



SMITHSONIAN INSTITUTION,
UNITED STATES NATIONAL MUSEUM.

BULLETIN

OF THE

UNITED STATES NATIONAL MUSEUM.

No. 40.

BIBLIOGRAPHIES OF AMERICAN NATURALISTS:

IV. THE PUBLISHED WRITINGS OF GEORGE
NEWBOLD LAWRENCE, 1844-1891.

BY

L. S. FOSTER.

WASHINGTON:
GOVERNMENT PRINTING OFFICE.
1892.

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ADVERTISEMENT.

This work (Bulletin No. 40) is one of a series of papers intended to illustrate the collections belonging to the United States, and constituting the National Museum, of which the Smithsonian Institution was placed in charge by the act of Congress of August 10, 1846.

The publications of the National Museum consist of two series—the Bulletin, of which this is No. 40, in continuous series, and the Proceedings, of which the fifteenth volume is now in press. A small edition of each paper in the Proceedings is distributed in pamphlet form to specialists in advance of the publication of the bound volume.

The Bulletin of the National Museum, the publication of which was commenced in 1875, consists of elaborate papers based upon the collections of the Museum, reports of expeditions, etc., while the Proceedings is intended to facilitate the prompt publication of freshly acquired facts relating to biology, anthropology, and geology, descriptions of restricted groups of animals and plants, the discussion of particular questions relative to the synonymy of species, and the diaries of minor expeditions.

Other papers, of more general popular interest, are printed in the Appendix to the Annual Report.

Full lists of the publications of the Museum may be found in the current catalogues of the publications of the Smithsonian Institution.

Papers intended for publication in the Proceedings and Bulletin of the National Museum are referred to the Committee on Publications, composed as follows: T. H. Bean (chairman), A. Howard Clark, R. E. Earll, Otis T. Mason, John Murdoch, Leonhard Stejneger, Frederick W. True, and Lester F. Ward.

S. P. LANGLEY,

Secretary of the Smithsonian Institution.

WASHINGTON, D. C., *June 13, 1892.*



Geo. N. Lawrence.

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BIOGRAPHICAL SKETCH OF GEORGE NEWBOLD LAWRENCE.

Spencer F. Baird, who has aptly been considered the Nestor of American ornithologists, possessed, besides the capacity for organization, the power of guiding as well as enkindling enthusiasm.

Fortunate was it for ornithological science when, in 1841, Prof. Baird and Mr. George N. Lawrence formed an acquaintanceship, which soon ripened into a close and lasting intimacy. Stimulated by this, Mr. Lawrence then commenced the scientific study of birds. From his earliest recollection, however, birds had attracted him and he had paid considerable attention to them.

George Newbold Lawrence was born in the city of New York, where he has always resided, on October 20, 1806. His parents were both of English stock; his father's ancestors, coming to this country in 1635, finally settled in New York, and those on his mother's side located in Burlington County, N. J., in 1681.

His business career was an active and successful one, he having at the early age of twenty entered into a partnership, with his father and others, in the wholesale drug business in New York City. In this he continued for thirty-six years, devoting assiduously his spare time to ornithology. In his earlier efforts to preserve bird-skins he endeavored to do so without removing the body of the bird, lacking as yet the counsel of a skilled taxidermist. This indicates that he felt an irresistible spur to action, the impelling force of all earnest souls.

Repeatedly he was of service to the Smithsonian Institution in the details of outfitting expeditions for field work, and in many ways aided Prof. Baird in scientific matters. He took the initiative in organizing the Ober expedition to the Lesser Antilles.

He became a near neighbor of John James Audubon at about the close of the life of that illustrious naturalist, and was very familiar with his sons Victor and John. For the many years covered by his activity in ornithology he has conducted an extensive correspondence, embracing most of the naturalists throughout the world, particularly those interested in ornithology.

His collection of bird-skins of great scientific value, numbering about 8,000 specimens, and containing some 300 types of new species of birds, was deposited in the American Museum of Natural History, New York City, in May, 1887.

He joined The Lyceum of Natural History in the City of New York in 1845, and now is a member, a fellow, and a patron of its successor, The New York Academy of Sciences. Upon the organization of The American Ornithologists' Union, in 1883, he became an active member, and at its Eighth Congress, November, 1890, he was elected an honorary member. Of The Linnæan Society of New York, he likewise is an honorary member, having been chosen as such April 13, 1878. The British Ornithologists' Union made him a foreign member in 1872, and he is also connected with a large number of kindred societies in this and other countries.

Throughout his scientific career Mr. Lawrence has commanded the confidence and respect of all of his contemporaries, with many of whom he has formed cordial friendships, and it is with amazement that we consider the long list of great names, from Vieillot to the present time, that since the birth of Mr. Lawrence have impressed indelibly the brilliancy of their splendid genius on American ornithology. Wilson, Audubon, Bonaparte, Brewer, Nuttall, Baird, Cassin, Giraud, De Kay, and many more have come, and passed on, during the stretch of one life. Of a verity American ornithological science has been favored in its leaders during the last fourscore years.

The beneficial influence of the labors of Mr. Lawrence, with pen and pencil, on the progress of American ornithology has been great and undisputed, but it was particularly among the avifauna of the West Indies, Mexico, Central and South America that his most strenuous efforts were exerted. All but 17 of the 319 new species of birds described by him came from that region. Endowed with great power of analysis and a remarkable patience, he applied these to the investigation of specific distinctions, and his conclusions have but rarely been questioned.

A scrutiny of the titles of his numerous papers will fully indicate the wide scope and excellent character of the work of this veteran ornithologist.

L. S. F.

NEW YORK CITY, *August 1, 1891.*

AVIAN GENUS NAMED IN HONOR OF MR. GEORGE N. LAWRENCE.

Lawrencia, Ridgway. Description of a new genus of Tyrannidæ from Santo Domingo. By Robert Ridgway. <*The Auk*, Vol. III, No. 3, July, 1886, pp. 382, 383. Type, *Empidonax nanus*, Lawrence.

SPECIES OF BIRDS NAMED IN HONOR OF MR. GEORGE N. LAWRENCE, ARRANGED IN ORDER OF PUBLICATION, WITH BIBLIOGRAPHICAL DATA AND HABITAT.

Muscicapa lawrenceii, Giraud. Lawrence's Fly Catcher. <*Sixteen new species of Texas birds*. By Jacob P. Giraud, jr. New York, 1841. p. 9, Pl. I, Fig. 2. Habitat, Texas.

This species is now *Myiarchus lawrenceii* (GIR.), No. [455] of the A. O. U. Check-list of North American Birds.

