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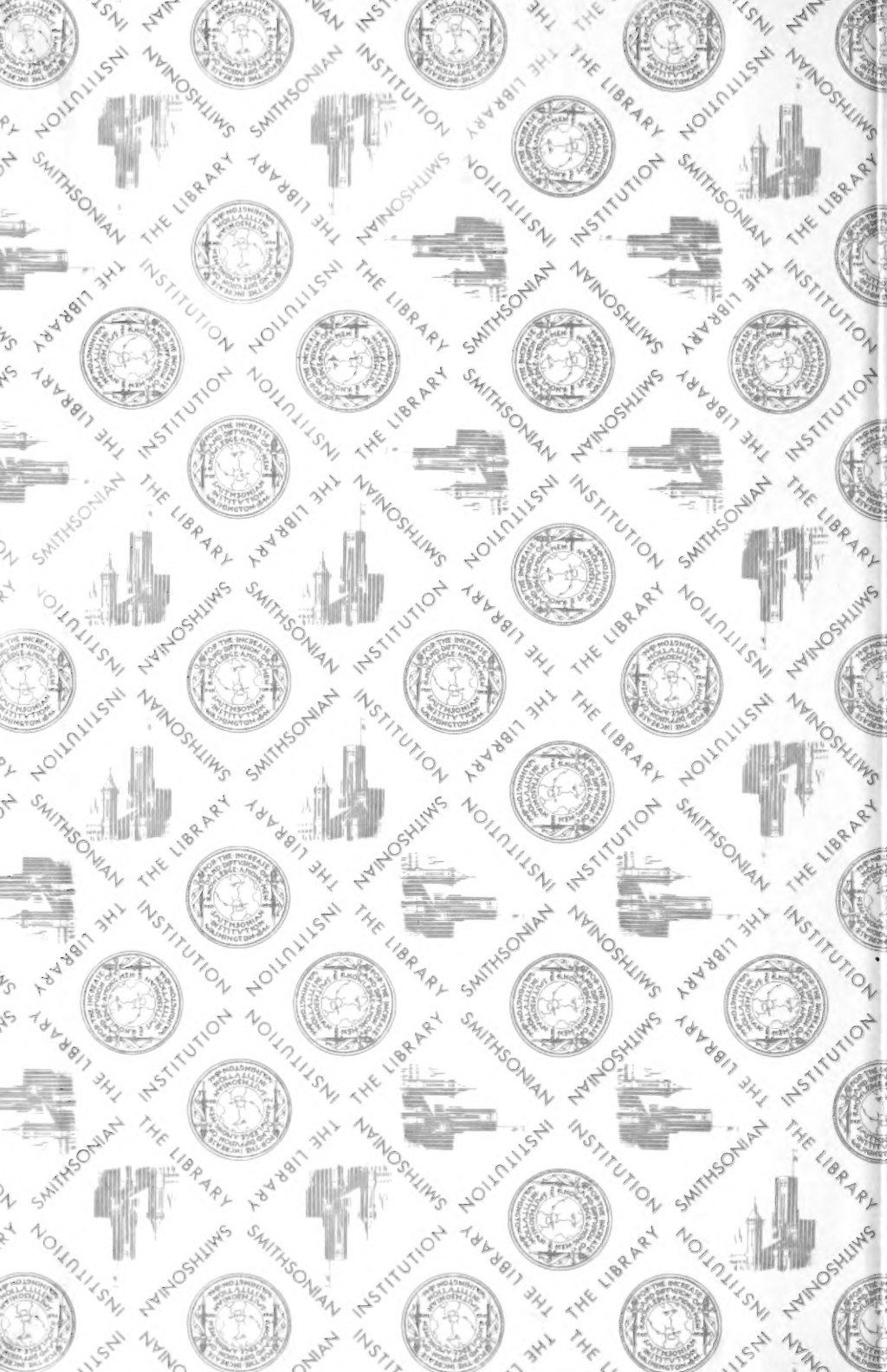
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