (pt. 3)  
 Sternoptychidae, family, P3449  
 Steyskal, George C., P3294, P3562  
 Stieffel, Herman, B225 (paper 12)  
 Stilobezia, Oriental species of, B283  
 Stilobezzia, genus, biting midges of, P3315  
 Stomatopoda, P3564, P3589, P3606, P3618  
 Stone, Alan, P3578  
 Stone, Benjamin C., C37 (pt. 1)  
 Strabala, genus, chrysomelid beetles of, P3319  
 Stratiomyidae, P3603, P3622  
   flies of, of Solomon Islands, P3228  
 Strepsiptera, Liberian, in Smithsonian collections, P3625

- Stridulivelia, subgenus, water-striders of, P3460  
 Strymonini, P3611  
 Sturtevant, A. H., P3332  
 Stygonectes, amphipod genus, B259  
 Surgical treatise, 10th-century, al-Zahrawi's, B228 (paper 22)  
 Surinam, new grasses from, C29 (pt. 9)  
 Swallen, Jason R., C29 (pts. 4, 6, 9)  
 Swammerdamia, genus, North American moths of, P3507  
 Swiftlet, three-toed, Collocalia papuensis, P3629  
 Synapseudes, genus, apseudid crustacean of, P3251  
  
 Tachygonus, genus, weevils of, P3236  
 Tahoe, Lake, freshwater planarians from, P3638  
 Tamolang, Francisco N., C34 (pt. 2)  
 Tanagers, North American, B211  
 Tanaidacea, P3251  
     from coastal waters of United States, Hawaii, and Bahamas, P3652  
 Tanning in the United States to 1850, a brief history, B242  
 Tanypodinae, P3481  
 Tapirs of northern Colombia, P3329  
 Tapirus, P3329  
 Tash, Jerry C., P3534  
 Tattersall, O. S., P3446  
 Tattersall, Walter M., B201, P3334  
 Tatochila, genus, butterfly, P3396, P3408  
 Taylor, Edward H., B194, B199  
 Taylor, William Ralph, P3596  
 Taylor, William Randolph, C36 (pt. 2)  
 Tectarius, P3328  
 Tea-drinking in 18th-century America, B225 (paper 14)  
 Tedania ignis, Caribbean fire sponge, P3650  
 Teiidae, P3406  
 Telegraph, development of, in 19th century, B228 (paper 29)  
 Telephone, development of, in 19th century, B228 (paper 29)  
 Telescope makers, Holcombe, Fitz, and Peate, B228 (paper 26)  
 Templeton, Harvey, P3287  
 Termatophylini, tribe, bugs of, P3348  
 Terns, biting lice on, P3353  
 Terphritidae, P3343  
 Texas, marine isopod from, P3289  
     new cray fish from, P3230  
 Thailand, birds of, B226  
     land snails of, P3519  
     rodent-infesting Anoplura of, P3421  
 Thalassometridae, B82 (vol. 1, pt. 4c)  
 Theclinae, P3552, P3611  
 Theobroma, C35 (pt. 6)  
 Theochila, genus, butterfly, P3408  
 Thiara granifera, P3292  
 Thioscelis, genus, P3620  
 Thompson, Sarah E., P3568  
 Thrashers, North American, B195  
 Thrush, hermit, P3637  
     Hylocichla ustulata, P3471  
     North American, B196  
 Timberlake, P. H., P3281  
 Tingidae, B243, P3431, P3455, P3486  
 Tiphia from West Indies, P3617  
 Tiphidae, P3617  
     studies in, P3644  
 Tirmizi, Nasima M., P3666  
 Todd, E. L., P3444, P3456, P3560  
 Todd, Ruth, B161 (pt. 4)  
 Tokioka, Takasi, B251  
 Tomlinson, Jack T., B296, P3445  
 Tomoplagia, genus, fruit flies of, P3343  
 Tonga, Elaeocarpus in, C30 (pt. 5)  
     Geniostoma in, C37 (pt. 1)  
     Meliaceae of, C30 (pt. 4)  
 Tortricidae, P3469, P3501, P3527, P3535, P3543  
 Towhees, North American, B237  
 Townes, Henry, B209, B216 (pts. 1, 2, 3), P3224, P3243, P3253, P3259, P3367  
 Townes, Marjorie, B216 (pts. 1, 2, 3)  
 Treehoppers of tribe Ceresini, P3234  
 Tre matodes, dicrocoeliid, from North American birds, P3274  
     from marine fishes, P3279  
 Tressler, Willis L., P3258  
 Trichantha, C38 (pt. 1)  
 Trichapion, subgenus, apion, P3418  
 Trichoptera, P3464, P3473, P3491  
     nearctic, in Museum of Comparative Zoology, P3530  
     of Lesser Antilles, P3665  
 Triclads, fresh-water, of Alaska, P3322  
 Tridactyloidea, P3366  
 Trimorus, genus, parasitic wasps of, P3225  
 Triplax, genus, neotropical species of, P3601  
 Triplehorn, Charles A., P3515  
 Tripteroides, genus, mosquitoes of, P3262