Carduelis lawrencei, Cassin. Lawrence's Goldfinch. Descriptions of new species of Birds of the Genera Parus, Linn.; Emberiza, Linn.; Carduelis, Briss.; Myiothera, Ill.; and Leucoperpes, Sw., specimens of which are in the collection of the Academy of Natural Sciences of Philadelphia. By John Cassin. <*Proc. Acad. Nat. Sci. Phila.*, Vol. v, October, 1850, p. 105, Pl. v. Habitat, Sonoma and San Diego, California.

Now *Spinus lawrencei* (CASS.), No. 531 of A. O. U. Check-list.

Fregatta lawrencei, Bonaparte. The Black and White Stormy Petrel. <*Cons. Gen. Avium*, C. L. Bonaparte, Vol. II, 1857, p. 198. Habitat, Florida.

Cyphorhinus lawrencei, Selater & Salvin. Lawrence's Wren. Notes on a Collection of Birds from the Isthmus of Panama. By P. L. Selater and Osbert Salvin. <*Proc. Zool. Soc. Lond.*, 1864, p. 345. Habitat, Veragua, Panamá.

A colored plate of this bird may be found in Exotic Ornithology, Selater & Salvin. London, 1869.

Gymnoglaur lawrencei, Selater & Salvin. Descriptions of New or little known American Birds of the Families Fringillidæ, Oxyrhamphidæ, Bueconidæ and Strigidæ. By P. L. Selater and Osbert Salvin. <*Proc. Zool. Soc. Lond.*, 1868, pp. 327 & 328, 329, Pl. XXIX, we. of foot on p. 328. Habitat, Cuba.

Helminthophaga lawrencei, Herrick. Lawrence's Warbler. Description of a new species of Helminthophaga. By Harold Herrick. <*Proc. Acad. Nat. Sci. Phila.*, 1874, p. 220, Pl. xv. Habitat, Chatham, New Jersey.

Now *Helminthophila lawrencei* (HERRICK), No. 20 of A. O. U. Hypothetical list. Considered a hybrid.

- Geotrygon laurencii*, Salvin. A visit to the principal Museums of the United States, with Notes on some of the Birds contained therein. By Osbert Salvin. <*The Ibis*, Third series, Vol. IV, October, 1874, p. 329, Pl. XII. Habitat, Veragua, Panamá.
- Thryothorus felix laurencii*, Ridgway. Description of a new wren from the Tres Marias Islands. By Robert Ridgway. <*Bull. Nutt. Ornith. Club*, Vol. III, No. 1, January, 1878, pp. 10, 11. Habitat, Tres Marias Islands, off the western coast of Mexico.
- Pseudocolaptes laurencii* (Ridgway). Description of two new species of birds from Costa Rica, and notes on other rare species from that country. By Robert Ridgway. <*Proc. U. S. Nat. Mus.*, Vol. I (for 1878), 1879, pp. 253, 254. Habitat, La Palma and Navarro, Costa Rica.
- Picumnus laurencii*, Cory. Descriptions of four new species of Haitian Birds. By Charles B. Cory. <*Bull. Nutt. Ornith. Club*, Vol. VI, No. 3, July, 1881, p. 129, Pl. I. Habitat, Haiti.
- Mimus gilvus laurencei*, Ridgway. Description of several new races of American birds. By Robert Ridgway. <*Proc. U. S. Nat. Mus.*, Vol. V (for 1882), 1883, pp. 10-12. Habitat, Isthmus of Tehuantepec, Mexico. A subspecies.
- Lanio laurencii*, Sclater. On some little-known Species of Tanagers. By P. L. Sclater. <*The Ibis*, Fifth series, Vol. III, July, 1885, pp. 272, 273, Pl. VI, Fig. 2. Habitat, Island of Trinidad, West Indies.
- Hamophila laurencii*, Salvin & Godman. <*Biologia Centrali-Americana*, Vol. I, 1879-1887, p. 397. This signature issued August, 1886. Habitat, Juchitan, near Tehuantepec, Mexico.
- Icterus laurencii*, Cory. Descriptions of six supposed new species of birds from the Islands of Old Providence and St. Andrews, Caribbean Sea. By Charles B. Cory. <*The Auk*, Vol. IV, No. 3, July, 1887, p. 178. Author's edition, issued May 28, 1887. Habitat, St. Andrews Island, West Indies.
- Iache laurencei*, von Berlepsch. Lawrence's Humming Bird. Descriptions of new Species and Subspecies of Trochilidæ. By Hans von Berlepsch. <*The Ibis*, Fifth series, Vol. V, July, 1887, pp. 292-294. Habitat, Tres Marias Islands, off the western coast of Mexico.
- Dendroornis laurencei*, Ridgway. Descriptions of some new species and subspecies of birds from Middle America. By Robert Ridgway. <*Proc. U. S. Nat. Mus.*, Vol. X (for 1887), 1888, p. 509. This signature issued August 6, 1888. Habitat, Panamá.
- Amazilia laurencei*, Elliot. Descriptions of supposed new species of humming birds belonging to the genera *Amazilia* and *Eriocnemis*. By D. G. Elliot. <*The Auk*, Vol. VI, No. 3, July, 1889, pp. 209, 210. Author's edition issued April 9, 1889. Habitat, Bogotá, Colombia.

Empidonax lawrencei, Allen. Descriptions of New Species of South American Birds, with remarks on various other littleknown Species. By J. A. Allen. <*Bull. Am. Mus. Nat. Hist.*, Vol. 11, No. 3, December, 1889, pp. 150, 151. Author's edition issued June 28, 1889. Habitat, South America.

Sclerurus lawrencei, Ridgway. A review of the genus *Sclerurus* of Swainson. By Robert Ridgway. <*Proc. U. S. Nat. Mus.*, Vol. XII (for 1889), 1890, pp. 29, 30. This article, No. 762, was published February 5, 1890. Habitat, Bahia, Brazil (?)

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1. *Anas penelope*.....Long Island, N. Ypage 309

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1846. LAWRENCE, GEORGE N. Description of a New Species of Anser. By George N. Lawrence. Read March 16th, 1846. <*Ann. Lyc. Nat. Hist. New York*. Vol. IV, 1847, pp. 171, 172, plate No. XI of *Anser nigricans*. Issued in Nos. 6, 7, August, 1846.

1. *Anser nigricans*, n. s.....Egg Harbor, N. J.....pages 171, 172

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1847. LAWRENCE, GEORGE N. Extract from the Minutes of the Lyceum of Natural History of New York, February 8th, 1847. Mr. Lawrence read a description of a new species of Procellaria from Florida, which he proposes to call *Brevirostris*. <*Ann. Lyc. Nat. Hist. New York*. Vol. IV, 1847, third page of cover of Nos. 8, 9, April, 1847.