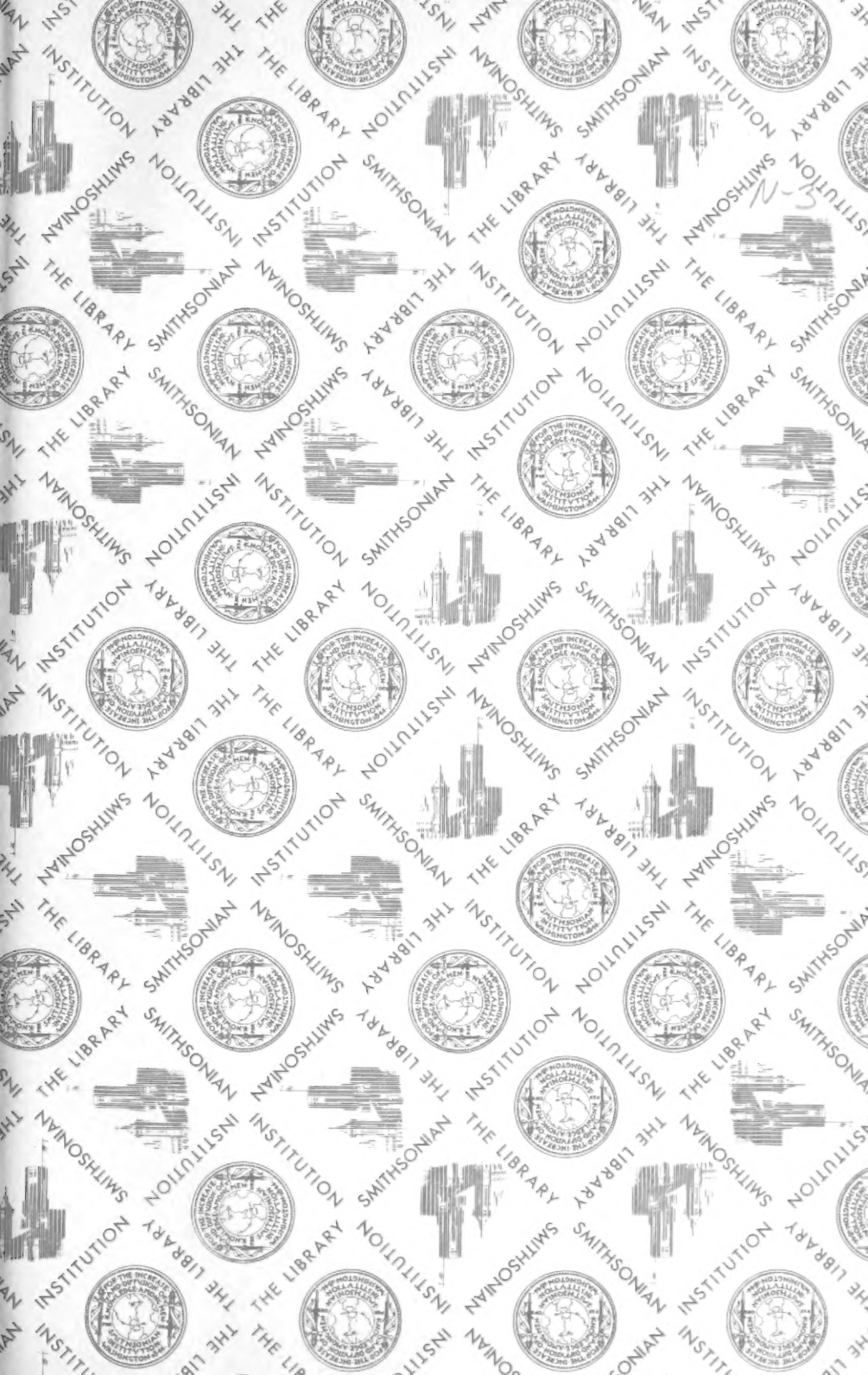
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No. 40.

