

TYPE SPECIMENS OF BIRDS IN THE SAN DIEGO
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The bird collections of the San Diego Society of Natural History are mainly composed of specimens from the southwestern United States and Baja California, Mexico. Among the more than 37,000 specimens are 17 holotype and 2 syntype specimens that served as the bases for 18 avian subspecies. Twelve of these subspecies were proposed by the late Laurence M. Huey, Curator of Birds and Mammals at the San Diego Natural History Museum from 1923 to 1961, four by the late A. J. van Rossem, one by the late Frank Stephens, and one by J. Elton Green and Lee W. Arnold. Of the 18 forms proposed, ten are currently considered valid by most workers.

In this list of specimens the following information is given: name as originally published; name currently accepted by the A. O. U. Check-list, 5th ed. or, where pertinent, by the Check-list of the birds of Mexico, if different from the original; and type locality. Geographic coordinates not given in the original descriptions, emendations, and corrected spellings are given in brackets. The current taxonomic status of each race has been reviewed. For brevity I have usually cited only the earliest published opinion on the validity of each race, except that major revisionary studies are also cited. Unless stated otherwise, races accepted by the first reviewer are recognized in each of the publications cited below that appeared subsequent to the original description; conversely, races considered invalid by the first reviewer have been merged by all subsequent authors.

American Ornithologists' Union

1957. Check-list of North American birds, 5th ed.

Friedmann, H. L., L. Griscom, and R. T. Moore

1950. Distributional check-list of the Birds of Mexico, Pt. 1. Pac. Coast Avifauna 29.

Miller, A. H., H. L. Friedmann, L. Griscom, and R. T. Moore

1957. Distributional check-list of the birds of Mexico, Pt. 2. Pac. Coast Avifauna 33.

Peters, J. L., and others

1931-1962. Check-list of birds of the world. Vols. 1-7, 9, 15. Harvard University Press.

Cory, C. B., C. E. Hellmayr, and B. Conover

1918-1949. Catalogue of birds of the Americas and adjacent islands. Pt. 1, nos. 1-4; Pt. 2, nos. 1-2; Pts. 3-11. Field Mus. Nat. Hist. Zool. Ser. Vol. 13.

To determine the validity of a taxon, it is often necessary to reconstruct the type-series and to independently analyze the material upon which a description is based. For

this reason paratypes are listed whenever possible, even though they have no nomenclatorial standing. No specimens formally designated as paratypes are known to be in the collections. However, following Cochran (1961. U. S. Natl. Mus. Bull. 220: xii) I consider paratypes to include all specimens that served as the basis for the original description regardless of whether they were formally designated.

Huey often listed catalog numbers of specimens that he referred to new taxa; such specimens I consider unquestioned paratypes. In some instances, he gave only locality data for referred specimens, but from these data and the dates of collection it is possible to identify those specimens still extant in this collection. Each series of paratypes thus identified is indicated by an asterisk. Because of the greater risk of error, I made no attempt to identify specimens borrowed from other institutions. Stephens, Green and Arnold, and van Rossem gave no references to specimens they examined.

CATALOGUE

Hydranassa tricolor occidentalis Huey

San Diego Soc. Nat. Hist., Trans. 5 (7): 83-84; 10 October 1927.

= *Hydranassa tricolor ruficollis* (Gosse)

Holotype. — Adult male; skin in good condition. Collected by L. M. Huey, 25 May 1926. Original no. 54, now SDSNH no. 10644.

Type locality. — Scammon[']s Lagoon, Baja California, Mexico; lat. 28°04'N, long. 114°05'W.

*Paratypes**. — 9788, Sweetwater slough, San Diego Bay, California; 30889, La Punta, San Diego Bay, California; 11414-11416, 11435, 11462, 30890, Pond Lagoon, Baja California, Mexico; 10643, 10645-10647, Scammon's Lagoon, Baja California, Mexico; 11463, San Ignacio Lagoon, Baja California, Mexico.

Status. — Grinnell (1928. Univ. Calif. Publ. Zool. 32: 84) did not recognize this race, presumably on the basis of a letter from van Rossem stating "material examined in eastern museums shows great range of variation in birds of the South Atlantic portion of North America, quite including the extremes in size recorded by Huey from Lower California. Neither does there appear to be even an average color difference." Peters (1931, Check-list of birds of the World, Vol. 1, p. 113) placed *occidentalis* in synonymy with *ruficollis*. The A. O. U. Check-list (1931, 4th ed., p. 29) noted only that Huey had proposed racial separation for the birds from Baja California. Apparently the validity of this race has never been satisfactorily determined.

Nyctanassa violacea bancrofti Huey

Condor 29: 167-168, fig. 56; 15 May 1927.