1. *Procellaria brevirostris*, n. s.....Florida.....Third page of cover.

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1847. LAWRENCE, GEORGE N. Description of a New Species of Procellaria. By George N. Lawrence. Read February 18th, 1847. <*Ann. Lyc. Nat. Hist. New York*. Vol. IV, 1847, pp. 475, 476, plate No. XV of *Procellaria meridionalis*, Lawrence. Issued in Nos. 10, 11, July, 1847.

1. *Procellaria meridionalis*, n. s.....Florida.....pages 475, 476

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1. *Macrorhamphus scolopaceus*, n. s.....Shores of Gulf of Mexico, Mississippi Valley and westwardpages 4, 5

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1. *Mimus melanopterus*, n. s. Venezuela pages 35, 36

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1851. LAWRENCE, GEORGE N. On the occurrence of the Caspian Tern (*Sylochelidon Caspius*) in North America. By George N. Lawrence. Read May 6th, 1850. <*Ann. Lyc. Nat. Hist. New York*. Vol. v, 1852, pp. 37, 38. Issued in No. 2, April, 1851.

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1851. LAWRENCE, GEORGE N. Description of a new species of *Tyrannus*. By George N. Lawrence. Read June 3d, 1850. <*Ann. Lyc. Nat. Hist. New York*. Vol. v, 1852, pp. 39, 40, plate No. 111 of *Tyrannus cassinii*, Lawrence. Issued in No. 2, April, 1851.

1. *Tyrannus cassinii*, n. s. Texas pages 39, 40

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1862. LAWRENCE, GEORGE N. Descriptions of Six New Species of Birds of the Families Charadriidæ, Trochilidæ, and Caprimulgidæ. By George N. Lawrence. Read February 10th, 1862. <Ann. Lyc. Nat. Hist. New York. Vol. VII, 1862, 455-460.

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1862. LAWRENCE, GEORGE N. Catalogue of a Collection of Birds made in New Granada. By James McLeannan, Esq., of New York, with Notes and Descriptions of New Species. Part III. By George N. Lawrence. Read February 10, 1862. <Ann. Lyc. Nat. Hist. New York. Vol. VII, 1862, pp. 461-479. Contains corrections of some ascertained errors of previous parts.

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1863. LAWRENCE, GEORGE N. Descriptions of Eight New Species of Birds from the Isthmus of Panama. By Geo. N. Lawrence. <The Ibis. 1st series, Vol. v, April, 1863, pp. 181-184.

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1868. LAWRENCE, GEORGE N. Descriptions of Seven New Species of American Birds from various localities, with a note on *Zonotrichia melanotis*. By Geo. N. Lawrence. < *Proc. Acad. Nat. Sci. Phila.* Vol. xx, 1868, pp. 359-361 and 429, 430.

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1888. LAWRENCE, GEORGE N. Description of a new species of wren from the Island of Tobago, West Indies. By George N. Lawrence. <The Auk. Vol. v, No. iv, October, 1888. p. 404. Published October 23, 1888.

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1. <i>Sporophila moreletii sharpei</i> , n. s..... Texas.....	53, 54

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1891. LAWRENCE, GEORGE N. Description of a new subspecies of Cypselida of the genus *Chatura*, with a note on the Diablotin. By George N. Lawrence. <*The Auk*. Vol. VIII, No. 1, January, 1891, pp. 59-62. Published January 15, 1891.

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No.	Name.	Habitat of type.	Page antea.
1	<i>Accipiter gundlachi</i>	Cuba.....	8
2	<i>Accipiter nigroplumbeus</i>	Ecuador.....	51
3	<i>Ægialitis tenuirostris</i>	Cuba.....	17
4	<i>Aglaeactis olivaceocauda</i>	Peru.....	35
5	<i>Amazilia graysoni</i>	Mexico.....	35
6	<i>Amazilia xantusii</i> *.....	Lower California.....	8
7	<i>Anabazenops lineatus</i>	Costa Rica.....	23
8	<i>Anser nigricans</i> *.....	New Jersey.....	1
9	<i>Anthus parvus</i>	Panamá.....	27
10	<i>Antrostomus cubanensis</i>	Cuba.....	9
11	<i>Aramides albiventris</i>	British Honduras.....	36
12	<i>Aramides axillaris</i>	New Grenada.....	22
13	<i>Attila cinnamomeus</i>	Mexico.....	55
14	<i>Attila sclateri</i>	New Grenada.....	18
15	<i>Automolus pallidigularis</i>	New Grenada.....	17
16	<i>Automolus rufescens</i>	Costa Rica.....	34
17	<i>Basilenterns melanotis</i>	Costa Rica.....	37
18	<i>Blaeicus brunneicapillus</i>	Island of Dominica, West Indies.....	77
19	<i>Blaeicus flaviventris</i>	Island of Grenada, West Indies.....	96
20	<i>Brotogeris ferrugineifrons</i>	New Grenada.....	93
21	<i>Buarremon atricapillus</i>	New Grenada.....	58
22	<i>Buarremon flavovirens</i>	Ecuador.....	35
23	<i>Buarremon ocai</i>	Mexico.....	23
24	<i>Buarremon sordidus</i>	New Grenada.....	55
25	<i>Calliste versicolor</i>	Island of St. Vincent, West Indies.....	77
26	<i>Campylorhynchus brevipennis</i>	Venezuela.....	34
27	<i>Campylopterus splendens</i>	Ecuador.....	5
28	<i>Capito maculicoronatus</i>	New Grenada.....	12
29	<i>Cassicus vittellus</i>	Panamá and Nicaragua.....	23
30	<i>Catherpes berlepschi</i>	Ecuador.....	99
31	<i>Catherpes sumichrasti</i>	Mexico.....	55
32	<i>Celeanus squamatus</i>	Panamá.....	20
33	<i>Certhiola atrata</i>	Island of St. Vincent, West Indies.....	77
34	<i>Certhiola saccharina</i>	Island of St. Vincent, West Indies.....	77
35	<i>Ceryle sticteipennis</i>	Island of Guadeloupe, West Indies.....	95
36	<i>Chætura dominicana</i>	Island of Dominica, West Indies.....	85
37	<i>Chætura dominicana colardeaui</i>	Island of Guadeloupe, West Indies.....	100
38	<i>Chætura ganneri</i>	Yucatan.....	93
39	<i>Chætura peregrinator</i>	Yucatan.....	95
40	<i>Chætura yucatanica</i>	Yucatan.....	94
41	<i>Chalybura teneicauda</i>	Venezuela.....	27
42	<i>Chalybura carnioli</i>	Costa Rica.....	27
43	<i>Chloronax subvinacea</i>	Costa Rica.....	44
44	<i>Chloronax callopterns</i>	New Grenada.....	18
45	<i>Chlorospingus axillaris</i>	Costa Rica.....	58
46	<i>Chlorospingus brunneus</i>	Costa Rica.....	58
47	<i>Chlorospingus nigrifrons</i>	Ecuador.....	67
48	<i>Chlorospingus speculiferus</i>	Porto Rico.....	67
49	<i>Chlorostilbon assimilis</i>	New Grenada.....	10
50	<i>Chlorostilbon caribæus</i>	Curacao, West Indies.....	55
51	<i>Chlorostilbon insularis</i>	Tres Marias Islands.....	17
52	<i>Chlorostilbon nitens</i>	Venezuela.....	13
53	<i>Chordeiles gundlachi</i>	Cuba.....	4
54	<i>Chordeiles texensis</i> *.....	Texas.....	4
55	<i>Chrysotis caligena</i>	Guaiana.....	93
56	<i>Chrysotis canifrons</i>	Island of Aruba, West Indies.....	94
57	<i>Chrysotis lactifrons</i>	(?).....	77
58	<i>Chrysotis nicholli</i>	Island of Dominica, West Indies.....	93
59	<i>Cistothorus equatorialis</i>	Ecuador.....	54
60	<i>Coccyzus julieni</i>	Sombrero Island, West Indies.....	22
61	<i>Colymbus pacificus</i> *.....	California, Puget Sound.....	8
62	<i>Controstrum ornatum</i>	Texas.....	2
63	<i>Contopus albicollis</i>	Yucatan.....	94
64	<i>Contopus lugubris</i>	Costa Rica.....	23
65	<i>Contopus panensis</i>	Ecuador.....	53
66	<i>Contopus schottii</i>	Yucatan.....	51
67	<i>Corethrura albicularis</i> *.....	New Grenada.....	13
68	<i>Corethrura guatemalensis</i> *.....	Guatemala.....	25
69	<i>Coturniculus mexicanus</i> *.....	Mexico.....	32
70	<i>Cotyle uropygialis</i>	Panamá.....	19
71	<i>Cyanocitta argentigula</i>	Costa Rica.....	63
72	<i>Cyanocitta pulchra</i>	Ecuador.....	75