- Trochiliphagidae, P3438  
 Trochochaetidae, B227  
 Troginae in North America, B279  
 Trombiculidae, P3364  
 Tropiometrida, B82 (vol. 1, pts. 4b, 4c)  
 Tuamotu, littoral barnacles from, P3381  
 Tubipora musica, P3573  
 Tunicata, Pacific, of USNM, B251  
 Tunnel engineering, a museum treatment, B240 (paper 41)  
 Turbellaria, P3322  
   triclad, North American, P3333, P3638  
 Turkey, hedgehogs and shrews of, P3517  
 Tutter's Neck, James City County, Virginia, excavations at, B249 (paper 53)  
 Tuxen, S. L., P3437  
 Tyliidae, P3294
- United States, Army uniforms at Smithsonian, headgear to 1854, B269 (vol. 1)  
   Aphodiinae in, P3425  
   eastern, coasts of, fishes of family Percophilidae from, P3347  
   eastern, peregrine megascolecid earthworm in, P3351  
   Isopoda and Tanaidacea from coastal waters of, P3652  
   natural dies in, B281  
   northwestern, fairy shrimp from, P3447  
   scarab beetles in, P3409  
   scarabaeid beetles in, P3318  
   southeastern coast, Mysidopsis from, P3378  
   two cockroaches recently established in, P3314  
   women's bathing and swimming costume in, B250 (paper 64)  
 United States National Museum, Aradidae in, P3413, P3483, P3548, P3651  
   assassin bugs from, P3217  
   Australasian still-legged flies in, P3294  
   automobile and motorcycle collection of, B198, B213  
   cycle collection of, B204  
   locomotive models in, B210  
   mites in, P3238  
   Mysidacea of, B201, P3334  
   mysidacean crustaceans in, P3446  
   neotropical Hemerobiidae in, P3509  
   neotropical wasps in, P3389  
   Pacific Tunicata of, B251  
   Pteromalidae in, P3639
- publications of, B193, B193 (Supplement 1), B298  
   Recent echinoid type specimens in, B264  
   trypetid fly in, P3249  
   types of Proctotrupeoidea in, B270  
   type specimens of amphibians in, B220  
   type specimens of birds in, B221  
   type specimens of lice in, P3393  
   type specimens of reptiles in, B220  
   weevils in, P3236  
 United States Navy Antarctic Expedition, Bryozoa of, P3358  
   Pycnogonida of, P3260  
 Upeneus, genus, goatfish, P3330  
 Uranoscopidae, P3448  
 Urechinidae, B100 (vol. 14, pt. 3)  
 Utinomi, Huzio, P3463
- Valbyteuthidae, P3612  
 Van Cleave, Harley J., P3279  
 Vasaces, genus, beetles of, P3317  
 Veliidae, P3460  
 Velloziaceae, American, C35 (pt. 4)  
 Venezuela, ichthyology of, P3235  
   new grasses from, C29 (pt. 6)  
   northeastern, ornithology of, P3268, P3345  
   reduviid bugs of, P3340  
   southern, birds of, P3219  
 Vertebrates, small, enzyme method of clearing and staining, P3596  
 Vervoort, Willem, B236  
 Victorella from southern California, P3593  
 Vireos, North American, B197  
 Virginia, government of, effect of Bacon's Rebellion on, B225 (paper 17)  
   new xystodesmid millipeds from, P3244  
 Vismia, South American species of, C35 (pt. 5)  
 Vittate species of chrysomelid beetles, P3338  
 Vogel, Robert M., B228 (paper 19), B240 (paper 36), B240 (paper 41)  
 Volta Laboratory, Alexander Graham Bell's, development of phonograph at, B218 (paper 5)  
 Voss, Gilbert L., B234
- Wagner, Warren Herbert, P3227  
 Wagtails, North American, B197  
 Walker, Egbert H., C30 (pts. 1, 3)  
 Walkley, Luella M., B3359, P3369