BIBLIOGRAPHIES OF AMERICAN NATURALISTS
IV. THE PUBLISHED WRITINGS OF GEO.
NEWBOLD LAWRENCE, 1844-1891.

BY

L. S. FOSTER.

WASHINGTON:
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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. A. Lawrence.

I V .

THE PUBLISHED WRITINGS

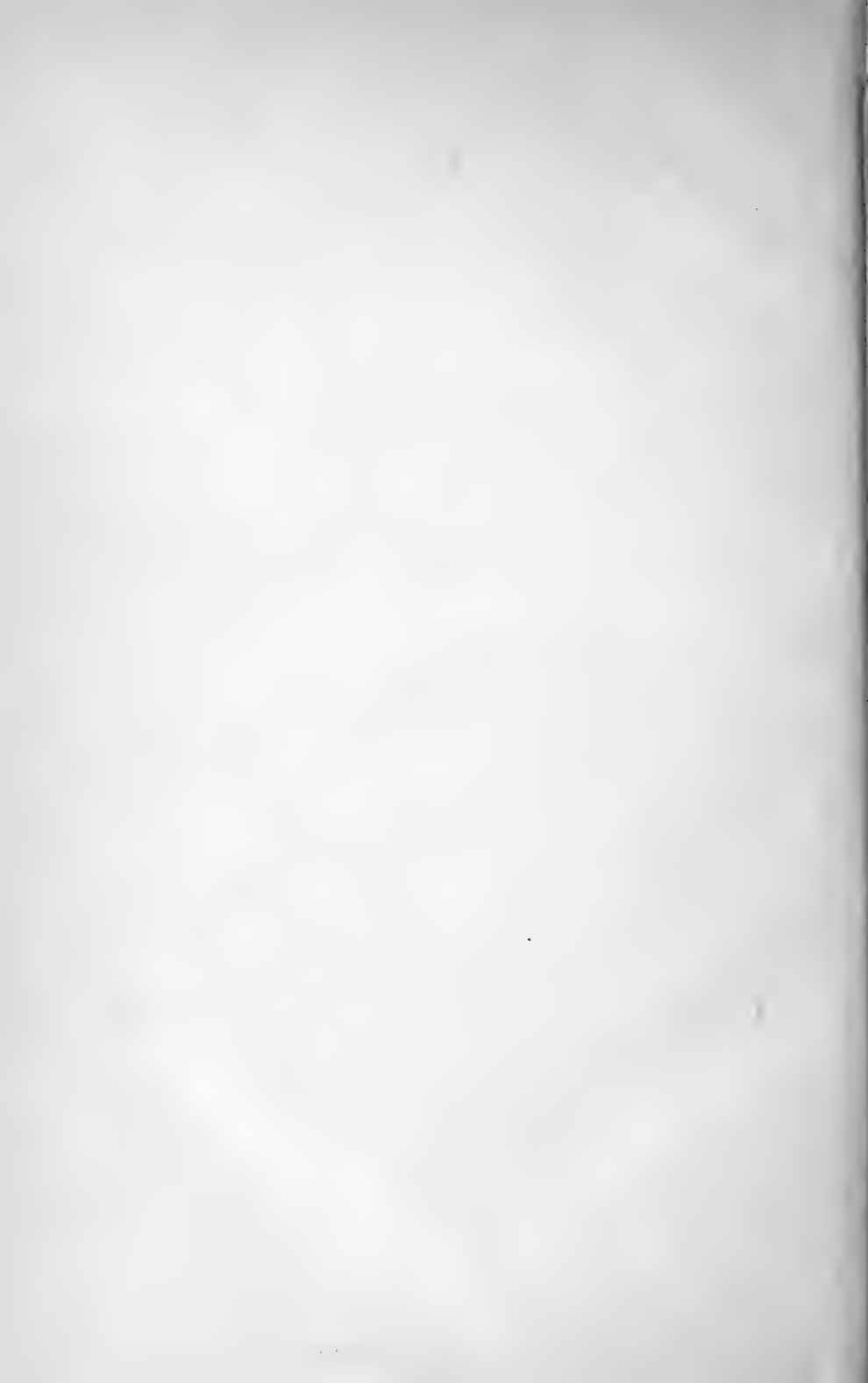
OF

GEORGE NEWBOLD LAWRENCE, 1844-1891.