* See note at end of this list.

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74	<i>Cyanospiza rosita</i>	Mexico.....	58
75	<i>Cyrtonyx sumichrasti</i>	Mexico.....	75
76	<i>Dacnis ultramarina</i>	Panamá.....	23
77	<i>Dacnis venusta</i>	New Grenada.....	17
78	<i>Dendroeca capitata</i>	Barbados.....	46
79	<i>Dendroeca petechia melanoptera</i>	Island of Guadeloupe, West Indies.....	89
80	<i>Dendroeca plumbea</i>	Island of Dominica, West Indies.....	75
81	<i>Dendrocincla olivacea</i>	New Grenada.....	17
82	<i>Dendromis lachrymosus</i>	New Grenada.....	17
83	<i>Dendromis mentalis</i>	Mexico.....	35
84	<i>Dendromis nana</i>	Panamá.....	19
85	<i>Doricha bryantæ</i>	Costa Rica.....	35
86	<i>Promococcyx ruficularis</i>	Guatemala.....	36
87	<i>Dysithamnus rufiventris</i>	New Grenada.....	23
88	<i>Dysithamnus striaticeps</i>	Costa Rica.....	23
89	<i>Elainea chiriquensis</i>	New Grenada.....	25
90	<i>Elainea frantzi</i>	Costa Rica.....	24
91	<i>Elainea macilvanii</i>	Venezuela.....	55
92	<i>Elainea semitlata</i>	New Grenada.....	25
93	<i>Embernagra rutivirgata</i> *.....	Texas.....	2
94	<i>Empidonax atrirostris</i>	Venezuela.....	55
95	<i>Empidonax flavescens</i>	Costa Rica.....	23
96	<i>Empidonax fulvipectus</i>	Mexico.....	55
97	<i>Empidonax griseigularis</i>	New Grenada.....	18
98	<i>Empidonax griseipectus</i>	Ecuador.....	53
99	<i>Empidonax nanus</i> †.....	Santo Domingo.....	67
100	<i>Empidonax pectoralis</i>	New Grenada.....	35
101	<i>Engyptila gaumeri</i>	Yucatan.....	94
102	<i>Engyptila vinaeifulva</i>	Yucatan.....	95
103	<i>Engyptila wellsii</i>	Island of Grenada, West Indies.....	94
104	<i>Ereunetes occidentalis</i> *.....	California, Oregon.....	23
105	<i>Eupherusa cupreiceps</i>	Costa Rica.....	35
106	<i>Eupherusa nigriventris</i>	Costa Rica.....	36
107	<i>Eupherusa niveicauda</i> *.....	Costa Rica.....	24
108	<i>Euphonia purpurea</i>	South America.....	35
109	<i>Formicivora pallidus</i>	Yucatan.....	94
110	<i>Formicivora griseigula</i>	British Guiana.....	94
111	<i>Formicivora schisticolor</i>	Costa Rica.....	24
112	<i>Formicivora virgata</i>	Panamá.....	19
113	<i>Geotrygon albiventer</i>	Panamá.....	27
114	<i>Geotrygon caruleiceps</i> *.....	Costa Rica.....	44
115	<i>Geotrygon costaricensis</i>	Costa Rica.....	44
116	<i>Geotrygon rufiventris</i>	Costa Rica.....	63
117	<i>Geotrygon veraguensis</i>	New Grenada.....	35
118	<i>Glaucis aeneus</i>	Costa Rica.....	36
119	<i>Glaucis affinis</i>	Ecuador.....	5
120	<i>Grallaria costaricensis</i>	Costa Rica.....	34
121	<i>Grallaria gigantea</i>	Ecuador.....	34
122	<i>Grallaria perspicillata</i>	New Grenada.....	13
123	<i>Gymnoglaux newtoni</i>	St. Croix and St. Thomas, West Indies.....	77
124	<i>Hadrosomus albiventris</i>	Mexico.....	35
125	<i>Hamophila sumichrasti</i>	Mexico.....	54
126	<i>Harpagnis fasciatus</i>	Guatemala.....	47
127	<i>Helcodytes albo-brunneus</i>	Panamá.....	16
128	<i>Heliodoxa henryi</i>	Costa Rica.....	35
129	<i>Helionaster spectabilis</i> *.....	Costa Rica.....	35
130	<i>Helionaster stuarte</i>	New Grenada.....	8
131	<i>Heliopeadia castaneocauda</i>	Lower California.....	8
132	<i>Hemiprocne minor</i>	New Grenada.....	94
133	<i>Hirundo aequatorialis</i>	Ecuador.....	35
134	<i>Hylophilus aenticaudus</i>	Venezuela.....	27
135	<i>Hylophilus aurantiifrons</i>	New Grenada.....	14
136	<i>Hylophilus pusillus</i>	New Grenada.....	14
137	<i>Hylophilus viridilavus</i>	New Grenada.....	14
138	<i>Icteria longicauda</i> *.....	California.....	3
139	<i>Icterus formosus</i>	Mexico.....	55
140	<i>Icterus oberi</i>	Island of Montserrat, West Indies.....	93
141	<i>Ionolaima frontalis</i>	Ecuador.....	5
142	<i>Larus californicus</i> *.....	California.....	4
143	<i>Larus suckleyi</i>	Puget Sound.....	5
144	<i>Leptopogon flavovirens</i>	New Grenada.....	18
145	<i>Leptoptila bonapartii</i>	Mexico.....	55
146	<i>Leptoptila cassinii</i>	New Grenada.....	36
147	<i>Leptoptila fulviventris</i> *.....	Yucatan.....	94
148	<i>Leptoptila riottet</i>	Costa Rica.....	44
149	<i>Lesbia ortoni</i>	Ecuador.....	54
150	<i>Leucopeza bishopi</i>	Island of St. Vincent, West Indies.....	77
151	<i>Leucopternis semiplumbeus</i>	New Grenada.....	9
152	<i>Lipangus albogriseus</i>	New Grenada.....	21

