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No. 40.

BIBLIOGRAPHIES OF AMERICAN NATURALIST

IV. THE PUBLISHED WRITINGS OF GEORGE
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BY

L. S. FOSTER.

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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. Earl, 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.

BIBLIOGRAPHIES OF AMERICAN NATURALISTS

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THE PUBLISHED WRITINGS

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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 Linnean 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 Tyrannidae 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 lawrencii, Giraud. Lawrence's Fly Catcher. <*Sixteen new species of Texas birds*. By Jacob P. Giraud, jr. New York, 1841. p. 9, Pl. 1, Fig. 2. Habitat, Texas.

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

Carduelis lawrenci, Cassin. Lawrence's Goldfinch. Descriptions of new species of Birds of the Genera Parus, Linn.; Emberiza, Linn.; Carduelis, Briss.; Myiothera, Ill.; and Leucocerpes, 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 lawrenci* (CASS.), No. 531 of A. O. U. Check-list.

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

Cyphorhinus lawrencii, 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 lawrencii, Selater & Salvin. Descriptions of New or little known American Birds of the Families Fringillidae, Oxyrhamphidae, Bucconidae and Strigidae. 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 lawrencii, 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 lawrenci* (HERRICK), No. 20 of A. O. U. Hypothetical list. Considered a hybrid.

- Geotrygon lawrencii*, 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 lawrencii*, 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 lawrencii* (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 lawrencii*, 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 lawrencii*, 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.
- Lanius lawrencii*, Sclater. On some little-known Species of Tanager. 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 lawrencii*, Salvin & Godman. <*Biologia Centrali-Americana*, Vol. I, 1879-1887, p. 397. This signature issued August, 1886. Habitat, Juchitan, near Tehuantepec, Mexico.
- Icterus lawrencii*, 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.
- Tache lawrencii*, von Berlepsch. Lawrence's Humming Bird. Descriptions of new Species and Subspecies of Trochilida. 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.
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- Amazilia lawrencii*, Elliot. Descriptions of supposed new species of humming birds belonging to the genera *Amazilia* and *Erioenemis*. 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. II, 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. XII 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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1862. LAWRENCE, GEORGE N. Descriptions of six New Species of Birds from the Isthmus of Panama. By George N. Lawrence. <The Ibis, 1st series, Vol. IV, January, 1862, pp. 10-13.

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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 McLeaman, 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.

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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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1. <i>Margarops albiventris</i> , n. s.	Island of Grenada, West Indies. 23, 24

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1. <i>Helminthophila bachmani</i> (Aud.)..... Louisiana.....	262, 263
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1. <i>Catharus berlepschi</i> , n. s..... Cayandeled, Western Ecuador.....	503

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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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1889. LAWRENCE, GEORGE N. An account of the breeding habits of *Puffinus auduboni* in the Island of Grenada, West Indies, with a note on *Zenaidra rubripes*. By George N. Lawrence. <The Auk. Vol. VI, No. 1, January, 1889, pp. 19-21. Published January 4, 1889.

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1889. LAWRENCE, GEORGE N. A new name for the species of *Sporophila* from Texas, generally known as *S. moreletii*. By George N. Lawrence. <The Auk. Vol. VI, No. 1, January, 1889, pp. 53, 54. Published January 4, 1889.

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

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9. <i>Corvus americanus</i>	202
10. <i>Ampelis cedrorum</i>	202
11. <i>Sialia sialis</i>	202
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1891. LAWRENCE, GEORGE N. Description of a new subspecies of Cypselida of the genus *Chactura*, 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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1. <i>Chactura dominicana colardeauxi</i> , n. sub s. Guadeloupe, West Indies	59-61

ALPHABETICAL LIST OF NEW SPECIES AND SUBSPECIES OF BIRDS DESCRIBED BY MR. GEORGE N. LAWRENCE, 1846 TO 1891, WITH HABITAT OF TYPE SPECIMEN.

