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YALE UNIVERSITY
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AVIAN ANATOMICAL SPECIMENS IN THE PEABODY
MUSEUM OF NATURAL HISTORY, YALE UNIVERSITY

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INTRODUCTION

Large collections of bird skins are found in many museums and in many countries, but far fewer institutions maintain collections preserved in alcohol or as skeletons, and fewer still attempt to expand these collections through field collecting. The anatomist wishing to study a particular group of birds often finds that specimens are unavailable, or, if available, unusable due to previous use or long storage. The avian anatomical collections of the Peabody Museum of Natural History have recently undergone considerable expansion in a number of geographic and taxonomic areas, and this expansion is likely to continue. The purpose of this paper is to list the birds represented in the alcohol and skeletal

collections, in order to encourage anatomists and others to make use of the specimens. The list represents holdings through the end of 1967.

ALCOHOL COLLECTION

HISTORICAL OUTLINE

The oldest specimens in the alcohol collection are nestling and adult Leach's Petrels (*Oceanodroma leucorhoa*) collected by A. E. Verrill in 1857. A century later the collection consisted of about 600 specimens. In 1959 the interest of Dr. Philip S. Humphrey, then Assistant Curator of Birds, and of the senior author resulted in a rapid increase in the size and scope of the collection. Dr. S. Dillon Ripley, as Curator of Birds, actively supported the expansion, encouraging field collectors to preserve whole birds and in a few cases making special purchases of specimens. The growth continued under the supervision of Dr. N. Philip Ashmole and has recently been further stimulated by Dr. Charles G. Sibley, the present Director of the Division of Vertebrate Zoology. As of this writing, the collection comprises over 7,000 specimens, of which about 5,000 are whole birds, the remainder being partial specimens.

GEOGRAPHIC AND TAXONOMIC REPRESENTATION

Most collections of preserved birds are richest in specimens from the geographical areas visited by the museums' skin collectors and in taxonomic groups of particular interest to the museums' research personnel. The Peabody Museum collections are no exceptions, but special efforts have been made to acquire specimens from areas not previously represented and to obtain a broad representation of the major bird groups. The collections also include specimens of nearly all local birds, migrant and resident. Particular attention has been paid to genera or species which, for one reason or another, are of more than usual anatomical interest. Collectors have been urged to duplicate specimens where possible, with the result that there is an average of 3.2 specimens per species and 6.0 per genus. The geographical regions best represented are North America (about 800 specimens); Mexico and Central America (500); South America (900); southern Europe (125); eastern Africa (1,300); and Madagascar (100).

PRESERVATION, STORAGE AND RECORDS

Birds are preserved in the field by injection of 10 per cent formalin (4 per cent formaldehyde) into the body cavity and major muscle masses. On reaching the museum the specimens are washed, catalogued and transferred to 70 per cent ethyl alcohol, in which they are stored indefinitely. Most specimens are stored in glass jars of up to one gallon capacity, but fifty-gallon fiber-glass-lined vats and polyethylene tanks are used for the storage of large birds.

The locale and date of collecting are known for nearly all specimens, but weight, age and sex for very few (although sex can be determined by dissection when necessary). Data are maintained in a single master catalogue covering the alcohol collection only, and there is also a systematic card index covering both the alcohol and skeletal collections. The purpose of this index is to provide rapid information on the availability of a desired species and on the status of the specimens.

The philosophy behind an alcohol collection is quite different from that governing the management of skin and skeleton collections. Unlike the latter, which are not expended by proper use, the alcohol collection serves through a type of study which gradually destroys the specimens. With care, a single alcohol specimen may sometimes be used in many anatomical studies, some of which cause it little damage. In some other studies, however, a specimen may be nearly completely "consumed". The growth and use of the Peabody Museum avian anatomical collection has been directed toward making available to any competent anatomist the material which will be most useful to him. Loan requests should be made to the Division of Vertebrate Zoology, stating the genus and species desired and the type of specimen needed. It is undesirable to dissect a whole bird if a skinned "carcass" will do as well. If several species of a genus are useful, they should be listed in order of preference. When specimens of a particular sex, date or locale are of particular interest, order of preference should be stated here, too. Specimens are not normally loaned for dissection unless the borrower has described in some detail the extent and method of dissection and the length of time the specimen will be needed.

Decisions regarding loans are based primarily on the extent of

the proposed dissection and the rarity or replaceability of the specimen. If the dissection is extreme, the specimen is usually sent out on open exchange, or as an outright gift. To date, no request for the loan of specimens has been denied and the amount of material loaned is steadily increasing.

SKELETON COLLECTION

HISTORICAL OUTLINE

The skeleton collection was instituted by O. C. Marsh in the 1870's, primarily as an aid in the identification and analysis of fossil material. Curatorial responsibility rested for many years with the Division of Vertebrate Paleontology, and until recently the growth of the collection has been due largely to the efforts of workers in that department. In recent years, however, many skeletons have been collected by ornithologists at the museum, with the result that a broader representation has been attained, particularly with regard to small birds. Responsibility for the avian skeleton collection is now vested in the Division of Vertebrate Zoology.

GEOGRAPHIC AND SYSTEMATIC REPRESENTATION

Having been initiated for the purpose of paleontological reference, the osteological collection is understandably strong in large birds, particularly the Ratites, Anseriformes, Falconiformes and larger members of all orders except the Coraciiformes, Piciformes and Passeriformes. The geographical distribution is broad, due to the purchase of many specimens from Europe (mostly from Gerhard in the 1880's) and the acquisition of much of R. W. Shufeldt's Australian collection. Over two hundred skeletons were obtained in Argentina in 1960-61 by Philip S. Humphrey.

Most of the specimens are accompanied by approximate geographical data, but date of collection, sex, weight and other data are available only for specimens acquired in the last few years.

PREPARATION, STORAGE AND RECORDS

Birds acquired in the field are identified, fleshed-off, sexed and dried, then returned to the museum for complete cleaning by

dermestid beetles (*Dermestes vulpinus*). After mild degreasing, when necessary, they are numbered and boxed. No disarticulation is performed, beyond that done by the beetles, nor are the skeletons wired. Fossil, subfossil and extinct birds are stored separately from the reference collection.

The catalogue of avian osteological material is separate from those of the skin and alcohol collections, but skeletons are carried in the systematic card index, along with alcohol specimens.

LOAN PROCEDURES

The curating of a skeletal collection is more like that of a skin collection than that of an alcohol collection, in that skeletons are not expended in normal use and it may be assumed that a skeleton will be returned in the same condition as it was in when borrowed. This collection, like most other avian collections, is available for general use, but the long time needed to prepare skeletons for shipment and the bulky nature of storage boxes make it desirable for workers needing large numbers of specimens to make every attempt to visit the museum or to arrange automobile transportation of the specimens.

Requests for loans should be directed to the Division of Vertebrate Zoology. They should state which parts of the skeletons are to be studied, since it is regrettably common for small bones to be missing or broken and these may be just the ones needed for the intended research.

SYSTEMATIC LIST

The following list enumerates the avian anatomical specimens, both preserved in alcohol and as skeletons, in the collections of the Peabody Museum of Natural History. The classification of orders and families is that of Wetmore (1960), with the following modifications among the Passeriformes: the Hyposittidae are included in the Vangidae (cf. Dorst, 1960); the Chamaeidae are included in the Timaliidae; the Regulidae are included in the Sylviidae; and the Coerebidae are divided between the Thraupidae and the Parulidae, following Beecher (1951). With a few exceptions, the nomenclature employed below the family level is that of Peters' "Checklist of birds of the world" (Peters, 1931-1951;

Mayr and Greenway, eds., 1960, 1962; Mayr and Paynter, eds., 1964; Paynter, ed., 1967). Names used by Peters which are now obsolete have been updated, in most cases following the A.O.U. "Check-list of North American birds" (1957). The New World passerine families not yet covered by the Peters Checklist are treated according to the "Catalogue of birds of the Americas" (Cory and Hellmayr, 1924; Hellmayr, 1927-1938). In the few cases of families which are not covered by either of the above lists and for which no recent family revisions exist, the collections are arranged by a synthesis of regional works. The authority followed for each family is indicated under the family name in the list. Because the purpose of the list is merely to indicate which species are present in the collections, the genera and species are listed alphabetically within the families.

The following abbreviations designate the different types of specimens.

A — Complete alcohol specimen.

a — Skinned "carcass", ie., the portion remaining after the preparation of a study skin. The presence of carcasses is indicated only if there are no complete specimens of the species in the collection.

S — Complete skeleton.

k — Skull only.

‡ — Embryos

* — Nestlings

† — Partial

The numbers preceding the letters in the list indicate the number of alcohol and skeletal specimens of the species in the collections; where no number is given only one specimen is on hand.

LITERATURE CITED

- American Ornithologists' Union. 1957. Check-list of North American birds. A. O. U., Baltimore. 691 p.
- Beecher, William J. 1951. Convergence in the Coerebidae. *Wilson Bull.* 63:274-287.
- Chapin, James P. 1936. A new Peacock-like bird from the Belgian Congo. *Rev. Zool. Afr.* 29:1-6.
- Cory, C. B. and C. E. Hellmayr. 1927. Catalogue of birds of the Americas and adjacent islands in Field Museum of Natural History. *Field Mus. Nat. Hist. Pub.* 242. Zool. Ser. 13, Pt. 5.

- Delacour, Jean. 1943. A revision of the subfamily Estrildinae of the family Ploceidae. *Zoologica* 28:69-86.
- Delacour, Jean, and Ernst Mayr. 1946. *Birds of the Philippines*. Macmillan, New York. 309 p.
- Dorst, Jean. 1960. A propos des affinités systematiques de deux oiseaux malagaches: *Tylas eduardi* et *Hypositta corallirostris*. *Oiseau* 30: 259-269.
- Eisenmann, Eugene. 1955. The species of Middle American Birds. *Trans. Linn. Soc. New York*, Vol. VII, 128 p.
- Friedmann, Herbert. 1960. The parasitic weaverbirds. *Smithsonian Inst. U.S. Nat. Mus., Bull.* 223. 196 p.
- Hellmayr, Charles E. 1929, 1934, 1935, 1936, 1937, 1938. Catalogue of birds of the Americas and the adjacent islands in Field Museum of Natural History. *Field Mus. Nat. Hist., Publ.* 266, 330, 347, 365, 381, 430 (Zool. Ser. 13, Parts 5, 6, 7, 8, 9, 10, 11).
- Hellmayr, Charles E. and Boardman Conover. 1942. Catalogue of birds of the Americas and the adjacent islands in Field Museum of Natural History. *Field Mus. Nat. Hist., Publ.* 514 (Zool. Ser. 13, Part 1, no. 1.)
- Mackworth-Praed, C. W., and C. H. B. Grant. 1955. *Birds of Eastern and North Eastern Africa. African Handbook of Birds., Ser. 1. Vol. 2.* Longmans, London. 1113 p.
- Mayr, E. 1945. *Birds of the southwest Pacific*. New York. xix + 316 p.
- Mayr, Ernst, and James C. Greenway, Jr., eds. 1960, 1962. Check-list of birds of the world. Vols. 9, 15. *Mus. Comp. Zool., Cambridge, Mass.*
- Mayr, Ernst, and Raymond A. Paynter, Jr., eds. 1964. Check-list of birds of the world. Vol. 10. *Mus. Comp. Zool., Cambridge, Mass.*
- Paynter, Raymond A., Jr., ed. 1967. Check-list of birds of the world. Vol. 12. *Mus. Comp. Zool., Cambridge, Mass.*
- Peters, James Lee. 1931, 1934, 1937, 1940, 1945, 1948, 1951. Check-list of birds of the world. Vols. 1, 2, 3, 4, 5, 6, 7. *Mus. Comp. Zool., Cambridge, Mass.*
- Rand, Austin, L. 1936. The distribution and habits of Madagascar birds. *Amer. Mus. Nat. Hist., Bull.* 72 (Art. 5). 499 p.
- Ripley, Sidney Dillon, II. 1961. A synopsis of the birds of India and Pakistan. *Bombay Natural History Society, Bombay.* 703 p.
- Ripley, S. Dillon. 1964. A systematic and ecological study of birds of New Guinea. *Peabody Mus. Nat. Hist., Bull.* 19. 87 p.
- Scott, Peter. 1957. *A coloured key to the wildfowl of the world*. Scribner, New York. 91 p.
- Serventy, D. L., H. T. Condon, and Ernst Mayr. 1965. *Dromaius Vieillot, 1816 (Aves): proposed addition to the official list. Z.N.(S.) 1668.* *Bull. Zool. Nomencl.* 22: 63-65.
- Serventy, D. L., and H. M. Whittell. 1962. *A handbook of the birds of Western Australia*. 3rd ed., Perth, W. A. 427 p.
- Vaurie, Charles. 1959. *The birds of the Palearctic fauna. Passeriformes.* Witherby, London. 762 p.
- Wetmore, Alexander. 1960. A classification for the birds of the world. *Smithsonian Misc. Coll.,* 139 (11). 37 p.