* See note at end of this list.

† Type of new genus, *Lawrencia*, Ridgw.

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No.	Name.	Habitat of type.	Page antea.
153	<i>Loxigilla portoricensis grandis</i>	Island of St. Christopher, West Indies	93
154	<i>Macrorhamphus scolopaceus</i>	Shores of Gulf of Mexico, Mississippi Valley, and westward	1
155	<i>Margarops albiventris</i>	Island of Grenada, West Indies	98
156	<i>Margarops dominiensis</i>	Island of Dominica, West Indies	92 & 93
157	<i>Margarornis guttata</i>	Ecuador	23
158	<i>Margarornis rubiginosa</i>	Costa Rica	23
159	<i>Mecocerculus uropygialis</i>	South America	54
160	<i>Mellisuga albo-coronata</i> *	New Grenada	4
161	<i>Mellisuga merrittii</i>	New Grenada	8
162	<i>Melopelia plumbeescens</i>	Guiana	93
163	<i>Mimus melanopterus</i>	Venezuela	2
164	<i>Mimus nigriloris</i>	Mexico !	55
165	<i>Mionectes olivaceus</i>	Costa Rica	40
166	<i>Mitrephorus aurantiventris</i>	Costa Rica	24
167	<i>Myiadestes sibilans</i>	Island of St. Vincent, West Indies	77
168	<i>Myiarchus fiammulatus</i>	Mexico	63
169	<i>Myiarchus oberi</i>	Island of Dominica, West Indies	75
170	<i>Myiarchus panamensis</i>	Panamá	9
171	<i>Myiarchus sclateri</i>	Island of Martinique, West Indies	88
172	<i>Myiarchus venezuelensis</i>	Venezuela	27
173	<i>Myiarchus yucatanensis</i>	Yucatan	55
174	<i>Myiobius atricaudus</i>	Panamá	19
175	<i>Myiodynastes superciliaris</i>	Costa Rica	35
176	<i>Myiozetetes granadensis</i>	Panamá	17
177	<i>Myiozetetes grandis</i>	Peru	55
178	<i>Myiozetetes inornatus</i>	Venezuela	54
179	<i>Myiozetetes marginatus</i>	Panamá	19
180	<i>Myiozetetes rufipennis</i>	Venezuela	54
181	<i>Myrmeciza ferruginea</i>	New Grenada	18
182	<i>Myrmeciza stictoptera</i>	Costa Rica	23
183	<i>Myrmelastes corvinus</i>	New Grenada	19
184	<i>Myrmotherula albigula</i>	New Grenada	23
185	<i>Myrmotherula fulviventris</i>	New Grenada	18
186	<i>Myrmotherula modesta</i>	Costa Rica	40
187	<i>Octochea flaviventris</i>	South America	98
188	<i>Octochea rufomarginatus</i>	Ecuador	54
189	<i>Orechilus atricapillus</i>	Costa Rica	67
190	<i>Oreopyra cinereicauda</i>	Costa Rica	35
191	<i>Oreopyra venusta</i>	Costa Rica	35
192	<i>Orthorhynchus emigrans</i>	Venezuela	75
193	<i>Ortyx graysoni</i> *	Mexico	35
194	<i>Ortyx texanus</i> *	Texas	3
195	<i>Pachyrhampus cinnamomeus</i>	New Grenada	11
196	<i>Panychlora parvirostris</i> *	Costa Rica	27
197	<i>Parula insularis</i>	Tres Marias Islands	54
198	<i>Passerculus guttatus</i> *	Lower California	35
199	<i>Petrochelidon albilinea</i> *	New Grenada	20
200	<i>Phaethornis atrimentalis</i>	Ecuador	5
201	<i>Phaethornis cassinii</i>	New Grenada	35
202	<i>Phaethornis moorei</i>	Ecuador	5
203	<i>Phaethornis nigricinctus</i>	Ecuador	5
204	<i>Phaethornis villosus</i>	Ecuador	5
205	<i>Phaeton flavo-aureus</i>	(?)	8
206	<i>Phaenicticus tibialis</i>	Costa Rica	35
207	<i>Philydor rufobrunneus</i>	Costa Rica	23
208	<i>Philydor virgatus</i>	Costa Rica	35
209	<i>Phenicotheraapis carmoli</i>	Costa Rica	38
210	<i>Phenicotheraapis cristata</i>	New Grenada	63
211	<i>Phenicotheraapis vinacea</i>	New Grenada	36
212	<i>Phonipara fumosa</i>	Island of Trinidad, West Indies	58
213	<i>Philogopsis macleannani</i>	Panamá	9
214	<i>Pipilo coccineocularis</i>	New Grenada	18
215	<i>Pipilo carmani</i>	Socorro Island	51
216	<i>Pipra cinnamomea</i>	Amazon River, South America	47
217	<i>Pitangus albobittatus</i>	Panamá	17
218	<i>Pitangus gabbii</i>	Santo Domingo	63
219	<i>Pithys bicolor</i>	New Grenada	20
220	<i>Platyrhynchus superciliaris</i>	Panamá	19
221	<i>Plectrophanes mcowani</i> *	Texas	3
222	<i>Podiceps clarkii</i>	California, New Mexico	8
223	<i>Podiceps occidentalis</i> *	Pacific coast of United States	8
224	<i>Pogonotriccus plumbeiceps</i>	New Grenada	54
225	<i>Pogonotriccus zeledoni</i>	Costa Rica	46
226	<i>Polioptila albiventris</i>	Yucatan	95
227	<i>Polioptila melanura</i>	Texas, California	4
228	<i>Polioptila plumbeiceps</i>	Venezuela	27
229	<i>Polioptila superciliaris</i>	New Grenada	13
230	<i>Porzana cinereiceps</i>	Costa Rica	63
231	<i>Procellaria brevirostris</i> *	Florida	1