L. S. FOSTER.

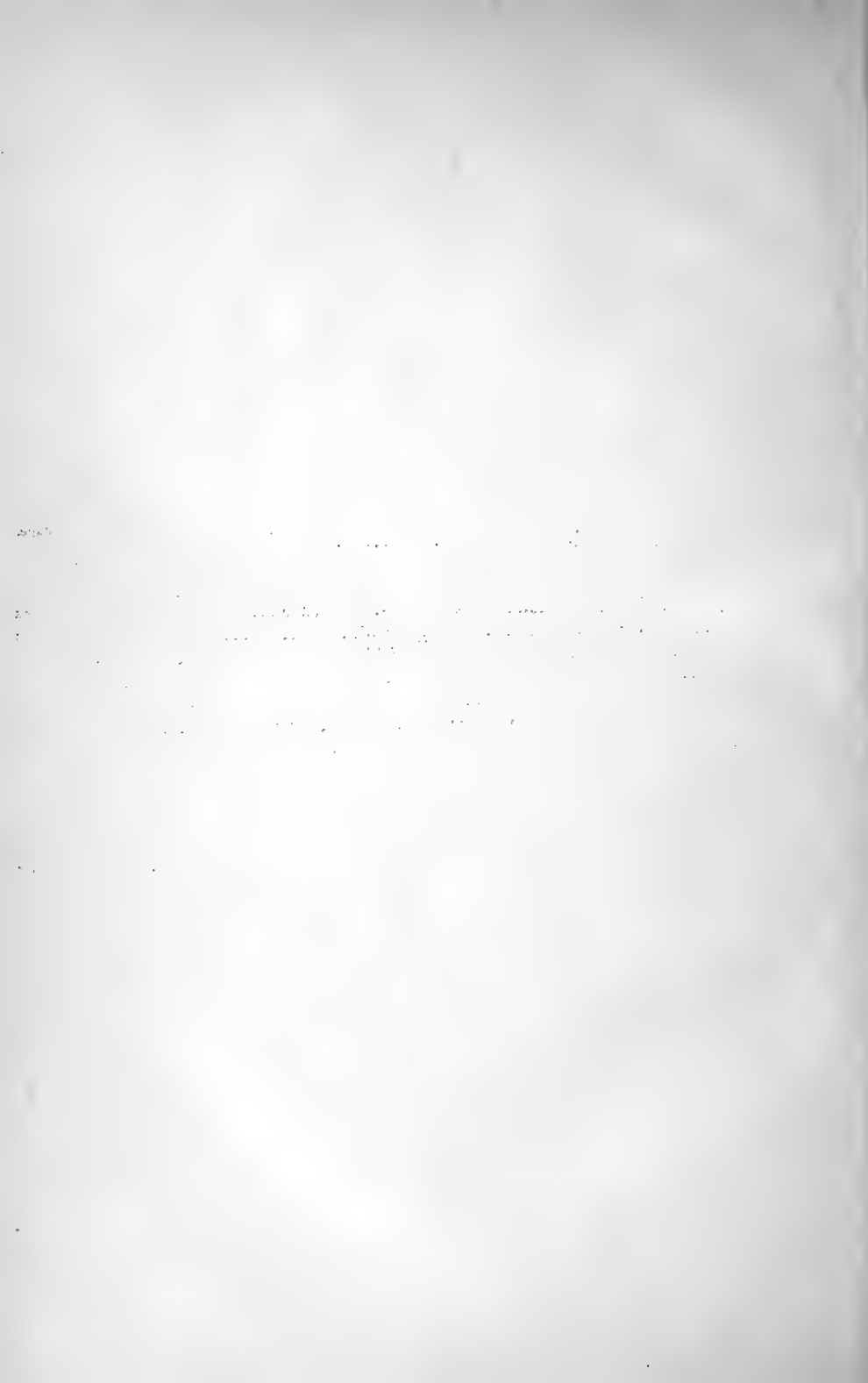


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BIOGRAPHICAL SKETCH OF GEORGE NEWBOLD LAWRENCE.

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 Linnaean 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. [155] 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 Leuconerpes, 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, Bucconidæ and Strigidæ. By P. L. Selater and Osbert Salvin. <*Proc. Zool. Soc. Lond.*, 1868, pp. 327 & 328, 329, Pl. XXIX, wc. 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.
- Lanius 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.
- Hæmophila 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.
- Tache laurencei*, von Berlepsch. Lawrence's Humming Bird. Descriptions of new Species and Subspecies of Trochilidae. 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. 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. Y.....page 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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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.

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1849. LAWRENCE, GEORGE N. Observations on the preceding Paper (one by John Bell, "Observations on the *Limosa scolopacea* of Say"). By George N. Lawrence. Read January 7, 1849. <*Ann. Lyc. Nat. Hist. New York*. Vol. V, 1852, pp. 4, 5, plate No. I of *Macrorhamphus scolopaceus*, Lawr., ♂ in summer and ♀ in winter. Issued in No. 1, May, 1849.

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

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1. *Sylochelidon caspius*Long Island, New Jerseypages 37, 38

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

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1851. LAWRENCE GEORGE N. Descriptions of new species of Birds of the genera *Conirostrum*, *D'Orb. et Lafr.*, *Embernagra*, *Less.* and *Xanthornus*, *Briss.*, together with a List of other species not heretofore noticed as being found within the limits of the United States. By George N. Lawrence. Read 28th April, 1851. <Ann. Lyc. Nat. Hist. New York. Vol. v, 1852, pp. 112-117, plate No. v of *Conirostrum ornatum* and *Embernagra rufivirgata*. Issued in No. 3, May, 1851.