ORDER SPHENISCIFORMES

FAMILY SPHENISCIDAE

(Peters 1931)

Aptenodytes patagonica	2S	Spheniscus demersus	S
Eudyptes pachyrhynchus	S	Spheniscus humboldti	S
Pygoscelis adeliae	A	Spheniscus magellanicus	S
		Spheniscus mendiculus	A

ORDER STRUTHIONIFORMES

FAMILY STRUTHIONIDAE

(Peters 1931)

Struthio camelus	9S
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ORDER RHEIFORMES

FAMILY RHEIDAE

(Peters 1931)

Rhea americana	A 2S
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ORDER CASUARIIFORMES

FAMILY CASUARIIDAE

(Peters 1931)

Casuarius unappendiculatus	A ‡	Casuarius sp.	2S
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FAMILY DROMICEIDAE

(Serventy, Condon & Mayr 1965)

Dromaius novaehollandiae	4S
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ORDER APTERYGIFORMES

FAMILY APTERYGIDAE

(Peters 1931)

Apteryx australis	2S	Apteryx owenii	S
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ORDER TINAMIFORMES

FAMILY TINAMIDAE

(Peters 1931)

<i>Crypturellus noctivagus</i>	2S	<i>Rhynchotus rufescens</i>	S
<i>Nothoprocta perdicaria</i>	S	<i>Tinamus solitarius</i>	S
<i>Nothura maculosa</i>	4A S		

ORDER GAVIIFORMES

FAMILY GAVIIDAE

(Peters 1931)

<i>Gavia adamsii</i>	S	<i>Gavia immer</i>	a 5S
<i>Gavia arctica</i>	k	<i>Gavia stellata</i>	A 3S

ORDER PODICIPEDIFORMES

FAMILY PODICIPEDIDAE

(A.O.U. 1957; Peters 1931)

<i>Aechmophorus occidentalis</i>	S	<i>Podilymbus gigas</i>	2A
<i>Podiceps auritus</i>	4S	<i>Podilymbus podiceps</i>	4S
<i>Podiceps grisegena</i>	A	<i>Poliiocephalus ruficollis</i>	2S
<i>Podiceps nigricollis</i>	3S		

ORDER PROCELLARIIFORMES

FAMILY DIOMEDEIDAE

(Peters 1931)

<i>Diomedea albatrus</i>	2S	<i>Diomedea nigripes</i>	k
<i>Diomedea exulans</i>	2S	<i>Phoebetria palpebrata</i>	S
<i>Diomedea melanophris</i>	S		

FAMILY PROCELLARIIDAE

(Peters 1931)

<i>Bulweria bulwerii</i>	a	<i>Puffinus diomedea</i>	4A
<i>Daption capensis</i>	k	<i>Puffinus gravis</i>	a S
<i>Fulmarus glacialis</i>	A* 2S	<i>Puffinus griseus</i>	2S
<i>Macronectes giganteus</i>	S	<i>Puffinus lherminieri</i>	a
<i>Pachyptila forsteri</i>	S	<i>Puffinus nativitatis</i>	A*
<i>Pterodroma cahow</i>	S†	<i>Puffinus pacificus</i>	3a
<i>Pterodroma phaeopygia</i>	a	<i>Puffinus puffinus</i>	A

FAMILY HYDROBATIDAE

(Peters 1931)

Hydrobates pelagicus		S	Oceanodroma homochroa	a	
Nesofregatta albigularis	A		Oceanodroma leucorhoa	A	S

FAMILY PELECANOIDIDAE

(Peters 1931)

Pelecanoides garnotii	2A		Pelecanoides magellani		S
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ORDER PELECANIFORMES

FAMILY PHAETHONTIDAE

(Peters 1931)

Phaethon aethereus		S			
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FAMILY PELECANIDAE

(Peters 1931)

Pelecanus erythrorhynchos		5S	Pelecanus occidentalis		5S
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FAMILY SULIDAE

(Peters 1931)

Sula [= Morus] bassanus		S	Sula leucogaster	a	S
Sula dactylatra		S	Sula sula	2A	

FAMILY PHALACROCORACIDAE

(Peters 1931)

Haliastur africanus	A		Phalacrocorax gaimardi		S
Phalacrocorax auritus		4S	Phalacrocorax		
Phalacrocorax carbo		S	magellanicus	2A	

FAMILY ANHINGIDAE

(Peters 1931)

Anhinga anhinga		3S			
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FAMILY FREGATIDAE

(Peters 1931)

Fregata aquila		2S			
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ORDER CICONIIFORMES

FAMILY ARDEIDAE

(Peters 1931)

<i>Ardea cinerea</i>	A		<i>Demigretta gularis</i>	A	
<i>Ardea herodias</i>		4S	<i>Demigretta sacra</i>		S
<i>Ardea occidentalis</i>		2S	<i>Egretta garzetta</i>		2S
<i>Ardeola grayii</i>		S	<i>Florida caerulea</i>	a	
<i>Ardeola ralloides</i>	2A		<i>Ixobrychus exilis</i>	2A	S
<i>Botaurus lentiginosus</i>	A	3S	<i>Leucophoyx thula</i>	A	3S
<i>Botaurus stellaris</i>	a	k	<i>Nyctanassa violacea</i>	a	
<i>Bubulcus ibis</i>	A		<i>Nycticorax caledonicus</i>	A	
<i>Butorides striatus</i>	A		<i>Nycticorax nycticorax</i>	3A	2S
<i>Butorides sundevalli</i>	a		<i>Syrigma sibilatrix</i>	A	
<i>Butorides virescens</i>	3A	5S	<i>Tigrisoma lineatum</i>		S
<i>Casmerodius albus</i>		k			

FAMILY COCHLEARIIDAE

(Peters 1931)

<i>Cochlearius cochlearius</i>	S	
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FAMILY SCOPIDAE

(Peters 1931)

<i>Scopus umbretta</i>	2A	
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FAMILY CICONIIDAE

(Peters 1931)

<i>Anastomus lamelligerus</i>	A	k	<i>Leptoptilos dubius</i>		S
<i>Ciconia ciconia</i>		S	<i>Mycteria americana</i>		S
<i>Ciconia nigra</i>		S	<i>Sphenorhynchus abdimii</i>		S
<i>Leptoptilos crumeniferus</i>		S			

FAMILY THRESKIORNITHIDAE

(Peters 1931)

<i>Ajaia ajaja</i>		2S	<i>Platalea leucorodia</i>	A	S
<i>Guara alba</i>	3a	S	<i>Plegadis falcinellus</i>	a	2S
<i>Guara rubra</i>		S	<i>Threskiornis aethiopica</i>		S
<i>Ibis leucocephalus</i>		S	<i>Threskiornis molucca</i>		S
<i>Lophotibis cristata</i>		S			

FAMILY PHOENICOPTERIDAE

(Peters 1931)

<i>Phoenicoparrus jamesi</i>	A		<i>Phoenicopterus ruber</i>	A	2S
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ORDER ANSERIFORMES

FAMILY ANHIMIDAE

(Peters 1931)

Chauna chavaria S

FAMILY ANATIDAE

(Scott 1957)

Aix galericulata	4A	2S	Anser rossii	4A	
Aix sponsa	2A	3S	Anseranas semipalmata	2A	
Alopochen aegyptiacus	3A		Aythya affinis	5A	
Amazonetta brasiliensis	3A		Aythya americana	3A	
Anas acuta	3A		Aythya australis	4A	
Anas americana	2A	S	Aythya baeri	A	
Anas bahamensis	5A		Aythya collaris	2A	
Anas capensis	3A		Aythya ferina		S
Anas castanea	2A		Aythya fuligula	2A	S
Anas clypeata	3A	k	Aythya marila	3A	2S
Anas clypeata × Aythya			Aythya nyroca	4A	S
americana	a		Aythya valisineria	3A	
Anas crecca	3A	S	Biziura lobata	2A	
Anas cyanoptera	2A		Branta bernicla	A	
Anas discors	10A		Branta canadensis	3A	4S
Anas discors × Aythya			Branta leucopsis	2A	
americana	a		Branta ruficollis	2A	
Anas falcata	A		Branta sandvicensis	A	
Anas flavirostris	5A		Bucephala albeola	9A	
Anas formosa	a		Bucephala clangula	5A	
Anas georgica	6A		Bucephala islandica	3A	
Anas gibberifrons	6A		Cairina moschata	2A	
Anas laysanensis	3A		Cereopsis		
Anas leucophrys	3a		novaehollandiae	2A	
Anas luzonica	2A		Chenonetta jubata	6A	
Anas penelope	3A	k	Chloephaga hybrida	4A	2S
Anas platalea	4A		Chloephaga melanoptera	3A	
Anas platyrhynchos	26A	S	Chloephaga picta	5A	
Anas poecilorhyncha		S	Chloephaga poliocephala	5A	
Anas punctata	3A		Chloephaga rubidiceps	A	
Anas querquedula	2A		Clangula hyemalis	7A	
Anas rhynchotis	2A		Coscoroba coscoroba	A	
Anas rubripes	2A	S	Cyanochen cyanopterus	2A	
Anas sibilatrix	4A		Cygnus atratus	3A	2S
Anas sparsa	3A		Cygnus columbianus		6S
Anas specularis	6A		Cygnus melanocoryphus	2A	3S
Anas strepera	3A		Cygnus olor	2a	3S
Anas superciliosa	7A		Dendrocygna arborea	A	
Anas undulata	2A		Dendrocygna arcuata	2A	
Anas versicolor	8A	S	Dendrocygna autumnalis	3A	
Anas waigiuiensis	A		Dendrocygna bicolor	6A	
Anser albifrons	A		Dendrocygna eytoni	A	
Anser brachyrhynchos	A		Dendrocygna guttata	A	
Anser coerulescens	A		Dendrocygna javanica	2A	S
Anser canagicus	6A	S	Dendrocygna viduata	3A	S
Anser cygnoides		S	Heteronetta atricapilla	3A	
Anser indicus	A		Histrionicus histrionicus	3A	S†