* See note at end of this list.

Alphabetical list of new species and subspecies of birds, etc.—Continued.

No.	Name.	Habitat of type.	Page antea.
232	<i>Procellaria meridionalis</i>	Florida	1
233	<i>Psittovius subcaeruleus</i>	New Grenada	18
234	<i>Pyrgisoma xantusii</i>	Mexico	35
235	<i>Pyrrhophæna graysoni</i>	Tres Marias Islands	57
236	<i>Pytilus humeralis</i>	New Grenada	35
237	<i>Quiscalus fortirostris</i>	Barbadoes	46
238	<i>Quiscalus luminosus</i>	Island of Grenada, West Indies	77
239	<i>Quiscalus guadeloupensis</i>	Island of Guadeloupe, West Indies	89
240	<i>Ramphocanus semitorquatus</i>	New Grenada	18
241	<i>Ramphomicron olivaceus</i>	Bolivia	22
242	<i>Regulus satrapa aztecus</i>	Mexico	98
243	<i>Rhynchoeyelus flavo-olivaceus</i>	New Grenada	21
244	<i>Rhynchoeyelus griseimentalis</i>	Costa Rica	40
245	<i>Rhynchoeyelus marginatus</i>	Panama	47
246	<i>Rissa septentrionalis</i>	Puget Sound	5
247	<i>Saltator fulviventris</i>	Paraguay	22
248	<i>Saltator intermedius</i>	Panama	23
249	<i>Saltator plumbeiceps</i>	Mexico	35
250	<i>Sapphironia luminosa</i>	New Grenada	17
251	<i>Serpophaga grisea</i>	Costa Rica	55
252	<i>Serpophaga leucura</i>	Ecuador	67
253	<i>Speotyto anaana</i>	Island of Antigua, West Indies	82
254	<i>Spermophila atriceps</i>	Mexico	35
255	<i>Spermophila badiiventris</i>	Nicaragua	24
256	<i>Spermophila collaris</i>	New Grenada	24
257	<i>Spermophila fortipes</i>	New Grenada	24
258	<i>Spermophila hicksii</i>	Panama	24
259	<i>Spermophila parva</i>	Mexico	94
260	<i>Spermophila schistacea</i>	New Grenada	21
261	<i>Spermophila semicollaris</i>	New Grenada	21
262	<i>Sporadinus bracei</i>	New Providence, West Indies	75
263	<i>Sporophila moreletii sharpei</i>	Texas	99
264	<i>Stenopsis albicauda</i>	Costa Rica	63
265	<i>Stenopsis maculicauda</i>	Brazil	17
266	<i>Sterna bickel</i>	California	3
267	<i>Strix flammea nigrescens</i>	Island of Dominica, West Indies	79
268	<i>Synallaxis maculata</i>	Peru	55
269	<i>Synallaxis nigrifumosa</i>	Nicaragua	26
270	<i>Synallaxis rufigenis</i>	Costa Rica	39
271	<i>Syrnium lineatum</i>	New Grenada	17
272	<i>Tachyphonus atricaepillus</i>	Island of Trinidad, West Indies	46
273	<i>Tachyphonus cassini</i>	New Grenada	12
274	<i>Tachyphonus napensis</i>	Ecuador	22
275	<i>Tachyphonus propinquus</i>	Panama	36
276	<i>Tachyphonus rubrifrons</i>	Panama	27
277	<i>Tachyphonus tibialis</i>	Costa Rica	22
278	<i>Thalurania lucia</i>	Tres Marias Islands	17
279	<i>Thaunophilus hollandi</i>	Nicaragua	26
280	<i>Thaunophilus leucopygus</i>	New Grenada	35
281	<i>Thaunophilus nigrescens</i>	Venezuela	35
282	<i>Thaunophilus nigrigristatus</i>	Panama	27
283	<i>Thaunophilus tenuifasciatus</i>	Ecuador	35
284	<i>Thaunophilus virgatus</i>	New Grenada	46
285	<i>Thaumatias lucie</i>	Honduras	36
286	<i>Thaumatias viridicaudus</i>	New Grenada	35
287	<i>Thripadectes virgaticeps</i>	Ecuador	58
288	<i>Thryothorus brunneus</i>	Nicaragua	25
289	<i>Thryothorus castaneus</i> *	New Grenada	14
290	<i>Thryothorus galbairithii</i>	New Grenada	14
291	<i>Thryothorus grenadensis</i>	Island of Grenada, West Indies	77
292	<i>Thryothorus musicus</i>	Island of St. Vincent, West Indies	77
293	<i>Thryothorus rufescens</i>	Island of Dominica, West Indies	75
294	<i>Thryothorus superciliaris</i>	Ecuador	53
295	<i>Tinamus frantzii</i>	Costa Rica	45
296	<i>Todirostrum olivaceum</i> *	Panama	17
297	<i>Todirostrum superciliaris</i>	Venezuela	55
298	<i>Toxostoma lecontei</i> *	California	3
299	<i>Trochilus aurigularis</i>	(?)	17
300	<i>Troglodytes brachyurus</i>	Yucatan	98
301	<i>Troglodytes tobagensis</i>	Island of Tobago, West Indies	99
302	<i>Trogon bairdii</i>	Costa Rica	42
303	<i>Trogon concinnus</i>	New Grenada	17
304	<i>Trogon eximius</i>	Panama	55
305	<i>Turdus brunneus</i>	Upper Amazon River, South America	77
306	<i>Turdus caribbaeus</i>	Island of Grenada, West Indies	77
307	<i>Turdus hauxwelli</i>	Peru	54
308	<i>Turdus nigrirostris</i>	Island of St. Vincent, West Indies	77
309	<i>Turdus obsoletus</i>	New Grenada	18
310	<i>Turdus recvei</i>	Ecuador	53
311	<i>Tyranniscus parvus</i>	Panama	17

* See note at end of this list.