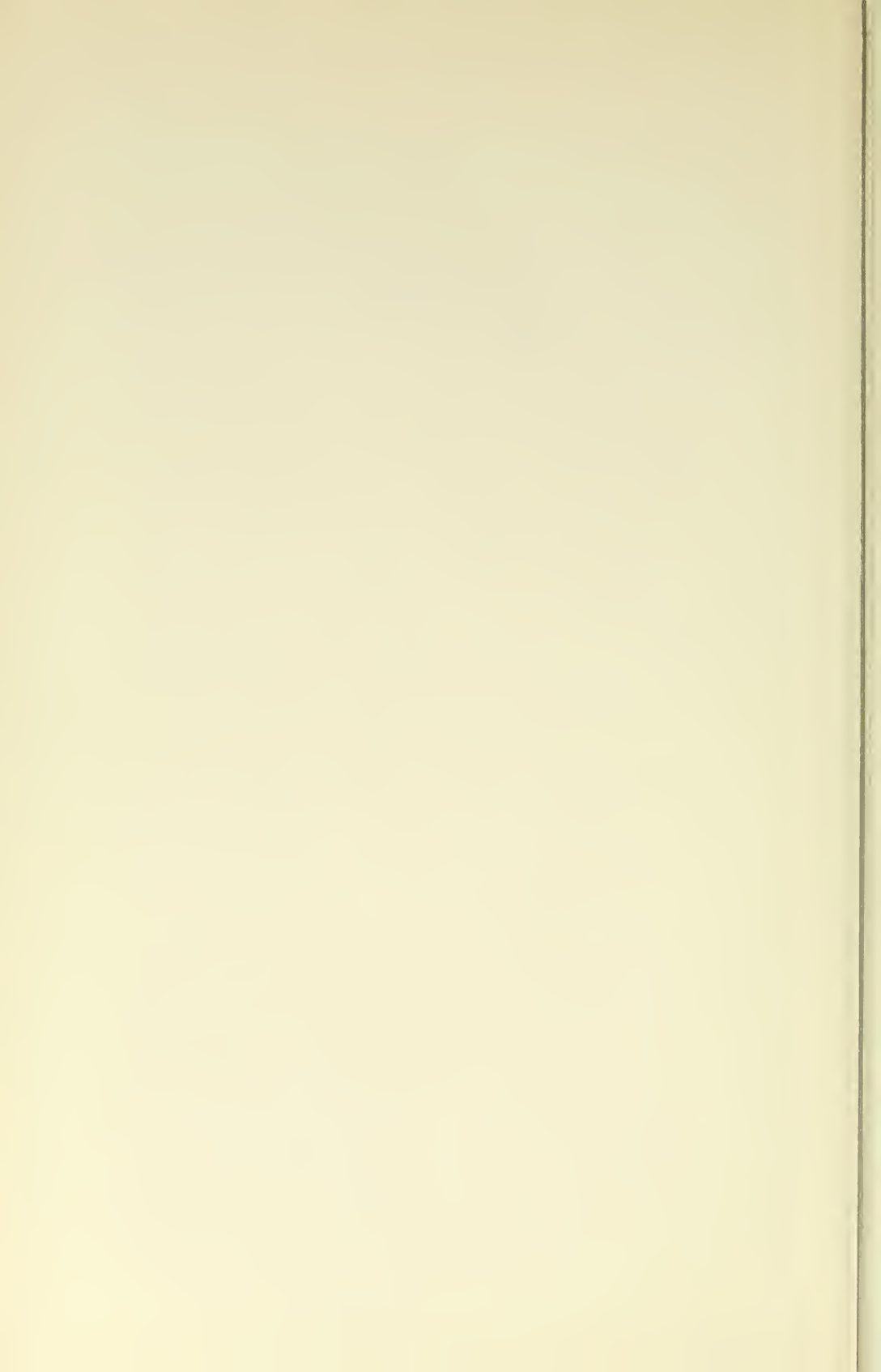
- Waller, Thomas R., B285  
 Walshiidae, family, North American moths of, P3485  
 Walton, Margaret, P3542, P3602  
 Ward, Ronald A., P3353  
 Warner, Deborah Jean, B274  
 Washburn, Wilcomb E., B225 (paper 17)  
 Washington, state of, anostracan phyllopod from, P3392  
 Wasps, American cynipid, from oak galls, P3384  
   bemphlidiine, from southern Nigeria, P3226  
   brachycyrtine, of the world, P3369  
   chalcid, of genus *Eurytoma*, P3533  
   cynipid, from galls, P3304  
   myziniine, parasitic on larvae of longicorn beetles, P3644  
   nearctic, of subfamilies Pepsinae and Ceropalinae, B209  
   neotropical, of family Braconidae, P3389  
   parasitic, of genus *Trimorus*, P3225  
   parasitic, of superfamily Proctotrupeoidea, P3359  
   scolioid, P3257  
   spider, of genus *Auplopus*, P3468  
   tringonalid, nearctic species of, P3367  
 Watercraft Collection, National, B219  
 Water-striders of subgenus *Stridulivelia*, P3460  
 Watkins, C. Malcolm, B225 (paper 13), B249 (paper 54), B253  
 Watson, George E., P3609  
 Watt, time of, kinematics of mechanism from, B228 (paper 27)  
 Weaverbirds, parasitic, B223  
 Weevils, Formosan cossonine, of bamboo, P3380  
   of genus *Maemactes*, P3474  
   of genus *Smicronyx*, P3456  
   of genus *Tachygonus*, P3236  
   of tribe Ophryastini, P3207  
 Weitzman, Stanley H., P3498, P3499, P3538  
 Welcome mound of Adena People, P3441  
 Weld, Lewis H., P3304, P3384  
 Welsh, Peter C., B241 (papers 48, 51), B242  
 West Africa, ophidioid fish from, P3494  
 West Indies, Alticinae from, P3477  
   buprestid beetles from, P3240  
   coleopterous insects of, B185 (pts. 5, 6)  
   cyprinodont fishes in, P3229  
   decapod crustaceans of, B292  
   fishes of family Percophididae from, P3347  
   meloid beetles of, P3428  
   polyclad flatworms from, P3341  
   Tiphia from, P3617  
   water-striders from, P3460  
 West Virginia, xystodesmid millipeds from, P3244  