Lophonetta specularoides	3A	S	Oxyura dominica	2a	
Malacorhynchus			Oxyura jamaicensis	9A	
membranaceus	4A		Oyrura maccoa	A	
Melanitta fusca	15A	S	Plectropterus gambensis	2A	S
Melanitta nigra	5A	S	Polysticta stelleri	3A	
Melanitta perspicillata	7A	k	Sarkidiornis melanotos	A	
Merganetta armata	3A		Somateria fischeri	A	
Mergus albellus	5A		Somateria mollissima	6A	2S
Mergus cucullatus	6A	S	Stictonetta naevosa	A	
Mergus merganser	3A	S	Tachyeres patachonicus	3A	3S
Mergus octosetaceus	A		Tachyeres pteneres	4A	2S
Mergus serrator	3A	S	Tadorna cana	A	
Neochen jubatus	2A		Tadorna ferruginea	4A	
Netta erythrophthalma	2A		Tadorna radjah	A	
Netta peposaca	3A	S	Tadorna tadorna	5A	S
Netta rufina	4A		Tadorna tadornoides	3A	
Nettapus auritus	4A	S	Tadorna variegata	A	
Nettapus pulchellus	2A		Thalassornis leuconotus	A	
Oxyura australis	A				

ORDER FALCONIFORMES

FAMILY CATHARTIDAE

(Peters 1931)

Cathartes aura		S	Sarcoramphus papa		S
Coragyps atratus		S			

FAMILY SAGGITTARIIDAE

(Peters 1931)

Sagittarius serpentarius	A	2S			
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FAMILY ACCIPITRIDAE

(Peters 1931)

Accipiter cooperii		S	Gyps ruppellii		S
Accipiter francesii	2A		Haliaetus leucocephalus		5S
Accipiter gentilis	2A	3S	Haliaetus pelagicus		S
Accipiter minullus	A		Harpagus bidentatus	A	
Accipiter superciliosus	a		Henicopernis longicauda	a	
Accipiter tachiro	A		Heterospizias meridionalis	a	
Accipiter velox	A	S	Kaupifalco		
Aquila chrysaetos		2S	monogrammicus	5A	
Aquila nipalensis		k	Leucopternis albicollis	a	
Aquila rapax		S	Melierax metabates	3A	
Butastur rufipennis	3A		Melierax musicus		S
Buteo buteo		k	Milvago chimachima		S
Buteo jamaicensis		3S	Milvago chimango		S
Buteo lineatus		2S	Milvus migrans	5A	S
Buteo magnirostris	A		Necrosyrtes monachus		S
Buteo platypterus	a		Neophron percnopterus	A	
Circus cyaneus	A		Rostrhamus sociabilis	2a	
Elanoides forficatus	a		Sarcogyps calvus		S
Elanus caeruleus	A		Torgos tracheliotus		S
Gymnogenys radiatus	2a				

FAMILY PANDIONIDAE

(Peters 1931)

Pandion haliaetus 2A 2S

FAMILY FALCONIDAE

(Peters 1931)

Falco araea	2a		Falco sparverius	4A	4S
Falco cenchroides	A		Falco tinnunculus	13A	
Falco columbarius		S†	Falco vespertinus	3A	
Falco eleonora	a		Micrastur semitorquatus	a	
Falco naumanni	a		Microhierax fringillarius		S
Falco newtoni	A		Poliohierax semitorquatus	A	
Falco peregrinus	A				

ORDER GALLIFORMES

FAMILY MEGAPODIIDAE

(Peters 1934)

Aepyodius arfakianus	a		Megapodius freycinet	A	S‡
Alectura lathamii	A	S	Megapodius laperouse	A	
Eulipoa wallacei	a		Megapodius nicobariensis		S
Leipoa ocellata	22A‡		Talegalla jobiensis	12A‡	

FAMILY CRACIDAE

(Peters 1934)

Mitu mitu	A		Pauxi pauxi		4S
Ortalis vetula		S	Penelope purpurascens		S

FAMILY TETRAONIDAE

(Peters 1934)

Bonasa umbellus	2A	2S	Lagopus mutus		2k
Centrocercus urphasianus		2S	Tetrao urogallus		k
Lagopus lagopus	A		Tympanuchus cupido	A	3S
Lagopus leucurus	5A				

FAMILY PHASIANIDAE

(Chapin 1936; Peters 1934)

Afropavo congensis	A	3S	Coturnix delegorguei	A	
Alectoris chukar	A		Crossoptilon auritum		S
Anurophasis monorhonyx	a		Crossoptilon mantchuricum		S
Arborophila torqueola		S	Francolinus jacksoni	2A	
Argusianus argus		S	Francolinus pictus		S
Bambusicola thoracica		S	Francolinus sephaena	2A	
Chrysolophus pictus		S	Gallus gallus	3A*	5S
Colinus cristatus	2a		Hierophasis swinhoii		S
Colinus virginianus	6A	S	Lophophorus impejanus		S
Coturnix coturnix	A	2S	Lophortyx californica	A	S

Margaroperdix madagascariensis	A		Polyplectron bicalcaratum		S
Odontophorus gujanensis		S	Pternistes afer	5A	
Oreortyx picta		S†	Pternistes leucoscepus	2A	
Pavo cristatus		3S	Synoicus ypsilophorus		S
Phasianus colchicus		4S	Tragopan temminckii		k

FAMILY NUMIDIDAE

(Peters 1934)

Guttera pucherani	A	S	Numida meleagris		2k
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FAMILY MELEAGRIDIDAE

(Peters 1934)

Meleagris gallopavo		10S			
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FAMILY OPISTHOCOMIDAE

(Peters 1934)

Opisthocomus hoazin		2S			
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ORDER GRUIFORMES

FAMILY TURNICIDAE

(Peters 1934)

Turnix nigricollis	A		Turnix varia		S
Turnix sylvatica	2A				

FAMILY GRUIDAE

(Peters 1934)

Grus americana		S	Grus japonensis	A	
Grus canadensis		6S	Grus rubicunda		S
Grus grus	A				

FAMILY ARAMIDAE

(Hellmayr & Conover 1942)

Aramus guarauna	A	S			
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FAMILY PSOPHIIDAE

(Peters 1934)

Psophia crepitans		2S			
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FAMILY RALLIDAE

(Peters 1934)

Amaurornis phoenicurus		S	Porphyrio		
Aramides cajanea	A		madagascariensis		S
Crex crex	2A		Porphyryla martinica	2A	S
Fulica americana	A	6S	Porzana carolina	8A	S
Fulica atra	A	k	Porzana porzana		k
Fulica cornuta	2A*		Porzana tabuensis	3A	
Gallinula chloropus	3A	S	Rallus elegans	2a	S
Gallirallus australis		S	Rallus limicola	4A	
Laterallus leucopyrrhus	2a		Rallus longirostris	3A	2S
Limnocorax flavirostris	4A	S	Rallus philippensis	3A	3S
Megacrex inepta	a		Sarothrura rufa	a	

FAMILY EURYPYGIDAE

(Peters 1934)

Eurypyga helias	A	S
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FAMILY OTIDAE

(Peters 1934)

Chlamydotis undulata		S	Otis tarda		S
Eupodotis senegalensis	2A		Tetrax tetrax		S
Lissotis melanogaster	2A				

ORDER CHARADRIIFORMES

FAMILY JACANIDAE

(Peters 1934)

Actophilornis africana	a		Irediparra gallinacea	2A	
Actophilornis albinucha		S	Jacana spinosa	2A	
Hydrophasianus chirurgus	2A				

FAMILY HAEMATOPODIDAE

(Peters 1934)

Haematopus ater	3S		Haematopus ostralegus		3S
Haematopus leucopodus		S			

FAMILY CHARADRIIDAE

(Peters 1934)

Belonopterus chilensis	4A	S	Hoplopterus spinosus	5A	
Charadrius alexandrinus	A		Oreopholus ruficollis	2A	S
Charadrius hiaticula	7A	S	Squatarola squatarola	11A	7S
Charadrius melodus	A		Stephanibyx coronatus	3A	
Charadrius pecuarius	a		Stephanibyx melanopterus	A	
Charadrius vociferus	4A	S	Vanellus vanellus	A*	S
Charadrius wilsonia	A		Zonibyx modestus		S

FAMILY SCOLOPACIDAE

(Peters 1934)

<i>Actitis hypoleucos</i>	3A		<i>Limnodromus griseus</i>	4A	
<i>Actitis macularia</i>	8A	2S	<i>Limosa fedoa</i>	A	4S
<i>Arenaria interpres</i>	7A	3S	<i>Micropalama himantopus</i>	a	
<i>Calidris canutus</i>	5A	S	<i>Numenius americanus</i>		2S
<i>Capella delicata</i>	2A	S	<i>Numenius arquata</i>		k
<i>Capella gallinago</i>	3A	S	<i>Numenius borealis</i>		S
<i>Catoptrophorus</i>			<i>Numenius phaeopus</i>	2A	4S
<i>semipalmatus</i>	2A	2S	<i>Philohela minor</i>	5A	S
<i>Crocethia alba</i>	11A	4S	<i>Philomachus pugnax</i>	A	
<i>Ereunetes mauri</i>	4A		<i>Scolopax rusticola</i>	A	k
<i>Ereunetes pusillus</i>	4A		<i>Tringa flavipes</i>	4A	S
<i>Erolia alpina</i>	17A		<i>Tringa glareola</i>	2A	
<i>Erolia fuscicollis</i>	4A	S	<i>Tringa melanoleuca</i>	4A	2S
<i>Erolia maritima</i>	3A		<i>Tringa nebularia</i>	A	
<i>Erolia melanotos</i>	4A		<i>Tringa solitaria</i>	2A	
<i>Erolia minuta</i>	3A		<i>Tringa stagnatilis</i>	A	
<i>Erolia minutilla</i>	5A		<i>Tringa totanus</i>	A	
<i>Erolia testacea</i>	A				

FAMILY RECURVIROSTRIDAE

(Peters 1934)

<i>Himantopus himantopus</i>	A	S	<i>Recurvirostra avosetta</i>		k
<i>Recurvirostra americana</i>	2A	3S			

FAMILY PHALAROPIDAE

(Peters 1934)

<i>Lobipes lobatus</i>	3A	S	<i>Steganopus tricolor</i>	4A	
<i>Phalaropus fulicarius</i>	A	S			

FAMILY BURHINIDAE

(Peters 1934)

<i>Burhinus bistriatus</i>	A		<i>Burhinus oedicnemus</i>	A	
<i>Burhinus magirostris</i>		S			

FAMILY GLAREOLIDAE

(Peters 1934)

<i>Glareola pratincola</i>	3A		<i>Rhinoptilus africanus</i>	A	
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FAMILY THINOCORIDAE

(Peters 1934)

<i>Attagis malouinus</i>	a		<i>Thinocorus rumicivorus</i>	6A	2S
<i>Thinocorus orbignyianus</i>		S			

FAMILY CHIONIDIDAE

(Peters 1934)

<i>Chionis alba</i>	2A	S			
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FAMILY STERCORARIIDAE

(Peters 1934)

Catharacta skua	S		Stercorarius pomarinus	a	2S
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FAMILY LARIDAE

(Peters 1934)