Alphabetical list of new species and subspecies of birds, etc.—Continued.

No.	Name.	Habitat of type.	Page antea.
312	<i>Tyrannula cinerascens</i> *	Texas	3
313	<i>Tyrannulus brunneicapillus</i>	Panama	17
314	<i>Tyrannus cassini</i>	Texas	2
315	<i>Urochroa leucura</i>	Ecuador	22
316	<i>Urosticte ruficrissa</i>	Ecuador	22
317	<i>Vireosylvia atripennis</i>	Sombrero Island, West Indies	22
318	<i>Vireosylvia calhirsis dominicana</i>	Island of Dominica, West Indies	78
319	<i>Xanthornus affinis</i> *	Texas and Mexico	2
320	<i>Zenaida bogotensis</i>	New Grenada	95
321	<i>Zenaida rubripes</i>	Island of Grenada, West Indies	95
322	<i>Zenaidura yucatanensis</i>	Yucatan	52
323	<i>Zonotrichia melanotis</i> *	Mexico	35

* NOTE. Change mainly due to revision of genera, by recent authorities, in name of some of foregoing new species and present status of some others:

- No. 6, *Amazilia xantusii* is now *Basilinna xantusi* (Lawr.). No. 440 of A. O. U. Check-list.
 No. 8, *Anser nigricans*=*Bernicla nigricans*, now *Branta nigricans* (Lawr.). No. 174 of A. O. U. Check-list.
 No. 54, *Chordeiles texensis* is now No. 421 of A. O. U. Check-list.
 No. 61, *Colymbus pacificus* is now *Urinator pacificus* (Lawr.), No. 10 of A. O. U. Check-list.
 No. 67, *Corethrura albicularis*=*Porzana albicularis*.
 No. 68, *Corethrura guatemalensis* likewise was placed in the genus *Porzana*.
 No. 69, *Coturniculus mexicanus* is now No. 577 of A. O. U. Check-list, *Peuceea mexicana* (Lawr.).
 No. 93, *Embernagra rufivirgata* is now No. 586 of A. O. U. Check-list.
 No. 104, *Ereunetes occidentalis* is now No. 247 of A. O. U. Check-list.
 No. 107, *Enpherusa niveicauda* was considered by Mr. John Gould to be *Thamnatitis chionurus*, Gould.
 No. 114, *Geotrygon cæruleiceps* proves to be a synonym for *Geotrygon chiriquensis*, Schl.
 No. 129, *Helionaster spectabilis* was afterwards placed in the genus *Eugenes*.
 No. 138, *Icteria longicauda* is now *Icteria virens longicauda* (Lawr.). No. 683a of A. O. U. Check-list.
 No. 142, *Larus californicus* is now No. 53 of A. O. U. Check-list.
 No. 147, *Leptoptila fulviventris*=*Engyptila fulviventris* (Lawr.).
 No. 160, *Melospiza albo-coronata* subsequently placed in the genus *Microchera*.
 No. 193, *Ortyx graysoni* is now No. 290 of A. O. U. Check-list. *Colinus graysoni* (Lawr.).
 No. 194, *Ortyx texanus* is now No. 289b of A. O. U. Check-list. *Colinus virginianus texanus* (Lawr.).
 No. 196, *Panychlora parvirostris* subsequently placed in the genus *Microchera*.
 No. 198, *Passerculus guttatus* is now *Ammodramus rostratus guttatus* (Lawr.), No. 544a of A. O. U. Check-list.
 No. 199, *Petrochelidon albilinea*=*Tachycineta albilinea*.
 No. 221, *Plectrophanes mecownii* is at present No. 539 of A. O. U. Check-list, *Rhynchophanes mecownii* (Lawr.).
 No. 222, *Podiceps clarkii* was thought by the A. O. U. Committee to probably be the female of *occidentalis* and so placed in the Hypothetical list where it now is No. 1, *Æchmophorus clarkii* (Lawr.).
 No. 223, *Podiceps occidentalis* is now *Æchmophorus occidentalis* (Lawr.), No. 1 of A. O. U. Check-list.
 No. 231, *Procellaria brevisrostris* was afterwards considered to be *Procellaria meridionalis* and subsequently called *Æstrelata meridionalis*.
 No. 289, *Thryothorus castaneus* was later called *Thryophilus castaneus*.
 No. 296, *Todirostrum olivaceum* becomes, by Mr. P. L. Sclater's revision of the generic names *Oncostoma olivacea* (Lawr.).
 No. 298, *Toxostoma lecontei* is now *Harpornhynchus lecontei* (Lawr.), No. 711 of A. O. U. Check-list.
 No. 312, *Tyrannula cinerascens* is now No. 454 of A. O. U. Check-list, *Myiarchus cinerascens* (Lawr.).
 No. 319, *Xanthornus affinis* is *Icterus spurius* var. *affinis* of "Birds of Western and Northwestern Mexico."
 No. 323, *Zonotrichia melanotis* placed in the genus *Hæmophila* thus becoming *H. melanotis*, but appears as *Amophila melanotis* in "Birds of Western and Northwestern Mexico."