Holotype. — Adult male: skin in good condition. Collected by L. M. Huey, 25 May 1926. Original no. 64, now SDSNH no. 10654.

Type locality. — Scammon[']s Lagoon, Baja California, Mexico; lat. 28°04'N, long. 114°05'W.

*Paratypes**. — 10655-10657, Scammon's Lagoon, Baja California, Mexico; 2468, San Benito Is., Mexico.

Status. — Recognized as a valid subspecies by the A. O. U. Check-list Committee (1931. Check-list of North American Birds, 4th ed., p. 31).

***Callipepla gambeli deserticola* Stephens**

Auk 12: 371-372; October 1895

= *Lophortyx gambelii gambelii* Gambel

Syntypes. — Adult male; skin in good condition. Collected by F. M. Stephens, 15 January 1890. Original no. 4969, now SDSNH no. 264. (Stephens incorrectly cited this specimen as a female, but male sex is indicated by the original label as well as by plumage.) Adult female; skin in good condition. Collected by F. M. Stephens, 1 January 1890. Original no. 4938, now SDSNH no. 265.

Type locality. — The male specimen (SDSNH no. 264) was collected at Palm Springs, San Diego County [now Riverside County], California, elev. 100 ft. The female (SDSNH no. 265) was taken at Walters (now Mecca), Colorado desert [now Riverside County], California, elev. 250 ft. Since the male was listed first by Stephens, Grinnell (1931, Univ. Calif. Publ. Zool. 38: 270) restricted the type locality to Palm Springs. Because of this action, the male specimen must be considered a lectotype.

Status. — Considered inseparable from *Callipepla gambelii* by the A. O. U. Check-list Committee (1897. Auk 14: 132).

***Oreortyx picta eremophilus* van Rossem**

Condor 39: 22; 15 January 1937.

Holotype. — Adult male; skin in good condition. Collected by A. J. van Rossem, 27 October 1935. SDSNH no. 17324.

Type locality. — Lang Spring, Mountain Spring Canyon, Argus Mountains, Inyo County, California, elev. 6000 ft.

Status. — Recognized by the A. O. U. Check-list Committee (1944. Auk 61: 446). Hellmayr and Conover (1948. Cat. birds of the Americas, Vol. 13, Pt. 1, No. 2, p. 229) merged *eremophilus* with *picta*.

***Endomychura hypoleuca scrippsi* Green and Arnold**

Condor 41: 25-29, figs. 14-16; 17 January 1939.

Holotype. — Adult male; skin in good condition. Collected by J. E. Green, 16 May 1938. Original no. 4105, now SDSNH no. 17934.

Type locality. — Anacapa Island, California.

Status. — Recognized by the A. O. U. Check-list Committee (1944. Auk. 61: 449).

***Otus asio cardonensis* Huey**

Auk 43: 360-362; July 1926.

Holotype. — Adult female; skin in good condition. Collected by L. M. Huey 18 April 1923. SDSNH no. 8671.

Type locality. — Canyon San Juan de Dios (10 mi E El Rosario), Baja California, Mexico [lat. 30°11'N, long. 115°35'W].

Paratypes. — 8607, 8610-8616, 6 mi E El Rosario, Baja California, Mexico; 8671, 10 mi E El Rosario, Baja California, Mexico.

Status. — Recognized by the A. O. U. Check-list Committee (1944. Auk 61: 450). and by Marshall (1967. West. Found. Vert. Zool. Monograph 1, p. 13).

***Dryobates villosus scrippsae* Huey**

San Diego Soc. Nat. Hist., Trans. 5(1): 9; 20 February 1927.

= *Dendrocopos villosus byloscopus* (Cabanis and Heine)

Holotype. — Adult male; skin in good condition. Collected by L. M. Huey, 27 September 1926. SDSNH no. 10847.

Type locality. — La Grulla, Sierra San Pedro Mártir, Baja California, Mexico [lat. $30^{\circ}53'N$, long. $115^{\circ}26'W$], elev. 7500 ft.

*Paratypes**. — In his original description, Huey (*op. cit.*) referred 10 specimens from Sierra San Pedro Mártir to this race. Ten specimens in this collection are doubtless the birds examined by Huey: 8761, 8762, 8786, 8814, 8815, 8842, 10829, 10848, 10853, 10854. Huey also referred 20 specimens from the Sierra Juárez region to *scrippsae*. It is virtually certain that these included the following 14 specimens: 9441, 9497, 9486, 9511, 9524, 9539, 10881, 10882, 10960, 11003, 11019, 11024, 11063, 11077.

Status. — Todd (1946. Ann. Carnegie Mus. 30: 512) considered *D. v. scrippsae* a synonym of *D. v. hyloscopus*.