Anous stolidus	a	3S	Larus pipixcan	4A	
Chlidonias leucoptera	2A		Phaetusa simplex		S
Chlidonias niger	7A		Procelsterna cerulea	2A	
Gabianus scoresbii		3S	Rissa brevirostris		S
Gygis alba	2a	2S	Rissa tridactyla		2S
Larosterna inca	10A	S	Sterna albifrons	5A	
Larus argentatus	2A	5S	Sterna dougallii	5A	S
Larus atricilla	A		Sterna forsteri	3A	2S
Larus audouinii	a		Sterna fuscata	2A	
Larus californicus		2S	Sterna hirundinacea	A	
Larus delawarensis	2A		Sterna hirundo	13A	3S
Larus fuscus		3S	Sterna paradisaea	a	
Larus glaucescens		S	Sterna sumatrana	2a	2S
Larus marinus		2S	Thalasseus elegans	6A	
Larus modestus	A		Thalasseus maximus	6A	S
Larus philadelphia	4A	3S	Thalasseus sandvicensis		S

FAMILY RHYNCHOPIDAE

(Peters 1934)

Rhynchops nigra	2S
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FAMILY ALCIDAE

(Peters 1934)

Aethia cristatella		S	Lunda cirrhata		2S
Alca torda	a	2S	Pinguinus impennis		S
Cephus grylle		2S	Plautus alle	A	3S
Cerorhinca monocerata		k	Ptychoramphus aleuticus		k
Cyclorhynchus psittacula		S	Uria aalge	a	3S
Fratercula arctica	3A	S	Uria lomvia	A	
Fratercula cornicula		S			

ORDER COLUMBIFORMES

FAMILY PTEROCLIDAE

(Peters 1937)

Pterocles alchata		S	Pterocles gutturalis	2A	
Pterocles decoratus	4A		Syrhaptus paradoxus		S
Pterocles exustus	2A				

FAMILY RAPHIDAE

(Peters 1937)

Raphus cucullatus	S (cast); also 2 incomplete skeletons.
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FAMILY COLUMBIDAE

(Peters 1937)

<i>Alectroenas</i>			<i>Lophophaps plumifera</i>	A	
<i>madagascariensis</i>	A		<i>Macropygia phasianella</i>	2A	
<i>Alectroenas pulcherrima</i>	4a		<i>Ocyphaps lophotes</i>	A	
<i>Aplopelia larvata</i>	2A		<i>Oena capensis</i>	3A	
<i>Chalcophaps indica</i>	2A		<i>Oreopelia</i> [= <i>Geotrygon</i>]		
<i>Claravis pretiosa</i>	A		<i>montana</i>	2A	
<i>Columba fasciata</i>	A		<i>Phapitreron amethystina</i>	A	
<i>Columba leucocephala</i>	2A		<i>Phapitreron leucotis</i>	2A	
<i>Columba livia</i>	3A	2S	<i>Phaps chalcoptera</i>	A	
<i>Columba oenas</i>		2S	<i>Ptilinopus porphyraceus</i>		4S
<i>Columbigallina minuta</i>	2A		<i>Scardafella inca</i>	5A	
<i>Columbigallina passerina</i>	7A		<i>Streptopelia capicola</i>	9A	
<i>Columbigallina talpacoti</i>	9A		<i>Streptopelia chinensis</i>		S
<i>Didunculus strigirostris</i>		S	<i>Streptopelia decaocto</i>	A	
<i>Ducula bicolor</i>		S	<i>Streptopelia decipiens</i>	A	
<i>Ducula oceanica</i>		3S	<i>Streptopelia picturata</i>	6A	
<i>Ectopistes migratorius</i>		2S	<i>Streptopelia semitorquata</i>	2A	
<i>Geopelia cuneata</i>	A		<i>Streptopelia senegalensis</i>	5A	S
<i>Geopelia striata</i>	2A		<i>Streptopelia turtur</i>	4A	
<i>Leptotila cassini</i>	A		<i>Turtur chalcospilos</i>	A	
<i>Leptotila rufaxilla</i>	3A		<i>Tympanistria tympanistria</i>	7A	2S
<i>Leptotila verreauxi</i>		S	<i>Zenaida asiatica</i>		S
<i>Leucosarcia melanoleuca</i>		S	<i>Zenaida aurita</i>	a	
<i>Leucotreron occipitalis</i>	A		<i>Zenaidura auriculata</i>		S
<i>Lopholaimus antarcticus</i>		S	<i>Zenaidura macroura</i>	5A	

ORDER PSITTACIFORMES

FAMILY PSITTACIDAE

(Peters 1937)

<i>Agapornis cana</i>	A		<i>Cyanoramphus</i>		
<i>Agapornis roseicollis</i>	A		<i>novaezelandiae</i>	A	
<i>Amazona festiva</i>		3S	<i>Forpus conspicillatus</i>	2A	
<i>Amazona guildingii</i>	2a		<i>Glossopsitta</i>		
<i>Amazona leucocephala</i>		3S	<i>porphyrocephala</i>	A	
<i>Amazona ochrocephala</i>	A	S	<i>Kakatoe galerita</i>		S
<i>Ara ararauna</i>		S	<i>Kakatoe leadbeateri</i>		S
<i>Ara macao</i>		3S	<i>Kakatoe roseicapilla</i>	A	
<i>Ara manilata</i>	2a		<i>Lathamus discolor</i>		S
<i>Ara severa</i>		S	<i>Melopsittacus undulatus</i>	A	
<i>Aratinga chloroptera</i>	a		<i>Myiopsitta monachus</i>	4A	7S
<i>Aratinga finschi</i>	A		<i>Neopsittacus</i>		
<i>Aratinga holochlora</i>	A		<i>musschenbroeckii</i>	2A	
<i>Brotogeris jugularis</i>	2A		<i>Nestor meridionalis</i>		S
<i>Brotogeris tirica</i>		S	<i>Nymphicus hollandicus</i>	A	
<i>Calyptorhynchus magnificus</i>		k	<i>Oreopsittacus arfaki</i>	A	
<i>Charmosyna josefinae</i>	A		<i>Pionopsitta haematotis</i>	A	
<i>Charmosyna placentis</i>	A		<i>Pionus maximiliani</i>	A	
<i>Coracopsis nigra</i>	A		<i>Pionus menstruus</i>		S
<i>Coracopsis vasa</i>	a		<i>Platycercus adscitus</i>	A	
<i>Cyanoliseus patagonus</i>		S	<i>Platycercus eximius</i>		S

Platycercus zonarius		S	Pyrrhura melanura	3A	
Poicephalus cryptoxanthus	A		Pyrrhura picta	A	
Poicephalus meyeri	A		Rhynchopsitta		
Prioniturus discurus	A		pachyrhyncha		4S
Prioniturus flavicans	2A		Strigops habroptilus		2S
Psephotus varius	A		Trichoglossus haematod	2A	
Pyrrhura frontalis	2A		Trichoglossus ornatus		S

ORDER CUCULIFORMES

FAMILY MUSOPHAGIDAE

(Peters 1940)

Crinifer leucogaster	a		Tauraco erythrolophus	A	
Crinifer personata	A		Tauraco fischeri	A	
Gallirex porphyreolophus	A		Tauraco hartlaubi	2A	
Musophaga violacea	A	S	Tauraco persa		S

FAMILY CUCULIDAE

(Peters 1940)

Cacomantis merulinus	4A		Coua reynaudii	a	
Cacomantis variolosus	A		Coua ruficeps	4a	
Centropus superciliosus	2A		Coua serriana	a	
Centropus toulou	A		Crotophaga ani	A	S
Ceuthmochares aereus	A		Crotophaga major	2A	S
Chrysococcyx klaas	A		Crotophaga sulcirostris	2A	
Clamator			Cuculus canorus	A	S
cafer [= levillantii]	A		Geococcyx californiana	A	4S
Clamator glandarius	A		Guira guira	4A	3S
Coccyzus americanus	3A	S	Piaya cayana	4A	S
Coccyzus erythrophthalmus	7A	S	Piaya melanogaster	A	
Coccyzus minor	3A		Rhamphococcyx		
Coua caerulea	5a		calyrorhynchus		S
Coua coquereli	4a		Saurothera vetula	A	
Coua cristata	3A		Scythrops novaehollandiae	a	
Coua cursor	a		Tapera naevia	a	
Coua gigas	3a				

ORDER STRIGIFORMES

FAMILY TYTONIDAE

(Peters 1940)

Tyto alba	A	S		
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FAMILY STRIGIDAE

(Peters 1940)

Aegolius acadicus	4A	S	Asio otus	2A	
Asio flammeus	2A		Athene brama		S

<i>Athene noctua</i>	3A		<i>Otus scops</i>	3A	
<i>Bubo africanus</i>	A	S	<i>Pulsatrix perspicillata</i>		S
<i>Bubo virginianus</i>	2A	3S	<i>Speotyto cunicularia</i>	4A	S
<i>Nyctea scandiaca</i>	A	2S	<i>Strix nebulosa</i>		2S
<i>Otus asio</i>	4A	8S	<i>Strix varia</i>	2A	S
<i>Otus flammeus</i>	A		<i>Surnia ulula</i>	A	
<i>Otus guatemalae</i>		k			

ORDER CAPRIMULGIFORMES

FAMILY STEATORNITHIDAE

(Peters 1940)

<i>Steatornis caripensis</i>	4A	S
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FAMILY NYCTIBIIDAE

(Peters 1940)

<i>Nyctibius grandis</i>	a
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FAMILY AEGOTHELIDAE

(Ripley 1964)

<i>Aegotheles archboldi</i>	A
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FAMILY CAPRIMULGIDAE

(Peters 1940)

<i>Caprimulgus carolinensis</i>	2A		<i>Caprimulgus vociferus</i>		S
<i>Caprimulgus europaeus</i>	A	k	<i>Chordeiles acutipennis</i>	2A	
<i>Caprimulgus inornatus</i>	A		<i>Chordeiles minor</i>	7A	2S
<i>Caprimulgus longirostris</i>	A		<i>Hydropsalis brasiliana</i>	2A	
<i>Caprimulgus</i>			<i>Nyctidromus albicollis</i>	2A	
<i>madagascariensis</i>	2A		<i>Phalaenoptilus nuttallii</i>	2A*	
<i>Caprimulgus nigrescens</i>	2a		<i>Podager nacunda</i>		S

ORDER APODIFORMES

FAMILY APODIDAE

(Peters 1940)

<i>Aeronautes saxatalis</i>	2A		<i>Chaetura pelagica</i>	8A	S
<i>Aerornis senex</i>	2A		<i>Chaetura ussheri</i>	3A	
<i>Apus apus</i>	3A	S	<i>Chaetura vauxi</i>	2A	
<i>Apus aequatorialis</i>	A		<i>Collocalia esculenta</i>	A	
<i>Apus caffer</i>	2A		<i>Collocalia inexpectata</i>	A	
<i>Apus melba</i>	A		<i>Collocalia whiteheadi</i>	4A	
<i>Apus niansae</i>	3A		<i>Cypsiurus parvus</i>	14A	
<i>Apus pallidus</i>	2A		<i>Streptoprocne zonaris</i>	14A	

FAMILY TROCHILIDAE

(Peters 1945)