No.	Name.	Habitat of type.	Page.
1	<i>Accipiter gundlachi</i>	Cuba	8
2	<i>Accipiter nigrophimbens</i>	Ecuador	51
3	<i>Egialitis tenuirostris</i>	Cuba	17
4	<i>Aglæactis olivæocauda</i>	Peru	35
5	<i>Amazilia graysoni</i>	Mexico	55
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>	Panama	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 selateri</i>	New Grenada	18
15	<i>Automolus pallidigularis</i>	New Grenada	17
16	<i>Automolus rufescens</i>	Costa Rica	34
17	<i>Basilenterus melanotis</i>	Costa Rica	37
18	<i>Blacicus brunneicapillus</i>	Island of Dominica, West Indies	77
19	<i>Blacicus flaviventris</i>	Island of Grenada, West Indies	96
20	<i>Brotoperyx 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 brevipes</i>	Venezuela	34
27	<i>Campylorhynchus splendens</i>	Ecuador	5
28	<i>Capito maculicoronatus</i>	New Grenada	12
29	<i>Cassicus vitellinus</i>	Panama and Nicaragua	24
30	<i>Catharus herlepsi</i>	Ecuador	99
31	<i>Catherpes sumichrasti</i>	Mexico	55
32	<i>Celens squamatus</i>	Panama	29
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 stictipennis</i>	Island of Guadeloupe, West Indies	95
36	<i>Chaetura dominicana</i>	Island of Dominica, West Indies	85
37	<i>Chaetura dominicana collaridant</i>	Island of Guadeloupe, West Indies	100
38	<i>Chaetura gammeri</i>	Yucatan	95
39	<i>Chaetura peregrinator</i>	Yucatan	94
40	<i>Chaetura yucatanica</i>	Yucatan	27
41	<i>Chalybura a-neicauda</i>	Venezuela	27
42	<i>Chalybura carinoli</i>	Costa Rica	27
43	<i>Chloroenas subvinacea</i>	Costa Rica	44
44	<i>Chloroerpes callopterus</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 caribaens</i>	Curaçao, 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>	Guiana	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 aquatorialis</i>	Ecuador	94
60	<i>Coccyzus julieni</i>	Sombbrero 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	54
64	<i>Contopus lugubris</i>	Costa Rica	23
65	<i>Contopus panemisi</i>	Ecuador	53
66	<i>Contopus schottii</i>	Yucatan	51
67	<i>Corethra albigularis</i> *.....	New Grenada	13
68	<i>Corethra guatemalensis</i> *.....	Guatemala	22
69	<i>Coturniculus mexicanus</i> *.....	Mexico	35
70	<i>Cotyle propygidius</i>	Panama	19
71	<i>Cyanocitta argentigula</i>	Costa Rica	63
72	<i>Cyanocitta pulchra</i>	Ecuador	75

* See note at end of this list.

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

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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>Dendronis lachrymosus</i>	New Grenada.....	35
83	<i>Dendronis mentalis</i>	Mexico.....	35
84	<i>Dendronis nana</i>	Panamá.....	19
85	<i>Doricha bryantæ</i>	Costa Rica.....	35
86	<i>Dromococyx rufularis</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 frantzii</i>	Costa Rica.....	24
91	<i>Elainea macilyvauii</i>	Venezuela.....	55
92	<i>Elainea semiflava</i>	New Grenada.....	25
93	<i>Embernagra rufivirgata</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>Egyptilia gauderi</i>	Yucatan.....	94
102	<i>Egyptilia vinaceiflva</i>	Yucatan.....	95
103	<i>Egyptilia wellsii</i>	Island of Grenada, West Indies.....	94
104	<i>Ereunetes occidentalis</i> *.....	California, Oregon.....	23
105	<i>Eupherusa eupreiceps</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 caeruleiceps</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>Glancis aeneus</i>	Costa Rica.....	36
119	<i>Glancis 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>Hadrostrum albiventris</i>	Mexico.....	35
125	<i>Hamophila sumichrasti</i>	Mexico.....	54
126	<i>Harpagus fasciatus</i>	Guatemala.....	47
127	<i>Helcodytes albo-brunneus</i>	Panamá.....	16
128	<i>Heliodoxa henryi</i>	Costa Rica.....	35
129	<i>Helimaster spectabilis</i> *.....	Costa Rica.....	35
130	<i>Helimaster stuartæ</i>	New Grenada.....	8
131	<i>Heliodadica castaneocauda</i>	Lower California.....	8
132	<i>Hemiprocne minor</i>	New Grenada.....	94
133	<i>Hirundo aequatorialis</i>	Ecuador.....	35
134	<i>Hylophilus aetideaudus</i>	Venezuela.....	27
135	<i>Hylophilus aurantiifrons</i>	New Grenada.....	14
136	<i>Hylophilus pusillus</i>	New Grenada.....	14
137	<i>Hylophilus viridiflavus</i>	New Grenada.....	14
138	<i>Icteria longicauda</i> *.....	California.....	9
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 boupartii</i>	Mexico.....	55
146	<i>Leptoptila cassinii</i>	New Grenada.....	36
147	<i>Leptoptila fulviventris</i> *.....	Yucatan.....	94
148	<i>Leptoptila riottæ</i>	Costa Rica.....	44
149	<i>Lesbia ortoni</i>	Ecuador.....	51
150	<i>Leucopexa bishopi</i>	Island of St. Vincent, West Indies.....	77
151	<i>Leucopernis semiplumbeus</i>	New Grenada.....	9
152	<i>Lipaugus albogriseus</i>	New Grenada.....	21

* See note at end of this list.