***Dryobates nuttallii longirostrata* Huey**

San Diego Soc. Nat. Hist., Trans. 5(2): 27: 14 July 1927.

= *Dendrocopos scalaris eremicus* (Oberholser)

Holotype. — Adult male; skin in good condition. Collected by L. M. Huey, 13 April 1926. SDSNH no. 10448.

Type locality. — San Felipe, Baja California, Mexico [lat. $31^{\circ}02'N$, long. $114^{\circ}15'W$].

Paratype. — 31776, San Felipe, Baja California, Mexico.

Status. — As Grinnell (1928. Univ. Calif. Publ. Zool. 32: 121) pointed out, this form of "Nuttall's Woodpecker" was based on misidentified specimens of Ladder-backed Woodpecker (*Dendrocopos scalaris*).

***Aphelocoma californica cactophila* Huey**

San Diego Soc. Nat. Hist., Trans. 9(35): 432, 434; 1 October 1942.

= *Aphelocoma coerulescens cactophila* Huey

Holotype. — Adult female; skin in good condition. Collected by L. M. Huey, 24 October 1930. SDSNH no. 13549.

Type locality. — 3 mi N Punta Prieta, Baja California, Mexico; lat. $28^{\circ}56'N$, long. $144^{\circ}12'W$.

*Paratypes**. — 32230, 12041, 5 mi N Santa Rosalía Bay, Baja California, Mexico; 32229, 12,000, Mesquital, Baja California, Mexico; 11929-11932, 32225-32228, Llano de San Bruno, Baja California, Mexico; 11988, 32224 10 mi El Cañon, Baja California, Mexico; 13480, 13552, 13553, 14068, 14070, 25 mi N Punta Prieta, Baja California, Mexico; 11782, 9 mi N Punta Prieta, Baja California, Mexico; 13816, 14069, 3 mi N Punta Prieta, Baja California, Mexico; 11944, Campo Los Angeles, Baja California, Mexico; 15242, 15243, Santa Teresa Bay, Baja California, Mexico; 18275, San Borjas Mission, Baja California, Mexico.

Status. — Recognized as a valid race by the A. O. U. Check-list Committee (1945. Auk 62: 445) and by Pitelka (1951. Univ. Calif. Publ. Zool. 50 (3): 239-243). Blake (*in* Peters, 1962. Vol. 15, p. 212) considered *cactophila* a synonym of *hypoleuca*.

***Auriparus flaviceps ignatius* Huey**

San Diego Soc. Nat. Hist., Trans. 6(13): 211-212; 30 September 1930.

= *Auriparus flaviceps flaviceps* (Sundervall)

Holotype. — Adult male; skin in good condition. Collected by L. M. Huey, 8 March 1928. SDSNH no. 11886.

Type locality. — San Ignacio, Baja California, Mexico; lat. $27^{\circ}17'N$, [long. $112^{\circ}55'W$].

*Paratypes**. — Huey referred 23 specimens to *ignatius*, which doubtless included the following 18 in this collection: 15331, 15332, San Lucas, Baja California, Mexico; 32404, 32405, 10252, San José del Cabo, Baja California, Mexico; 32400, Calmallí, Baja California, Mexico; 12010, 12016, 32401, Mesquital, Baja California, Mexico; 11873, 11881, 24248, 24249, 32403, San Ignacio, Baja California, Mexico; 15335-15338, Santa Teresa Bay, Baja California, Mexico.

Status. — Grinnell (1931. Condor 33: 167) considered *A. f. ignatius* a synonym of *A. f. flaviceps*.

***Thryomanes bewickii magdalenensis* Huey**

San Diego Soc. Nat. Hist., Trans. 9(35): 430-431; 1 October 1942.

Holotype. — Adult male; skin in good condition. Collected by L. M. Huey, 20 November 1941. SDSNH no. 18453.

Type locality. — Santo Domingo, Magdalena Plain, Baja California, Mexico; lat. $25^{\circ}30'N$, [long. $111^{\circ}55'W$].

Paratypes. — 18435, 18438, 18440-18444, 18452, 18456, Santo Domingo, Baja California, Mexico; 18410, Arroyo Seco, Baja California, Mexico.

Status. — Recognized by the A. O. U. Check-list Committee (1948. Auk 65: 441).

***Thryomanes bewickii atricauda* Huey**

San Diego Soc. Nat. Hist., Trans. 9(35) 429, 431: 1 October 1942.

= *Thryomanes bewickii cerroensis* (Anthony)

Holotype. — Adult male; skin in good condition. Collected by L. M. Huey, 13 October 1941. SDSNH no. 19283.

Type locality. — San Borjas [= Borja], Baja California, Mexico; lat. $28^{\circ}52'N$, long. $113^{\circ}53'W$.