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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 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.

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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
2. <i>Helinaia swainsonii</i> Aud..... Louisiana.....	263

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1888. LAWRENCE, GEORGE N. Description of a new species of bird of the genus *Catharus*, from Ecuador. By George N. Lawrence. <Proc. U. S. Nat. Mus. Vol. x, 1887, p. 503. Issued August 6, 1888.

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1. <i>Catharus berlepschi</i> , n. s..... Cayandeled, Western Ecuador.....	503

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1. <i>Troglodytes tobagensis</i> , n. s..... Island of Tobago, West Indies.....	404

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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 *Zenaida rubripes*. By George N. Lawrence. <The Auk. Vol. vi, No. 1, January, 1889, pp. 19-21. Published January 4, 1889.

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1. <i>Puffinus auduboni</i> , Finsch..... Island of Grenada, West Indies.....	19-21
2. <i>Zenaida rubripes</i> , Lawr..... Island of Grenada, West Indies.....	19-21

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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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1891. LAWRENCE, GEORGE N. Description of a new subspecies of Cypselidæ of the genus *Chætura*, 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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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 antea.
1	<i>Accipiter gundlachi</i>	Cuba.....	8
2	<i>Accipiter nigrophimbens</i>	Ecuador.....	54
3	<i>Egialitis tenuirostris</i>	Cuba.....	17
4	<i>Aglaeactis olivaceocauda</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.....	26
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.....	24
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>Brotogerys 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 vitellinus</i>	Panama and Nicaragua.....	23
30	<i>Catharus borlepschi</i>	Ecuador.....	99
31	<i>Catherpes sumichrasti</i>	Mexico.....	55
32	<i>Celex squamatus</i>	Panama.....	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>Coryle stictipennis</i>	Island of Guadeloupe, West Indies.....	95
36	<i>Chaetura dominicana</i>	Island of Dominica, West Indies.....	85
37	<i>Chaetura dominicana colardeauti</i>	Island of Guadeloupe, West Indies.....	100
38	<i>Chaetura gaumeri</i>	Yucatan.....	93
39	<i>Chaetura peregrinator</i>	Yucatan.....	95
40	<i>Chaetura yucatanica</i>	Yucatan.....	94
41	<i>Chalybura ruficauda</i>	Venezuela.....	27
42	<i>Chalybura carinoli</i>	Costa Rica.....	27
43	<i>Chloroenas subvinacea</i>	Costa Rica.....	44
44	<i>Chloroneryx 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 caribæus</i>	Curaco, West Indies.....	53
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 celigena</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.....	54
60	<i>Coccyzus julieni</i>	Sombbrero Island, West Indies.....	22
61	<i>Colymbus pacificus</i> *.....	California, Puget Sound.....	8
62	<i>Conirostrum 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>Corethraura albicularis</i> *.....	New Grenada.....	13
68	<i>Corethraura guatemalensis</i> *.....	Guatemala.....	22
69	<i>Coturniculus mexicanus</i> *.....	Mexico.....	25
70	<i>Cotyle uropygialis</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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73	Cyanocorax ortoni	Pernu	75
74	Cyanospiza rosita	Mexico	58
75	Cyrtonyx sumichrasti	Mexico	75
76	Dacnis ultramarina	Panamá	23
77	Dacnis venusta	New Grenada	17
78	Dendroeca capitata	Barbados	46
79	Dendroeca petechia melanoptera	Island of Guadeloupe, West Indies	89
80	Dendroeca plumbea	Island of Dominica, West Indies	75
81	Dendrocincla olivacea	New Grenada	17
82	Dendroornis lachrymosus	New Grenada	17
83	Dendroornis mentalis	Mexico	35
84	Dendroornis nana	Panamá	19
85	Doricha bryanta	Costa Rica	35