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

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

No.	Name.	Habitat of type.	Page antea.
153	<i>Loxigilla portoricensis grandis</i>	Island of St. Christopher, West Indies	93
154	<i>Macrorhamphus sceloporeus</i>	Shores of Gulf of Mexico, Mississippi Valley, and westward	1
155	<i>Margarops albyventris</i>	Island of Grenada, West Indies	94
156	<i>Margarops dominicensis</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 plumbeus</i>	Guiana	93
163	<i>Mimus melanopterus</i>	Venezuela	2
164	<i>Mimus nigriloris</i>	Mexico	55
165	<i>Mionectes olivaceus</i>	Costa Rica	10
166	<i>Mitrophorus aurantiiventris</i>	Costa Rica	21
167	<i>Myiadestes sibilans</i>	Island of St. Vincent, West Indies	77
168	<i>Myiarchus flammulatus</i>	Mexico	63
169	<i>Myiarchus oberi</i>	Island of Dominica, West Indies	75
170	<i>Myiarchus panamensis</i>	Panama	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 africanus</i>	Panama	19
175	<i>Myiodynastes superciliaris</i>	Costa Rica	35
176	<i>Myiozetetes gramineus</i>	Panama	17
177	<i>Myiozetetes grandis</i>	Peru	55
178	<i>Myiozetetes mornatus</i>	Venezuela	51
179	<i>Myiozetetes marginatus</i>	Panama	19
180	<i>Myiozetetes rufipennis</i>	Venezuela	51
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>Oethoeca flaviventris</i>	South America	98
188	<i>Oethoeca rufomarginatus</i>	Ecuador	57
189	<i>Orchilus atricapillus</i>	Costa Rica	64
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>Pachyrhamphus 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	55
199	<i>Petrochelidon albilinea</i>	New Grenada	20
200	<i>Phaethornis atrimentalis</i>	Ecuador	5
201	<i>Phaethornis cassini</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 davo-aurantius</i>	(?)	8
206	<i>Pheneticus tibialis</i>	Costa Rica	25
207	<i>Philydor rufobrunneus</i>	Costa Rica	23
208	<i>Philydor virgatus</i>	Costa Rica	35
209	<i>Phenicotherapis carmoli</i>	Costa Rica	38
210	<i>Phenicotherapis cristata</i>	New Grenada	63
211	<i>Phenicotherapis yinacea</i>	New Grenada	36
212	<i>Phonipara funosa</i>	Island of Trinidad, West Indies	58
213	<i>Phlogopsis macleaniani</i>	Panama	9
214	<i>Pipinus coccinicoollaris</i>	New Grenada	18
215	<i>Pipilo carmani</i>	Socorro Island	54
216	<i>Pipra cinnamomea</i>	Amazon River, South America	47
217	<i>Pitangus albovittatus</i>	Panama	17
218	<i>Pitangus gabbii</i>	Santo Domingo	63
219	<i>Pitrys bicolor</i>	New Grenada	20
220	<i>Platyrhynchus superciliaris</i>	Panama	19
221	<i>Plectrophanes nuceownii</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	51
225	<i>Pogonotriccus zelandi</i>	Costa Rica	16
226	<i>Poliophtila albiventris</i>	Yucatan	95
227	<i>Poliophtila melanura</i>	Texas, California	4
228	<i>Poliophtila plumbeiceps</i>	Venezuela	27
229	<i>Poliophtila 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>Psittovivus subcaeruleus</i>	New Grenada	18
234	<i>Pyrgosoma xantusii</i>	Mexico	55
235	<i>Pyrrhophona 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 guadeloupeensis</i>	Island of Guad-loupe, West Indies	89
240	<i>Ramphocœnis semitorquatus</i>	New Grenada	18
241	<i>Ramphomicon olivaceus</i>	Bolivia	22
242	<i>Regulus satrapa aztecus</i>	Mexico	98
243	<i>Rhynchoeyclus flavo-olivaceus</i>	New Grenada	21
244	<i>Rhynchoeyclus griseimentalis</i>	Costa Rica	40
245	<i>Rhynchoeyclus 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	21
249	<i>Saltator plumbiceps</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 amaura</i>	Island of Antigua, West Indies	82
254	<i>Spermophila atriceps</i>	Mexico	35
255	<i>Spermophila ladiiventris</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 moreletti sharpei</i>	Texas	99
264	<i>Stenopsis albicauda</i>	Costa Rica	63
265	<i>Stenopsis maculicaudus</i>	Brazil	17
266	<i>Sterna pikei</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 atricapillus</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 rubritrons</i>	Panama	27
277	<i>Tachyphonus tibialis</i>	Costa Rica	22
278	<i>Thalurania luciae</i>	Tres Marias Islands	17
279	<i>Thamnophilus hollandi</i>	Nicaragua	26
280	<i>Thamnophilus leucopygus</i>	New Grenada	35
281	<i>Thamnophilus nigrescens</i>	Venezuela	35
282	<i>Thamnophilus nigricristatus</i>	Panama	27
283	<i>Thamnophilus tenuifasciatus</i>	Ecuador	35
284	<i>Thamnophilus virgatus</i>	New Grenada	46
285	<i>Thaumatias luciae</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 galbairithi</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 superciliiaris</i>	Ecuador	53
295	<i>Tinamus frantzii</i>	Costa Rica	45
296	<i>Todirostrum olivaceum</i> *	Panama	17
297	<i>Todirostrum superciliiaris</i>	Venezuela	55
298	<i>Toxostoma lecontei</i> *	California	3
299	<i>Trochilus auricularis</i>	(?)	17
300	<i>Troglodytes brachyurus</i>	Vuetau	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 caribæus</i>	Island of Grenada, West Indies	77
307	<i>Turdus hanxwelli</i>	Peru	51
308	<i>Turdus nigritrostris</i>	Island of St. Vincent, West Indies	77
309	<i>Turdus obsolctus</i>	New Grenada	18
310	<i>Turdus reevei</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 cassinii</i>	Texas	2
315	<i>Urochroa leucura</i>	Ecuador	2
316	<i>Urosticte ruficrissa</i>	Ecuador	2
317	<i>Vireosylvia atripennis</i>	Sombbrero Island, West Indies	22
318	<i>Vireosylvia calidris 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	92
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 xantusi* is now *Basilinna xantusi* (Lawr.). No. 440 of A. O. U. Check-list.
 No. 8, *Anser nigricans*=*Bernicla nigricans*, now *Branta nigricans* (Lawr.). No. 171 of A. O. U. Check-list.