Paratypes. — 13817, 13556, 13861, 13862, 25 mi N Punta Prieta, Baja California, Mexico; 11786, Punta Prieta, Baja California, Mexico; 18272, 18282, San Borjas Mission, Baja California, Mexico.

Status. — I find no evidence that the validity of this form was reviewed by the A. O. U. Check-list Committee. Miller, Friedmann, Griscom, and Moore (1957. Pacific Coast Avifauna 33: 159) synonymized *T. b. atricauda* with *T. b. cerroensis*, without stated reasons.

***Dendroica erithachoroides rhizophorae* van Rossem**

San Diego Soc. Nat. Hist., Trans. 8(10): 67-68; 24 August 1935.

= *Dendroica petechia rhizophorae* van Rossem

Holotype. — Adult male; skin in good condition. Collected by A. J. van Rossem, 30 April 1930. Original no. 13008; Dickey collection no. 30293; SDSNH no. 17090.

Type locality. — Tobari Bay, Sonora, Mexico; lat. $26^{\circ}59'N$, long. $110^{\circ}56'W$.

Status. — Validity of this race accepted by Miller, Friedmann, Griscom, and Moore (1957. Pacific Coast Avifauna 33: 247).

Remarks. — Miller et al. (*op. cit.*) incorrectly stated that this specimen was in the Dickey collection (T. R. Howell, pers. comm.).

***Dendroica erithachorides hueyi* van Rossem**

San Diego Soc. Nat. Hist., Trans. 11(3): 50-51; 25 February 1947.

= *Dendroica petechia casteneiceps* Ridgway

Holotype. — Adult male; skin in good condition. Collected by L. M. Huey, 18 April 1927. SDSNH no. 11471.

Type locality. — San Ignacio Lagoon, Baja California, Mexico [near lat. $26^{\circ}50'N$, long. $113^{\circ}10'W$].

Status. — Considered a synonym of *D. p. casteneiceps* by Miller, Friedmann, Griscom, and Moore (1957. Pacific Coast Avifauna 33: 246).

***Richmondia cardinalis seftoni* Huey**

San Diego Soc. Nat. Hist., Trans. 9(21): 216-217; 31 July 1941.

Type. — Adult male; skin in good condition. Collected by L. M. Huey, 25 April 1940. SDSNH no. 18147.

Type locality. — Santa Gertrudis Mission, Baja California, Mexico [lat. $28^{\circ}03'N$, long. $113^{\circ}06'W$].

Paratypes. — 18135, 18146, Santa Gertrudis Mission, Baja California, Mexico.

Status. — Recognized by the A. O. U. Check-list Committee (1948. Auk 65: 442).

***Pipilo fuscus eremophilus* van Rossem**

San Diego Soc. Nat. Hist., Trans. 8(11): 70-71; 24 August 1935.

Type. — Adult male; skin in good condition. Collected by A. J. van Rossem, 22 May 1935. SDSNH no. 17083.

Type locality. — Lang Spring, Mountain Springs Canyon, Argus Mts., Inyo County, California, elev. 5500 ft.

Status. — Recognized by the A. O. U. Check-list Committee (1944. Auk 61: 461) and by Davis (1951. Univ. Calif. Publ. Zool. 52(1): 103).

***Passerculus rostratus anulus* Huey**

San Diego Soc. Nat. Hist., Trans. 6(10): 204-206; 30 August 1930.

= *Passerculus sandwichensis anulus* Huey

Holotype. — Adult male; skin in good condition. Collected by L. M. Huey, 21 May 1926. SDSNH no. 10523.

Type locality. — South side of entrance to Scammon[']s Lagoon, Baja California, Mexico; lat. $27^{\circ}54'N$, long. $114^{\circ}18'W$.

Status. — Recognized as a valid race by the A. O. U. Check-list Committee (1944. Auk 61: 462) and by Peters and Griscom (1938. Bull. Mus. Comp. Zool. 80: 475).

***Amphispiza belli xerophilus* Huey**

San Diego Soc. Nat. Hist., Trans. 6(16): 229-230; 24 December 1930.

= *Amphispiza belli cinerea* Townsend

Holotype. — Adult female; skin in good condition. Collected by L. M. Huey, 31 October 1930. SDSNH no. 13563.

Type locality. — Santa Catarina Landing, Baja California, Mexico; lat. $29^{\circ}30'N$, long. $115^{\circ}16'W$.

Status. — This form was listed by Hellmayr (1938. Zool. Ser., Field Mus. Nat. Hist., Vol. 13, pt. 11, p. 543) but was apparently ignored by the A. O. U. Check-list Com-

mittee. Miller, Friedmann, Griscom, and Moore (1957. Pacific Coast Avifauna 33: 381) considered *xerophilus* "a synonym, somewhat intermediate toward *A. b. cinerea*."

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