86	Dromococyx rufigularis	Guatemala	36
87	Dysithamnus rufiventris	New Grenada	23
88	Dysithamnus striaticeps	Costa Rica	23
89	Elainea chiriquensis	New Grenada	25
90	Elainea frantzii	Costa Rica	24
91	Elainea macilvaii	Venezuela	55
92	Elainea semillava	New Grenada	25
93	Embernagra rufivirgata	Texas	2
94	Empidonax atrirostris	Venezuela	55
95	Empidonax flavescens	Costa Rica	23
96	Empidonax fulvipectus	Mexico	55
97	Empidonax griseigularis	New Grenada	18
98	Empidonax griseipectus	Ecuador	53
99	Empidonax nanus†	Santo Domingo	67
100	Empidonax pectoralis	New Grenada	35
101	Engyptila gaumeri	Yucatan	94
102	Engyptila vinaceiflva	Yucatan	95
103	Engyptila wellsii	Island of Grenada, West Indies	94
104	Eremnetes occidentalis*	California, Oregon	23
105	Eupherusa cupreiceps	Costa Rica	35
106	Eupherusa nigriventris	Costa Rica	36
107	Eupherusa niveicauda*	Costa Rica	24
108	Euphonia purpurea	South America	35
109	Formicarius pallidus	Yucatan	94
110	Formicivora griseigula	British Guiana	94
111	Formicivora schisticolor	Costa Rica	24
112	Formicivora virgata	Panamá	19
113	Geotrygon albiventer	Panamá	27
114	Geotrygon caeruleiceps*	Costa Rica	44
115	Geotrygon costaricensis	Costa Rica	44
116	Geotrygon rufiventris	Costa Rica	63
117	Geotrygon veraguensis	New Grenada	35
118	Glaucis aeneus	Costa Rica	36
119	Glaucis alpinis	Ecuador	5
120	Grallaria costaricensis	Costa Rica	34
121	Grallaria gigantea	Ecuador	34
122	Grallaria perspicillata	New Grenada	13
123	Gymnolaux newtoni	St. Croix and St. Thomas, West Indies	77
124	Hadrostomus albiventris	Mexico	35
125	Hæmophila sumichrasti	Mexico	54
126	Harpagus fasciatus	Guatemala	47
127	Heleodytes albo-brunneus	Panamá	16
128	Heliodoxa henryi	Costa Rica	35
129	Helimaster spectabilis*	Costa Rica	35
130	Helimaster stuartæ	New Grenada	8
131	Heliopeadia castaneocauda	Lower California	8
132	Hemiprocne minor	New Grenada	94
133	Hirundo æquatorialis	Ecuador	35
134	Hylophilus acuticaudus	Venezuela	27
135	Hylophilus aurantiifrons	New Grenada	14
136	Hylophilus pusillus	New Grenada	14
137	Hylophilus viridiflavus	New Grenada	14
138	Icteria longicauda*	California	3
139	Icterus formosus	Mexico	55
140	Icterus oberi	Island of Montserrat, West Indies	93
141	Imolaima frontalis	Ecuador	5
142	Larus californicus†	California	4
143	Larus suckleyi	Puget Sound	5
144	Leptopogon flavovirens	New Grenada	18
145	Leptoptila bonapartii	Mexico	55
146	Leptoptila cassinii	New Grenada	36
147	Leptoptila fulviventris*	Yucatan	94
148	Leptoptila riottei	Costa Rica	44
149	Lesbia ortoni	Ecuador	54
150	Leucopoeza bishopi	Island of St. Vincent, West Indies	77
151	Leucopternis semiplumbeus	New Grenada	9
152	Lipaugus albogriseus	New Grenada	21

* See note at end of this list.

† Type of new genus, Lawrenceia, 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 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 dominicensis</i>	Island of Grenada, 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	40
166	<i>Mitrephorus 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>	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	19
174	<i>Myiobius atricaudus</i>	Panamá	55
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	23
186	<i>Myrmotherula modesta</i>	Costa Rica	40
187	<i>Oethoeca flaviventris</i>	South America	98
188	<i>Oethoeca rufomarginatus</i>	Ecuador	54
189	<i>Orchilus 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>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	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-aurantius</i>	(?)	8
206	<i>Pheneticus tibialis</i>	Costa Rica	35
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 vinacea</i>	New Grenada	36
212	<i>Phonipara fumosa</i>	Island of Trinidad, West Indies	58
213	<i>Phlogopsis macleaniani</i>	Panamá	9
214	<i>Pionus cockincolaris</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 mcoweni</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- antca.
232	<i>Procellaria meridionalis</i>	Florida	1
233	<i>Psittovius subcaeruleus</i>	New Grenada	18
234	<i>Pyrgosoma xantusii</i>	Mexico	55
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* See note at end of this list.