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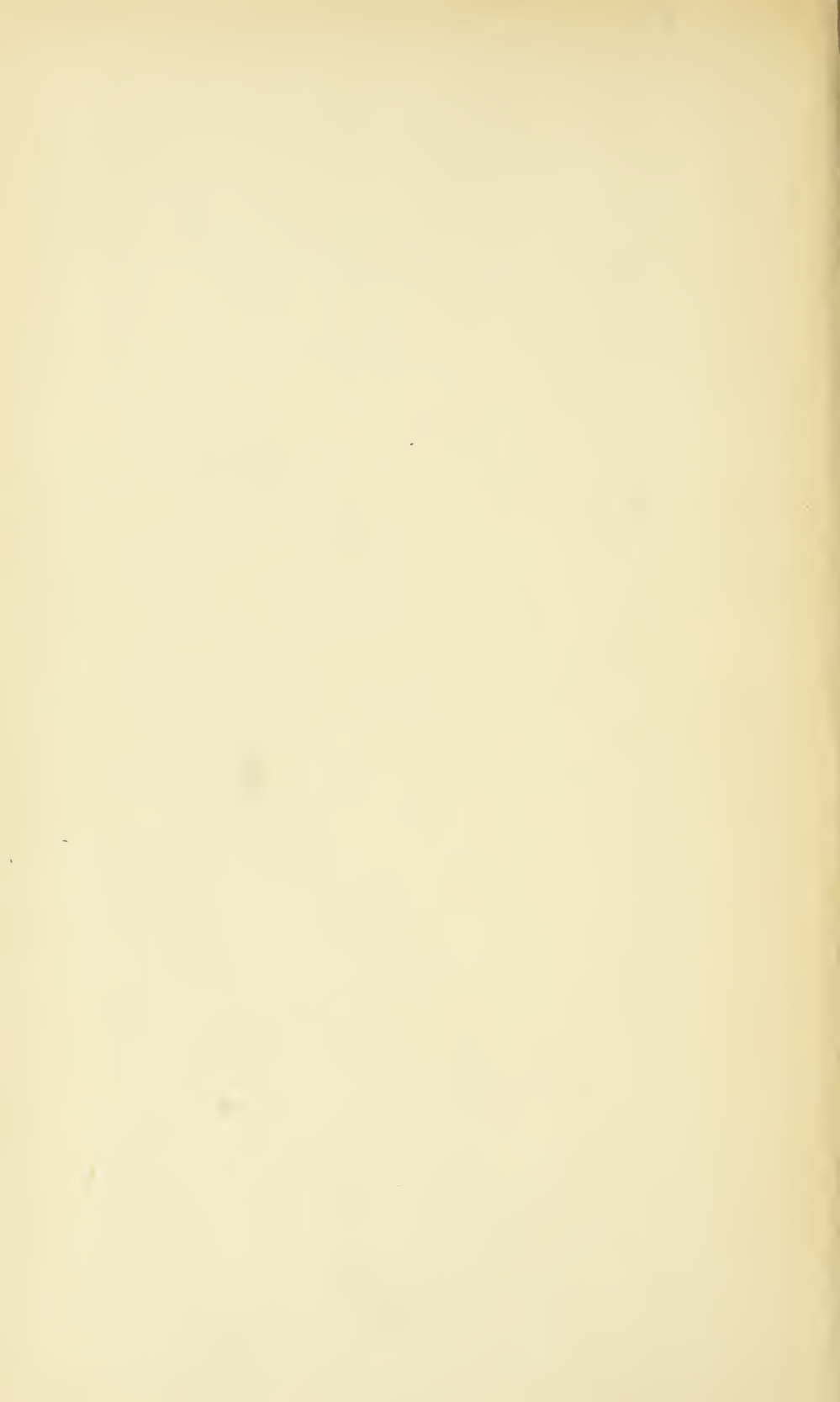
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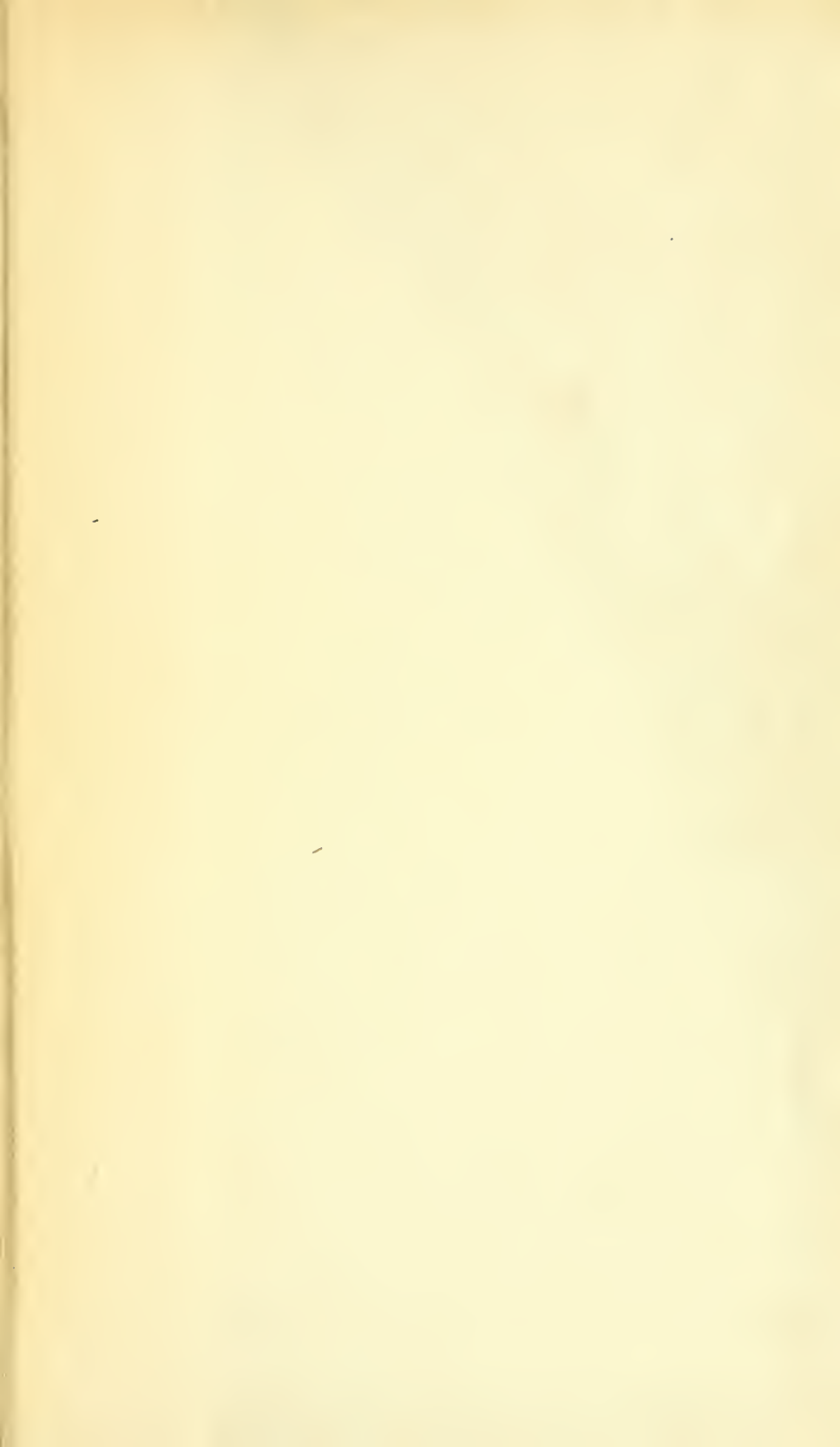
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