Adelomyia melanogenys		S	Goldmania violiceps	2a	
Aglaeactis cupripennis	3A		Haplophaedia aureliae		2S
Aglaiocercus emmae	a		Heliangelus amythysticollis	a	
Aglaiocercus kingi		3S	Heliangelus exortis		2S
Amazilia amabilis	a		Heliodoxa jacula	A	
Amazilia candida	3A		Heliodoxa leadbeateri	2a	
Amazilia franciae		S	Heliomaster longirostris	2a	
Amazilia saucerrottei	2A		Heliathryx aurita	A	
Amazilia tzacatl	11A		Klais guimeti	a	
Archilochus alexandri		S	Lampornis castaneoventris	2A	
Archilochus colubris	8A	4S	Mellisuga minima	A	
Boissonneaua flavescens	2a	S	Metallura tyrianthina	7A	S
Campylopterus			Ocreatus underwoodii	A	S
hemileucurus	5A		Panterpe insignis	4A	
Chalcostigma heteropogon	a		Patagona gigas	3A	
Chalybura buffonii	A		Phaethornis augusti	2a	
Chlorostilbon canivettii	A		Phaethornis guy	2A	2S
Chlorostilbon gibsoni	A		Phaethornis longuemareus	4A	
Chlorostilbon maugaeus	a		Phaethornis superciliosus	10A	
Chrysolampis mosquitos	2a		Selasphorus flammula	3A	
Coeligena coeligena		2S	Selasphorus platycercus	A	
Coeligena helianthea	a		Selasphorus rufus	7A	3S
Coeligena torquata	3a	S	Smaragdites theresiae	a	
Colibri thalassinus	3A	S	Stephanoxis lalandi		S
Doricha eliza	A		Stellula calliope	2A	
Eroicnemis cupreiventris	2a		Thalurania furcata	a	
Eugenes fulgens	2A		Threnetes ruckeri	a	
Glaucis hirsuta	a				

ORDER COLIIFORMES

FAMILY COLIIDAE

(Peters 1945)

Colius castanotus	A	Colius macrourus	3A
Colius leucocephalus	4A	Colius striatus	8A

ORDER TROGONIFORMES

FAMILY TROGONIDAE

(Peters 1945)

Apaloderma narina	A	Trogon personatus	a	S
Pharomachrus mocino	a	Trogon rufus	3A	
Temnotrogon roseigaster	3A	Trogon surrucura	3A	
Trogon collaris	A	Trogon violaceus	4a	
Trogon massena	2A	Trogon viridis	A	
Trogon melanurus	a			

ORDER CORACIIFORMES

FAMILY ALCEDINIDAE

(Peters 1945)

<i>Alcedo cristata</i>	2A		<i>Halcyon albiventris</i>	A	
<i>Ceryle maxima</i>		S	<i>Halcyon chelicuti</i>	7A	
<i>Ceryle rudis</i>	4A		<i>Halcyon leucocephala</i>	7A	
<i>Chloroceryle aenea</i>	2A		<i>Halcyon sancta</i>	2A	
<i>Chloroceryle americana</i>	2A		<i>Halcyon smyrnensis</i>	2A	
<i>Dacelo gaudichaud</i>	A		<i>Ispidina picta</i>	A	
<i>Dacelo novaeguineae</i>		S	<i>Megaceryle alcyon</i>	3A	3S

FAMILY TODIDAE

(Peters 1945)

<i>Todus angustirostris</i>	3A		<i>Todus subulatus</i>	4A	
<i>Todus mexicanus</i>	a				

FAMILY MOMOTIDAE

(Peters 1945)

<i>Baryphthengus ruficapillus</i>	A		<i>Eumomota superciliosa</i>	2a	
<i>Electron platyrhynchum</i>	a		<i>Momotus momota</i>	2A	S

FAMILY MEROPIDAE

(Peters 1945)

<i>Aerops albicollis</i>	3A		<i>Merops apiaster</i>	5a	
<i>Dicrocercus hirundineus</i>	A		<i>Merops nubicus</i>	5A	
<i>Melittophagus gularis</i>		S	<i>Merops orientalis</i>	A	
<i>Melittophagus oreobates</i>	A		<i>Merops ornatus</i>	2A	
<i>Melittophagus pusillus</i>	6A		<i>Merops superciliosus</i>	5A	

FAMILY CORACIIDAE

(Peters 1945)

<i>Brachypteracias leptosomus</i>	a		<i>Coracias garrulus</i>	A	
<i>Coracias benghalensis</i>	A		<i>Eurystomus glaucurus</i>	2A	
<i>Coracias caudata</i>	3A		<i>Eurystomus orientalis</i>	3A	

FAMILY LEPTOSOMATIDAE

(Peters 1945)

<i>Leptosomus discolor</i>	a				
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FAMILY UPUPIDAE

(Peters 1945)

<i>Upupa epops</i>	12A	4S			
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FAMILY PHOENICULIDAE

(Peters 1945)

Phoeniculus purpureus	2A	Rhinopomastus minor	2A
Rhinopomastus cyanomelas	A		

FAMILY BUCEROTIDAE

(Peters 1945)

Buceros bicornis	S	Tockus deckeni	A	
Buceros rhinoceros	S	Tockus erythrorhynchus		S
Bucorvus leadbeateri	a	Tockus flavirostris	a	
Tockus alboterminatus	A	2S		

ORDER PICIFORMES

FAMILY GALBULIDAE

(Peters 1948)

Brachygalba lugubris	A	Galbula ruficauda	3a
Galbula leucogastra	A	Jacamerops aurea	2a

FAMILY BUCCONIDAE

(Peters 1948)

Bucco tamatia	a	Monasa morphoeus	3a
Chelidoptera tenebrosa	6A	Nonnula rubecula	2a
Malacoptila panamensis	2a	Nonnula ruficapilla	a
Monasa atra	A	Notharchus macrorhynchos	A

FAMILY CAPITONIDAE

(Peters 1948)

Capito maculicoronatus	A	Trachyphonus darnaudii	5A
Gymnobucco bonapartei	2A	Trachyphonus	
Lybius torquatus	2A	erythrocephalus	A
Megalaima asiatica	S	Tricholaema diadematum	3A
Pogoniulus bilineatus	4A	Tricholaema lachrymosum	6A
Pogoniulus leucomystax	2A	Tricholaema	
Semnornis ramphastinus	a	melanocephalum	A

FAMILY INDICATORIDAE

(Peters 1948)

Indicator indicator	3A	Indicator minor	A
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FAMILY RAMPHASTIDAE

(Peters 1948)

Andigena hypoglauca	4A	Pteroglossus torquatus	A	
Andigena nigrirostris	2A	Ramphastos cuvieri		k
Aulacorhynchus		Ramphastos dicolorus	2A	S
haematopygus	2A	Ramphastos sulfuratus	2a	S
Aulacorhynchus prasinus	4A	Ramphastos swainsonii	a	
Pteroglossus pluricinctus	3A			

FAMILY PICIDAE

(Peters 1948)

Asyndesmus lewis	A		Leuconerpes candidus	2A	
Campephilus magellanicus		S	Melanerpes carolinus	A	
Campethera abingoni	2A		Melanerpes		
Campethera caillautii	3A		erythrocephalus	2A	2S
Campethera caroli	A		Melanerpes flavifrons	2A	
Campethera nubica	6A		Melanerpes formicivorus	6A	
Celeus elegans	a		Melanerpes hypopolius	4A	
Celeus loricatus	5a		Melanerpes rubricapillus	2A	
Chrysocolaptes lucidus	A		Melanerpes rubricomus	A	
Chrysoptilus			Melanerpes striatus	3A	
melanochloros	2A		Mesopicus goertae	7A	
Chrysoptilus punctigula	a		Mesopicus griseocephalus	5A	
Colaptes auratus	10A	3S	Phloeoceastes		
Colaptes cafer	3A	3S	melanoleucos	A	
Colaptes cafer × auratus	2a		Phloeoceastes rubricollis	3A	
Colaptes campestris	A		Picooides arcticus	A	
Colaptes chrysoides	2A		Piculus chrysochloros	2a	
Colaptes pitius		S	Piculus rivolii	2a	
Dendrocopos albolarvatus	2A		Piculus rubiginosus	a	
Dendrocopos medius	A		Picumnus sp.		S
Dendrocopos minor	2A		Picumnus exilis	A	
Dendrocopos mixtus	A		Picumnus olivaceus	a	
Dendrocopos pubescens	9A	5S	Picumnus squamulatus	a	
Dendrocopos scalaris	3A		Picumnus temminckii	2A	
Dendrocopos villosus	5A	4S	Picus viridis	A	
Dendropicos abyssinicus	A		Sphyrapicus thyroideus	3A	
Dendropicos fuscescens	3A		Sphyrapicus varius	7A	S
Dryocopus lineatus	2A		Trichopicus cactorum	3A	
Dryocopus martius		S	Tropias namaquus	A	
Dryocopus pileatus	2A	S	Veniliornis fumigatus	A	
Jynx torquilla	2A	S	Veniliornis spilogaster	11A	2S

ORDER PASSERIFORMES

FAMILY EURYLAIMIDAE

(Peters 1951)

Smithornis capensis A

FAMILY DENDROCOLAPTIDAE

(Peters 1951)

Campylorhamphus			Lepidocolaptes		
falcularius	A		albolineatus	2A	
Deconychura longicauda	A		Lepidocolaptes		
Dendrocincla anabatina	A		angustirostris	8A	2S
Dendrocincla fuliginosa	5a		Lepidocolaptes souleyetii	3A	
Dendrocincla homochroa	A		Lepidocolaptes squamatus	3A	
Dendrocolaptes certhia	a		Sittasomus griseicapillus	10A	8S
Dendrocolaptes picumnus	4A		Xiphocolaptes		
Dendrocolaptes platyrostris	6A		promeropirhynchus	2a	
Drymornis bridgesii	A		Xiphorhynchus flavigaster	5A	
Glyphorhynchus spirurus	A		Xiphorhynchus guttatus	5A	
Lepidocolaptes affinis	A		Xiphorhynchus picus	a	

FAMILY FURNARIIDAE

(Peters 1951)

Anabacerthia striaticollis	A		Phacellodomus striaticollis	2A	
Anumbius annumbi	2A		Philydor atricapillus	A	
Aphrastura spinicauda	7A	S	Philydor erythrocerus	a	
Asthenes anthioides	5a		Philydor lichtensteini	17A	12S
Asthenes baeri	4A	S	Philydor rufus	3A	S
Asthenes patagonica	a		Phleocryptes melanops	7A	
Asthenes pyrrholeuca	5A		Premnoplex brunnescens	2a	
Automolus leucophthalmus	A		Pseudocolaptes		
Chilia melanura	A		boissoneautii	a	
Cinclodes fuscus	3A		Pseudoseisura gutturalis	7a	
Cinclodes nigrofumosus	A		Pseudoseisura lophotes	6A	2S
Cinclodes patagonicus	5a		Pygarrhichas albogularis	5A	
Coryphistera alaudina	5A	5S	Schoeniophylax		
Cranioleuca erythroptis	2A		phryganophila	8A	5S
Cranioleuca obsoleta	2A		Sclerurus guatemalensis	2A	
Cranioleuca pyrrhopia	4A	S	Sclerurus scansor	a	
Cranioleuca sulfurifera	2A		Spartanoica maluroides	A	
Eremobius phoenicurus	7a		Synallaxis albescens	2a	
Furnarius rufus	8A	3S	Synallaxis brachyura	a	
Geositta cunicularia	7A		Synallaxis cinerascens	4A	
Heliobletus contaminatus	5A		Synallaxis erythrothorax	3A	
Leptasthenura			Synallaxis frontalis	3A	
aegithaloides	6a		Synallaxis ruficapilla	5A	
Leptasthenura platensis	a		Syndactyla		
Limnoctites rectirostris	2a		rufosuperciliata	12A	2S
Lochmias nematura	A		Thripadectes rufobrunneus	a	
Margarornis rubiginosus	2A		Upucerthia dumetaria	5A	
Margarornis squamiger	a		Xenops minutus	A	
Ochetorhynchus certhioides	A		Xenops rutilans	4A	S
Phacellodomus sibilatrix	A				