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312	<i>Tyrannula cinerascens</i> *	Texas	3
313	<i>Tyrannulus brunneicapillus</i>	Panama	17
314	<i>Tyrannus cassinii</i>	Texas	2
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317	<i>Vireosylva atripennis</i>	Sonbrero Island, West Indies	22
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319	<i>Xanthornus affinis</i> *	Texas and Mexico	78
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322	<i>Zenaidura yucatanensis</i>	Yucatan	32
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, *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, *Peuca 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, *Eupherusa niveicauda* was considered by Mr. John Gould to be *Thaumatocorys ebionurus*, Gould.
 No. 114, *Geotrygon ceruleiceps* proves to be a synonym for *Geotrygon chiriquensis*, ScL.
 No. 129, *Heliomaster spectabilis* is 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, *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 *Æstelata 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 *Oncostoma olivacea* (Lawr.).
 No. 298, *Toxostoma lecontei* is now *Harporrhynchus 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 *Aimophila melanotis* in "Birds of Western and Northwestern Mexico."



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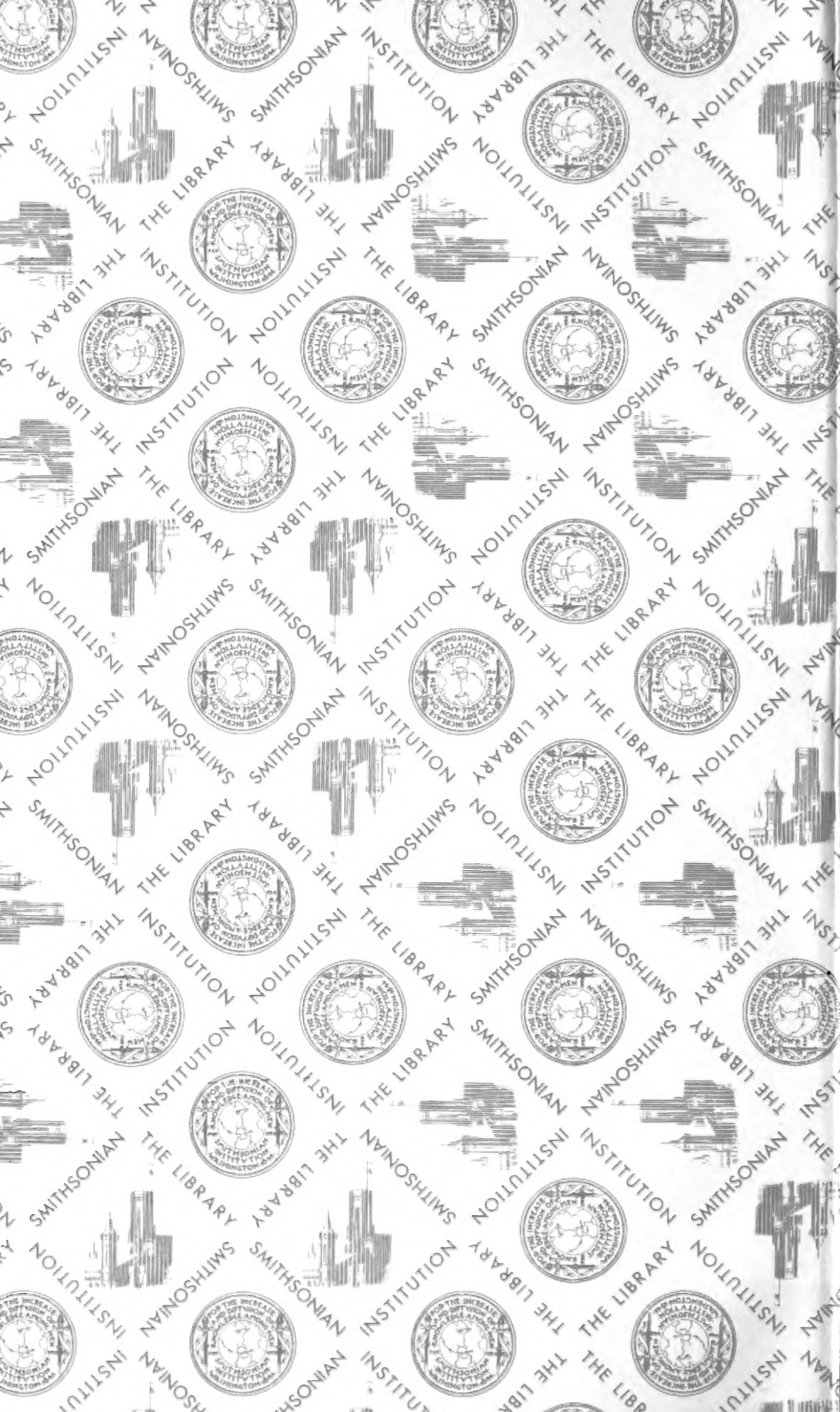
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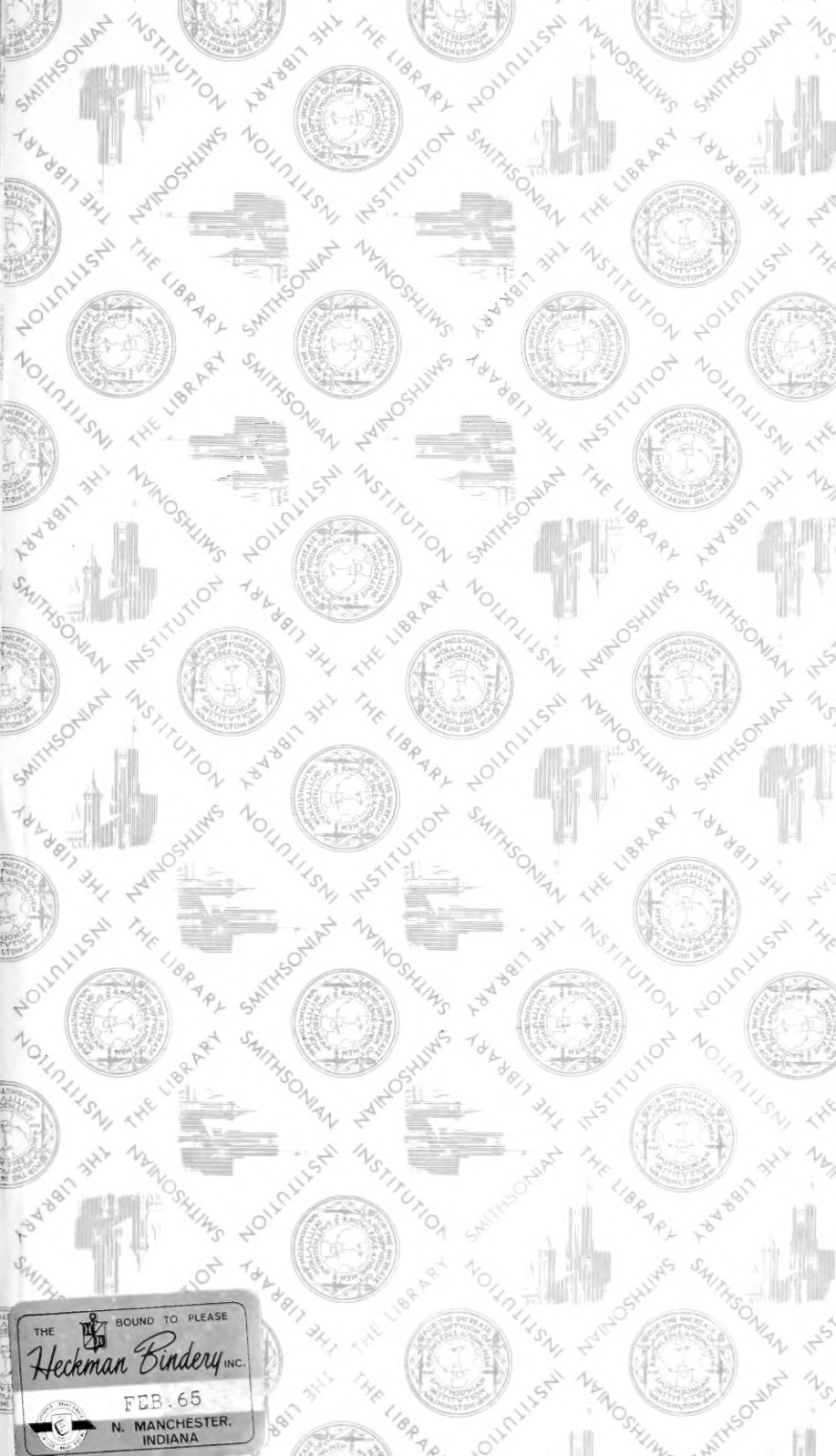
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