No. 54, *Chordeiles texensis* is now No. 421 of A. O. U. Check-list.

No. 61, *Columbus pacificus* is now *Urinator pacificus* (Lawr.). No. 10 of A. O. U. Check-list.

No. 67, *Corethrura albigularis*=*Porzana albigularis*.

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, *Peneva mexicana* (Lawr.)

No. 93, *Embernagra rufivirgata* is now No. 586 of A. O. U. Check-list.

No. 104, *Eremetes occidentalis* is now No. 247 of A. O. U. Check-list.

No. 107, *Euphonia niveicauda* was considered by Mr. John Gould to be *Thaumatococcus chionurus* Gould.

No. 114, *Geotrygon caruleiceps* proves to be a synonym for *Geotrygon chiriquensis*, ScL.

No. 120, *Helimaster 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*=*Egyptila fulviventris* (Lawr.).

No. 160, *Mellisuga 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 meadowii* is at present No. 539 of A. O. U. Check-list, *Rhynchophanes meadowii* (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, *Echmophorus clarkii* (Lawr.).

No. 223, *Podiceps occidentalis* is now *Echmophorus occidentalis* (Lawr.). No. 1 of A. O. U. Check-list.

No. 231, *Procellaria brevirostris* was afterwards considered to be *Procellaria meridionalis* and subsequently called *Estrelata meridionalis*.

No. 289, *Thryothorus castaneus* was later called *Thryophilus castaneus*

No. 296, *Todirostrum olivaceum* becomes, by Mr. P. L. Selater's revision of the generic names *Oncotoma olivacea* (Lawr.).

No. 298, *Toxostoma lecontei* is now *Harporhynchus 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 *Hemiphila* thus becoming *H. melanotis*, but appears as *Aimophila melanotis* in "Birds of Western and Northwestern Mexico."

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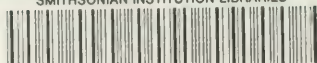
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