FAMILY FORMICARIIDAE

(Peters 1951)

Cercomacra tyrannina	3a		Mackenzieana severa	A	
Chamaeza campanisona	A		Microrhopias quixensis	a	
Drymophila caudata		S	Myrmeciza exsul	4a	
Drymophila ferruginea	10A		Myrmeciza longipes	a	
Dysithamnus mentalis	9A	3S	Myrmotherula axillaris	3a	
Formicarius analis	2A		Myrmotherula fulviventris	A	
Formicivora grisea	2a		Phaenostictus mcleannani	a	
Formicivora rufa	a		Pyriglena leucoptera	4A	
Grallaria ochroleuca	a		Taraba major	3A	
Grallaria perspicillata	5a		Terenura maculata	A	
Grallaria varia	a		Thamnophilus		
Gymnocichla nudiceps	3a		caerulescens	14A	
Gymnopithys leucaspis	2A		Thamnophilus doliatus	6A	
Herpsilochmus			Thamnophilus multistriatus	a	
rufimarginatus	8A	2S	Thamnophilus nigriceps	2a	
Hylophylax naevioides	3A		Thamnophilus punctatus	2A	
Hypoedaleus guttatus	4A				

FAMILY CONOPOPHAGIDAE

(Peters 1951)

<i>Conopophaga lineata</i>	6A	3S	<i>Corythopsis delalandi</i>	3A
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FAMILY RHINOCRYPTIDAE

(Peters 1951)

<i>Eugralla paradoxa</i>	3A		<i>Rhinocrypta lanceolata</i>	a
<i>Pteroptochos megapodius</i>	3A	S	<i>Scelorchilus rubecula</i>	A
<i>Pteroptochos tarnii</i>	A	S	<i>Scytalopus magellanicus</i>	A

FAMILY COTINGIDAE

(Hellmayr 1929)

<i>Attila spadiceus</i>	4A		<i>Pachyramphus rufus</i>	2a
<i>Cotinga amabilis</i>	a		<i>Pachyramphus viridis</i>	3A
<i>Cotinga nattererii</i>	a		<i>Platypsaris aglaiae</i>	A
<i>Euchlornis aureopectus</i>	2a		<i>Pyroderus scutatus</i>	A
<i>Euchlornis jucunda</i>	a		<i>Querula purpurata</i>	a
<i>Heliochera rubrocristata</i>	5A		<i>Rhytipterna holerythra</i>	2a
<i>Laniocera rufescens</i>	2a		<i>Rupicola rupicola</i>	
<i>Lipaugus unirufus</i>	3A		<i>Tityra cayana</i>	2A
<i>Pachyramphus castaneus</i>	4A		<i>Tityra inquisitor</i>	3A
<i>Pachyramphus polychopterus</i>	2a		<i>Tityra semifasciata</i>	a

FAMILY PIPRIDAE

(Hellmayr 1929)

<i>Chiroxiphia caudata</i>	13A	6S	<i>Pipra erythrocephala</i>	4a
<i>Chiroxiphia lanceolata</i>	A		<i>Pipra mentalis</i>	7A
<i>Coropipo leucorrhoea</i>	3a		<i>Pipra pipra</i>	A
<i>Manacus candei</i>	3A		<i>Piprites chloris</i>	2A
<i>Manacus manacus</i>	2a		<i>Schiffornis turdinus</i>	a
<i>Manacus vitellinus</i>	3A		<i>Schiffornis virescens</i>	6A
<i>Pipra coronata</i>	a			S

FAMILY TYRANNIDAE

(Cory & Hellmayr 1927; Eisenmann 1955)

<i>Aechmolophus mexicanus</i>	a		<i>Elaenia flavogaster</i>	5A
<i>Agriornis livida</i>	4A		<i>Elaenia gaimardii</i>	A
<i>Agriornis microptera</i>	a		<i>Elaenia martinica</i>	a
<i>Camptostoma obsoletum</i>	2A	S	<i>Elaenia obscura</i>	11A
<i>Capsiempis flaveola</i>	13A	2S	<i>Elaenia viridicata</i>	a
<i>Cnipodectes subbrunneus</i>	A		<i>Empidonax albigularis</i>	2a
<i>Colonia colonus</i>	4A	S	<i>Empidonax difficilis</i>	5A
<i>Colopteryx galeatus</i>	a		<i>Empidonax flaviventris</i>	2A
<i>Conopias trivirgata</i>	5A		<i>Empidonax hammondii</i>	2A
<i>Coryphotriccus parvus</i>	a		<i>Empidonax minimus</i>	6A
<i>Elaenia albiceps</i>	2a	S	<i>Empidonax oberholseri</i>	2A
<i>Elaenia albivertex</i>	2a		<i>Empidonax traillii</i>	71A
<i>Elaenia caniceps</i>	4A		<i>Empidonax virescens</i>	2a
<i>Elaenia chiriquensis</i>	4A		<i>Empidonax wrightii</i>	A
<i>Elaenia fallax</i>	2A			S

Empidonomus			Ochthoeca fumicolor	3a	
aurantioatrocristatus	2a		Oncostoma cinereigulare	3A	
Euscarthmornis			Onychorhynchus mexicanus	a	
margaritaceiventris	A		Phaeomyias murina	A	
Gubernetes yetapa	2A	S	Phylloscartes ventralis	5A	3S
Habrura pectoralis	A		Pipromorpha oleaginea	3A	
Hemitriccus diops	8A		Pitangus lictor	3A*	
Knipolegus cyanirostris	5A		Pitangus sulphuratus	4A	2S
Leptopogon			Platyrinchus mystaceus	3A	
amaurocephalus	9A		Pogonotriccus eximius	7A	S
Leptotriccus sylviolus	4A		Pyrocephalus rubinus	10A	3S
Lessonia rufa	10A		Pyrrhomyias cinnamomea	2A	
Lichenops [= Hymenops]			Rhynchocyclus brevirostris	A	
perspicillata	8A	S	Rhynchocyclus olivaceus	2a	
Machetornis rixosa	6A	S	Satrapa icterophrys	3A	
Mecocerculus leucophrys	A		Sayornis nigricans	A	
Megarhynchus pitangua	3A		Sayornis phoebe	10A	5S
Microtriccus semiflavus	5A		Sayornis saya	4A	
Muscisaxicola albilora	2A		Serpophaga cinerea	2A	
Muscisaxicola capistrata	5a		Serpophaga subcristata	8A	
Muscisaxicola frontalis	3A		Sirystes sibilator	6A	S
Muscisaxicola			Spizitiornis parulus	4A	
maculirostris	5a		Stigmatura budytoides	3a	
Muscivora forficata	A		Suiriri suiriri	6a	
Muscivora tyrannus	A		Tachuris rubrigastra	10A	
Myiarchus cinerascens	A	S	Todirostrum cinereum	6A	
Myiarchus crinitus	3A	S	Todirostrum plumbeiceps	11A	
Myiarchus ferox	A		Todirostrum sylvia	2A	
Myiarchus tuberculifer	8A		Tolmomyias flaviventris	2a	
Myiarchus tyrannulus	3A		Tolmomyias megacephalus	A	
Myiobius sulphureipygus	4A		Tolmomyias sulphurescens	6A	
Myiochanes [= Contopus]			Tyranniscus chrysops	7A	
cinereus	A		Tyranniscus nigrocapillus	a	
Myiochanes [= Contopus]			Tyrannopsis sulphurea	A	
virens	a		Tyrannulus elatus	2A	
Myiochanes richardsoni			Tyrannus albogularis	2a	
[= Contopus			Tyrannus dominicensis	a	
sordidulus]	2A		Tyrannus melancholicus	11A	
Myiodynastes luteiventris	A		Tyrannus tyrannus	2A	
Myiodynastes maculatus	2A		Xolmis cinerea	4A	2S
Myiophobus fasciatus	2a		Xolmis coronata	A	
Myiornis auricularis	11A		Xolmis irupero	6A	
Myiozetetes cayanensis	7A		Xolmis murina	2a	
Myiozetetes similis	4A		Xolmis pyrope	4A	
Neoxolmis rufiventris	2A	S	Xolmis rubetra	a	
Nuttallornis mesoleucus	A	S			

FAMILY PHYTOTOMIDAE

(Hellmayr 1929)

Phytotoma rara	3A	S	Phytotoma rutila	9A	4S
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FAMILY PITTIDAE

(Ripley 1961)

Pitta brachyura	A				
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FAMILY MENURIDAE
(Serventy & Whittell 1962)

Menura novaehollandiae S

FAMILY ALAUDIDAE
(Mayr & Greenway 1960)

<i>Alaemon alaudipes</i>	a		<i>Eremophila alpestris</i>	16A	
<i>Alauda arvensis</i>		S	<i>Eremopterix leucopareia</i>	A	
<i>Ammomanes deserti</i>	2A		<i>Galerida cristata</i>	15A	S
<i>Calandrella cinerea</i>	3A		<i>Miraфра poecilosterna</i>	A	

FAMILY HIRUNDINIDAE
(Mayr & Greenway 1960)

<i>Alopochelidon fucata</i>	A		<i>Progne subis</i>	6A	
<i>Cecropis abyssinica</i>	A		<i>Psalidoprocne albiceps</i>	A	
<i>Delichon urbica</i>	3A		<i>Psalidoprocne holomelaena</i>	4A	S
<i>Hirundo rustica</i>	20A	2S	<i>Ptyonoprocne obsoleta</i>	8A	2S
<i>Hirundo smithii</i>	A		<i>Riparia paludicola</i>	4A	S
<i>Hirundo tahitica</i>	A		<i>Riparia riparia</i>	6A	
<i>Notiochelidon cyanoleuca</i>	A	S	<i>Stelgidopteryx ruficollis</i>	2A	
<i>Notiochelidon murina</i>	a		<i>Tachycineta bicolor</i>	9A	S
<i>Petrochelidon nigricans</i>	A		<i>Tachycineta leucorrhoa</i>	A	
<i>Petrochelidon pyrrhonota</i>	4A	S	<i>Tachycineta thalassina</i>	2A	
<i>Progne chalybea</i>	A				

FAMILY DICRURIDAE
(Mayr & Greenway 1962)

<i>Dicrurus adsimilis</i>	4A		<i>Dicrurus forficatus</i>	4A	
<i>Dicrurus aldabranus</i>	2a		<i>Dicrurus hottentottus</i>	2A	
<i>Dicrurus balicassius</i>	3A		<i>Dicrurus macrocercus</i>		S

FAMILY ORIOLIDAE
(Mayr & Greenway 1962)

<i>Oriolus auratus</i>	2A		<i>Oriolus oriolus</i>	4A	
<i>Oriolus chinensis</i>	2A		<i>Sphecotheres vieilloti</i>		S

FAMILY CORVIDAE
(Mayr & Greenway 1962)

<i>Aphelocoma coerulescens</i>	5A	S	<i>Corvus cryptoleucus</i>		2S
<i>Aphelocoma ultramarina</i>	3A		<i>Corvus frugilegus</i>		4S
<i>Cissa chinensis</i>		S	<i>Corvus kubaryi</i>		S
<i>Cissilopha beecheii</i>	A		<i>Corvus macrorhynchos</i>		4S
<i>Cissilopha sanblasiana</i>	2A	S	<i>Corvus monedula</i>	A	2S
<i>Corcorax melanorhamphos</i>		S	<i>Corvus ossifragus</i>		26S
<i>Corvus albus</i>	2A	5S	<i>Corvus rhipidurus</i>		6S
<i>Corvus brachyrhynchos</i>	2A	25S	<i>Corvus ruficollis</i>	2A	
<i>Corvus capensis</i>		S	<i>Corvus splendens</i>		S
<i>Corvus corax</i>		9S	<i>Crypsirina temia</i>		S
<i>Corvus corone</i>	2a	23S	<i>Cyanocitta cristata</i>	8A	9S
<i>Corvus coronoides</i>		10S	<i>Cyanocitta stelleri</i>	4A	2S