 Western Hemisphere, bagworm moths of, B244  
   Balclutha, P3581  
   Cydnidae of, P3430  
   flies of genus *Odinia* in, P3414  
   genus *Ogcodes* of, P3429  
   scarab beetles of, P3344  
   spongilla-flies of, P3360  
 Whales, living, catalog of, B246  
 Wheeler, Marshall R., P3368  
 White, John H., B228 (paper 24), B240 (paper 42), B245, B252 (paper 69)  
 White, Richard E., B290  
 White, Theodore E., P3296, P3326  
 White House, Benjamin Latrobe and Dolley Madison decorate, B241 (paper 49)  
   china of Lincoln administration, B250 (paper 62)  
 Williams, Lelia Ann, P3278  
 Williams, W. T., P3645  
 Wilson, Charles Branch, B100 (vol. 14, pt. 4)  
 Wilson, Mildred Stratton, P3239, P3301, P3398, P3534  
 Wirth, Michael, C36 (pt. 3)  
 Wirth, Willis, B283, P3316, P3320, P3415, P3603, P3626  
 Wood, F. E., P3646  
 Woodcut, color, B222  
 Wood engraving, [Thomas] Bewick, B218 (paper 11)  
 Woods, Loren P., B202 (vols. 2, 3)  
 Woods of Florida Keys, Capparaeac, C34 (pt. 2)  
 Wood warblers, North American, B203  
 Woodward, Paul W., P3640  
 Woodworking tools, 1600-1900, B241 (paper 51)  
 Wool-carding machines, Scholfield, B218 (paper 1)  
 Worms, echiuroid and sipunculoid, P3218  
   marine polychaete, from Labrador, P3361  
   marine polychaete, from Point Barrow, Alaska, North Atlantic, North Pacific, P3324  
   marine polychaete, of New England region, B227

- North American annelid, of genus *Cambarincola*, P3470
- sipunculid, of California and Baja California, P3306
- Wrens, North American, B195
- Wygodzinsky, Petr, P3217
- Xoridinae, B216 (pt. 2)
- Xystodesmidae, P3362, P3399, P3411, P3436, P3451, P3514, P3630
- Yorktown [Virginia], poor potter of, B249 (paper 54)
- Young, David A., B261, P3386
- Young, James Harvey, B218 (paper 10)
- Young, Richard E., P3612
- Zelurus, genus, assassin bugs of, P3217
- Zimmerman, Elwood C., P3380
- Zuni Mountains region, New Mexico, herpetology of, P3504
- Zusi, Richard, P3607











SMITHSONIAN INSTITUTION LIBRARIES



3 9088 01421 3896