Cyanocorax affinis	a		Nucifraga columbiana	2A	
Cyanocorax chrysops	4A	2S	Perisoreus canadensis	2A	
Cyanocorax yncas	3a		Perisoreus infaustus	2A	
Cyanolyca viridicyana	2a		Pica pica	2A	4S
Cyanopica cyana	A		Psilorhinus morio	A	S
Garrulus glandarius	A		Pyrrhocorax graculus		S
Gymnorhinus cyanocephala	A		Zavattariornis stresemanni		S

FAMILY CRACTICIDAE

(Mayr & Greenway 1962)

Cracticus nigrogularis	A		Gymnorhina tibicen	A	S
Cracticus torquatus	A		Strepera graculina		S

FAMILY GRALLINIDAE

(Mayr & Greenway 1962)

Corcorax melanorhamphos		S	Struthidea cinerea	A	S
Grallina cyanoleuca	A	S			

FAMILY PTILONORHYNCHIDAE

(Mayr & Greenway 1962)

Chlamydera maculata	A		Sericulus chrysocephalus	a	
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FAMILY PARADISAEIDAE

(Mayr & Greenway 1962)

Astrapia splendidissima	A		Loria loriae	a	
Astrapia stephaniae	a		Paradisaea minor	A	
Diphylloides magnificus	A		Paradisaea rudolphi	a	
Lophorina superba	A		Pteridophora alberti	a	

FAMILY PARIDAE

(Paynter 1967)

Aegithalos caudatus	A		Parus inornatus	2A	
Parus albiventris	2A		Parus major	5A	
Parus atricapillus	13A	S	Parus rufescens	3A	
Parus bicolor	2A	S	Parus sclateri	a	
Parus caeruleus	7A		Parus wollweberi	3A	
Parus elegans	9A		Parus xanthogenys	A	
Parus gambeli	8A		Psaltriparus minimus	4A	2S
Parus hudsonicus	A				

FAMILY SITTIDAE

(Paynter 1967)

Neositta chrysoptera	A		Sitta frontalis	4A	
Sitta canadensis	9A		Sitta krueperi	A	
Sitta carolinensis	7A	S	Sitta neumayer	A	
Sitta europaea	2A	k	Sitta pygmaea	3A	

FAMILY CERTHIIDAE

(Paynter 1967)

<i>Certhia brachydactyla</i>	A		<i>Climacteris rufa</i>	2A
<i>Certhia familiaris</i>	9A	3S	<i>Rhabdornis mysticalis</i>	A
<i>Climacteris leucophaea</i>		S		

FAMILY TIMALIIDAE

(Mayr & Paynter 1964)

<i>Alcippe abyssinica</i>	2A		<i>Neomixis striatigula</i>	a
<i>Alcippe castaneiceps</i>		S	<i>Oxylabes madagascariensis</i>	a
<i>Alcippe vinipectus</i>		S	<i>Panurus biarmicus</i>	3A
<i>Chamaea fasciata</i>	7A	S	<i>Picathartes gymnocephalus</i>	2a
<i>Drymodes brunneopygia</i>	A		<i>Pomatostomus superciliosus</i>	A
<i>Garrulax canorus</i>	a		<i>Pomatostomus temporalis</i>	
<i>Garrulax leucolophus</i>		S	<i>Ptilorrhoa caeruleus</i>	A
<i>Leiothrix argentea</i>	A		<i>Stachyris capitalis</i>	2A
<i>Leiothrix lutea</i>	4A	S	<i>Stachyris plateni</i>	2A
<i>Macronous gularis</i>		2S	<i>Stachyris pyrrhops</i>	a
<i>Macronous striaticeps</i>	7A		<i>Trichastoma rufipenne</i>	A
<i>Minla strigula</i>		2S	<i>Turdoides fulvus</i>	A
<i>Mystacornis crossleyi</i>	a		<i>Turdoides jardineii</i>	A
<i>Neomixis tenella</i>	2A		<i>Turdoides rubiginosus</i>	5A

FAMILY CAMPEPHAGIDAE

(Mayr & Greenway 1960)

<i>Campephaga phoenicea</i>	2A		<i>Coracina pectoralis</i>	A
<i>Coracina cinerea</i>	A		<i>Coracina tenuirostris</i>	
<i>Coracina panayensis</i>	2A		<i>Lalage nigra</i>	A

FAMILY PYCNONOTIDAE

(Mayr & Greenway 1960)

<i>Chlorocichla flaviventris</i>	6A		<i>Phyllastrephus orostruthus</i>	a
<i>Hypsipetes crassirostris</i>	2A		<i>Phyllastrephus terrestris</i>	8A
<i>Hypsipetes flavala</i>		S	<i>Phyllastrephus zosterops</i>	2A
<i>Hypsipetes</i>			<i>Pycnonotus barbatus</i>	6A
<i>madagascariensis</i>	2A	S	<i>Pycnonotus goiavier</i>	4A
<i>Hypsipetes philippinus</i>	8A		<i>Pycnonotus importunus</i>	A
<i>Nicator chloris</i>	4A		<i>Pycnonotus jocosus</i>	
<i>Nicator gularis</i>	8A		<i>Pycnonotus latirostris</i>	3A
<i>Phyllastrephus debilis</i>	18A		<i>Pycnonotus leucogenys</i>	A
<i>Phyllastrephus fischeri</i>	3A		<i>Pycnonotus urostictus</i>	6A
<i>Phyllastrephus</i>			<i>Pycnonotus xanthopygos</i>	11A
<i>madagascariensis</i>	6A			

FAMILY IRENIDAE

(Mayr & Greenway 1960)

<i>Chloropsis hardwickei</i>	a			
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FAMILY CINCLIDAE
(Mayr & Greenway 1960)

<i>Cinclus leucocephalus</i>	A		<i>Cinclus mexicanus</i>	a
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FAMILY TROGLODYTIDAE
(Mayr & Greenway 1960)

<i>Campylorhynchus</i>			<i>Salpinctes obsoletus</i>	4A	S
<i>brunneicapillus</i>		S	<i>Thryomanes bewickii</i>	4A	S
<i>Campylorhynchus zonatus</i>	2A		<i>Thryothorus fasciatoventris</i>	a	
<i>Cinnycerthia unirufa</i>	3a		<i>Thryothorus leucotis</i>	a	
<i>Cistothorus palustris</i>	3A	2S	<i>Thryothorus ludovicianus</i>	A	S
<i>Cistothorus platensis</i>	a		<i>Thryothorus modestus</i>	2a	2S
<i>Cyphorhinus aradus</i>	2A		<i>Thryothorus rutilus</i>	4A	
<i>Henicorhina leucosticta</i>	4A		<i>Troglodytes aedon</i>	6A	S
<i>Salpinctes mexicanus</i>	2A		<i>Troglodytes troglodytes</i>	4A	

FAMILY MIMIDAE
(Mayr & Greenway 1960)

<i>Donacobius atricapillus</i>	2a		<i>Mimus saturninus</i>	2a	S
<i>Dumatella carolinensis</i>	10A	4S	<i>Mimus triurus</i>	a	
<i>Melanoptila glabrirostris</i>	2A		<i>Oreoscoptes montanus</i>	3A	
<i>Melanotis caerulescens</i>	4A		<i>Toxostoma dorsale</i>	a	
<i>Mimus gilvus</i>	A		<i>Toxostoma guttatum</i>	A	
<i>Mimus patagonicus</i>	4a		<i>Toxostoma redivivum</i>	a	
<i>Mimus polyglottos</i>	2A	2S	<i>Toxostoma rufum</i>	2A	

FAMILY TURDIDAE
(Mayr & Paynter 1964)

<i>Alethe fuelleborni</i>	2A		<i>Erythropygia quadrivirgata</i>	7A	
<i>Alethe montana</i>	2A		<i>Hylocichla mustelina</i>	9A	
<i>Alethe poliocephala</i>	A		<i>Modulatrix stictigula</i>	2A	
<i>Catharus fuscescens</i>	8A	S	<i>Monticola saxatilis</i>	A	
<i>Catharus gracilirostris</i>	2A		<i>Monticola solitarius</i>	3A	
<i>Catharus guttatus</i>	3A	2S	<i>Myadestes genibarbis</i>	a	
<i>Catharus minimus</i>	4A		<i>Myadestes ralloides</i>	2a	
<i>Catharus occidentalis</i>	2A		<i>Myadestes townsendi</i>	3A	
<i>Catharus ustulatus</i>	8A	2S	<i>Myrmecocichla aethiops</i>	A	
<i>Cercomela sordida</i>	4A		<i>Myrmecocichla arnotti</i>	A	
<i>Cichladusa guttata</i>	A		<i>Neocossyphus rufus</i>	A	
<i>Copsychus albospecularis</i>	5A		<i>Oenanthe deserti</i>	A	
<i>Copsychus saularis</i>	A		<i>Oenanthe hispanica</i>	7A	
<i>Copsychus sechellarum</i>	2a		<i>Oenanthe isabellina</i>	3a	
<i>Cossypha caffra</i>	2A		<i>Oenanthe leucopyga</i>	8a	
<i>Cossypha heuglini</i>	11A		<i>Oenanthe lugens</i>	A	
<i>Cossypha natalensis</i>	2A		<i>Oenanthe oenanthe</i>	7A	
<i>Erithacus gunningi</i>	5A	S	<i>Oenanthe pileata</i>	2A	
<i>Erithacus luscini</i>	2A		<i>Phoenicurus</i>		
<i>Erithacus megarhynchus</i>	A		<i>caeruleocephalus</i>		S
<i>Erithacus rubecula</i>	6A		<i>Phoenicurus phoenicurus</i>	8A	
<i>Erithacus sharpei</i>	A		<i>Pogonocichla stellata</i>	3A	
<i>Erithacus svecicus</i>	5A		<i>Rhyacornis fuliginosus</i>	A	
<i>Erythropygia leucophrys</i>	A		<i>Saxicola rubetra</i>	A	

<i>Saxicola torquata</i>	6A		<i>Turdus nigrescens</i>	6A
<i>Sialia currucoides</i>	4A		<i>Turdus olivaceus</i>	3A
<i>Sialia sialis</i>	2A	4S	<i>Turdus philomelos</i>	A
<i>Stizorhina fraseri</i>	A		<i>Turdus pilaris</i>	A
<i>Turdus amaurochalinus</i>	A		<i>Turdus plumbeus</i>	3A
<i>Turdus grayi</i>	3A		<i>Turdus poliocephalus</i>	A
<i>Turdus ignobilis</i>	2A		<i>Turdus rufiventris</i>	2S
<i>Turdus iliacus</i>	3A		<i>Turdus tephronotus</i>	a
<i>Turdus leucomelas</i>	a		<i>Zoothera piaggiae</i>	3A
<i>Turdus litsipsirupa</i>	A		<i>Zoothera</i> [= <i>Ridgwayia</i>]	
<i>Turdus merula</i>		S	<i>pinicola</i>	A
<i>Turdus migratorius</i>	10A	4S		

FAMILY SYLVIIDAE

(Delacour & Mayr 1946; Eisemann 1955; Hellmayr 1934; Mackworth-Praed & Grant 1955; Rand 1936; Ripley 1961, 1964 pers. comm. re. *Crateroscelis*; Serventy & Whittell 1962; Vaurie 1959)

<i>Acanthiza chrysorrhoa</i>	A		<i>Melocichla mentalis</i>	A
<i>Acanthiza inornata</i>	A		<i>Microbates cinereiventris</i>	A
<i>Acanthiza pusilla</i>	A		<i>Nesillas typica</i>	3a
<i>Acanthiza uropygialis</i>	A		<i>Orthotomus atrogularis</i>	2A
<i>Acrocephalus baeticata</i>	A		<i>Phylloscopus bonelli</i>	2A
<i>Acrocephalus</i>			<i>Phylloscopus collybita</i>	13A
<i>schoenobaenus</i>	7a		<i>Phylloscopus olivaceus</i>	6A
<i>Acrocephalus scirpaceus</i>	7A		<i>Phylloscopus sibilatrix</i>	2A
<i>Apalis flavida</i>	7A		<i>Phylloscopus trivirgatus</i>	2A
<i>Apalis melanocephala</i>	3A		<i>Phylloscopus trochilus</i>	5A
<i>Apalis pulchra</i>	3A		<i>Polioptila caerulea</i>	4A
<i>Aphelocephala leucopsis</i>	A		<i>Polioptila lactea</i>	A
<i>Artisornis metopias</i>	A		<i>Polioptila melanura</i>	A
<i>Calamonastes fasciolatus</i>	A		<i>Polioptila plumbea</i>	8A
<i>Calamonastes simplex</i>	5A		<i>Prinia gracilis</i>	16A
<i>Camaroptera brevicaudata</i>	13A	S	<i>Prinia subflava</i>	2A
<i>Cinclorhampus cruralis</i>	A		<i>Pyrholaemus brunneus</i>	2A
<i>Cinclorhampus mathewsi</i>	A		<i>Ramphocaenus rufiventris</i>	4A
<i>Cisticola brachyptera</i>	A		<i>Regulus calendula</i>	10A
<i>Cisticola cherina</i>	2A		<i>Regulus satrapa</i>	8A
<i>Cisticola chiniana</i>	A		<i>Sathrocercus cinnamomeus</i>	2A
<i>Cisticola hunteri</i>	A		<i>Seicercus ruficapillus</i>	A
<i>Cisticola juncidis</i>	2A		<i>Sericornis maculatus</i>	A
<i>Crateroscelis robusta</i>	A		<i>Smicrornis brevirostris</i>	A
<i>Eminia lepida</i>	4A		<i>Suaheliornis kretchmeri</i>	A
<i>Eremomela scotops</i>	A		<i>Sylvia atricapilla</i>	4A
<i>Hippolais icterina</i>	a		<i>Sylvia borin</i>	A
<i>Hippolais pallida</i>	2A		<i>Sylvia cantillans</i>	12A
<i>Malurus alboscapulatus</i>	A		<i>Sylvia communis</i>	A
<i>Malurus elegans</i>	A		<i>Sylvia curruca</i>	7A
<i>Malurus lamberti</i>	2A		<i>Sylvia melanocephala</i>	A
<i>Malurus melanocephalus</i>	A		<i>Sylvietta brachyura</i>	A
<i>Megalurus timoriensis</i>	A		<i>Sylvietta whytii</i>	3A

FAMILY MUSCICAPIDAE

(Delacour & Mayr 1946; Mackworth-Præd & Grant 1955; Mayr 1945; Rand 1936; Paynter 1967; Ripley 1964; Serventy & Whittell 1962; Vaurie 1959)

<i>Alseonax adustus</i>	3A		<i>Pachycephala pectoralis</i>	2A
<i>Batis capensis</i>	7A		<i>Pachycephala</i>	
<i>Batis minor</i>	2A		<i>philippinensis</i>	4A
<i>Batis molitor</i>	8A		<i>Pachycephala rufiventris</i>	2A
<i>Bradornis pallidus</i>	8A		<i>Pachycephala schlegelii</i>	2A
<i>Chloropeta similis</i>	A		<i>Peltops blainvillii</i>	A
<i>Chloropetella holochlora</i>	6A		<i>Peltops montanus</i>	A
<i>Colluricincla tenebrosa</i>		S	<i>Petroica cucullata</i>	2A
<i>Colluricincla harmonica</i>	2A		<i>Petroica goodenovii</i>	3A
<i>Culicicapa helianthea</i>	6A		<i>Petroica multicolor</i>	6A
<i>Dioptrornis fischeri</i>	8A		<i>Pitohui dichrous</i>	2A
<i>Eopsaltria georgiana</i>	3A		<i>Platysteira cyanea</i>	4A
<i>Eopsaltria griseogularis</i>	3A		<i>Platysteira peltata</i>	A
<i>Epthianura albifrons</i>	3A		<i>Pseudobias wardi</i>	2A
<i>Hypothymis azurea</i>	2A		<i>Rhinomyias ruficauda</i>	3A
<i>Melanodryas cucullata</i>	A		<i>Rhipidura albolimbata</i>	2A
<i>Microeca leucophaea</i>	2A		<i>Rhipidura brachyrhyncha</i>	A
<i>Monarcha guttula</i>	2A		<i>Rhipidura cyaniceps</i>	4A
<i>Monachella mulleriana</i>	A		<i>Rhipidura</i>	
<i>Muscicapa albicollis</i>	A		<i>nigrocinnamomea</i>	A
<i>Muscicapa hypoleuca</i>	2A		<i>Rhipidura rufifrons</i>	
<i>Muscicapa macgregoriae</i>	A		<i>Rhipidura superciliaris</i>	3A
<i>Muscicapa panayensis</i>	3A		<i>Tchitreia corvina</i>	A
<i>Muscicapa striata</i>	5A		<i>Tchitreia viridis</i>	8A
<i>Newtonia amphichroa</i>	2A		<i>Trochocercus albonotatus</i>	3A
<i>Oreoica gutturalis</i>	2A		<i>Trochocercus cyanomelas</i>	11A

FAMILY PRUNELLIDAE

(Mayr & Paynter 1964)

<i>Prunella collaris</i>	4a		<i>Prunella modularis</i>	A
<i>Prunella himalayana</i>		S		

FAMILY MOTACILLIDAE

(Mayr & Greenway 1960)

<i>Anthus bogotensis</i>	3A		<i>Macronyx croceus</i>	5A
<i>Anthus cervinus</i>	3A		<i>Motacilla aguimp</i>	2A
<i>Anthus leucophrys</i>	A		<i>Motacilla alba</i>	16A
<i>Anthus novaeseelandiae</i>	14A		<i>Motacilla clara</i>	2A
<i>Anthus sokokensis</i>	A		<i>Motacilla flava</i>	5A
<i>Anthus spinoletta</i>	8A	S	<i>Motacilla flaviventris</i>	6A
<i>Anthus trivialis</i>	A			

FAMILY BOMBYCILLIDAE

(Mayr & Greenway 1960)

<i>Bombycilla cedrorum</i>	8A	6S	<i>Bombycilla garrulus</i>	11A
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FAMILY PTILOGONATIDAE

(Mayr & Greenway 1960)

Phainopepla nitens	A	Ptilogonys cinereus	A
Ptilogonys caudatus	a		

FAMILY DULIDAE

(Mayr & Greenway 1960)

Dulus dominicus	8A
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FAMILY ARTAMIDAE

(Mayr & Greenway 1962)

Artamus cinereus	4A	Artamus maximus	A
Artamus cyanopterus	5A	Artamus personatus	2A
Artamus fuscus	S		

FAMILY VANGIDAE

(Mayr & Greenway 1960; Dorst 1960)

Calicalicus		Leptopterus viridis	2a
madagascariensis	A	Schetba rufa	a
Hypositta corallirostris	2a	Tylas eduardi	3a
Leptopterus chabert	4A	Vanga curvirostris	A
Leptopterus madagascarinus	4a		

FAMILY LANIIDAE

(Mayr & Greenway 1960)

Dryoscopus cubla	5A	Lanius nubicus	3A
Laniarius ferrugineus	5A	Lanius schach	A
Laniarius funebris	10A	Lanius senator	2a
Lanius collaris	3A	Nilaus afer	A
Lanius collurio	3A	Tchagra cruenta	2A
Lanius dorsalis	A	Tchagra senegala	10A
Lanius excubitor	3A	Telophorus quadricolor	A
Lanius ludovicianus	A	Telophorus sulfureopectus	3A

FAMILY PRIONOPIDAE

(Mayr & Greenway 1960)

Eurocephalus anguitimens	9A	Prionops scopifrons	5A	2S
Prionops plumata	4A	Prionops retzii	A	

FAMILY CYCLARHIDAE

(Hellmayr 1935)

Cyclarhis gujanensis	9A	4S
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FAMILY VIREOLANIIDAE

(Hellmayr 1935)

Smaragdolanus pulchellus	2A
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FAMILY STURNIDAE
(Mayr & Greenway 1962)

<i>Acridotheres fuscus</i>		S	<i>Onychognathus morio</i>	A	
<i>Apolonis minor</i>	3A		<i>Sarcops calvus</i>	a	
<i>Aplonis opaca</i>	A	2S	<i>Spreo fischeri</i>	A	
<i>Buphagus erythrorhynchus</i>	A		<i>Spreo hildebrandti</i>	2A	
<i>Cinnyricinclus leucogaster</i>	A		<i>Spreo superbus</i>	5A	
<i>Cosmopsarus unicolor</i>	A		<i>Sturnus contra</i>	A	
<i>Gracula religiosa</i>	A	2S	<i>Sturnus roseus</i>		S
<i>Lamprotornis chalybaeus</i>	5A		<i>Sturnus unicolor</i>	2A	
<i>Lamprotornis corruscus</i>	8A	2S	<i>Sturnus vulgaris</i>	4A	3S
<i>Leucopsar rothschildi</i>	a				

FAMILY MELIPHAGIDAE
(Paynter 1967)

<i>Acanthorhynchus</i>			<i>Melipotes fumigatus</i>	A	
<i>superciliosus</i>	2A		<i>Melithreptes lunatus</i>	A	
<i>Anthochaera carunculata</i>	A	S	<i>Myzomela rosenbergii</i>	A	
<i>Anthochaera chrysoptera</i>	A		<i>Phylidonyris</i>		
<i>Anthochaera rufogularis</i>	2A	S	<i>novaehollandiae</i>	2A	
<i>Entomyzon cyanotis</i>	A	S	<i>Phylidonyris pyrrhoptera</i>	A	
<i>Glychichaera fallax</i>	A		<i>Promerops cafer</i>	a	
<i>Manorina flavigula</i>	2A		<i>Prothemadera</i>		
<i>Melidectes torquatus</i>	3A		<i>novaeseelandiae</i>		2S
<i>Meliphaga flaviventer</i>	2A		<i>Ptiloprora guisei</i>	A	
<i>Meliphaga gracilis</i>	A		<i>Toxorhamphus</i>		
<i>Meliphaga melanops</i>	A		<i>novaeguineae</i>	A	
<i>Meliphaga polygramma</i>	2A				

FAMILY NECTARINIIDAE
(Paynter 1967)

<i>Aethopyga pulcherrima</i>	2A		<i>Nectarinia kilimensis</i>	3A	
<i>Aethopyga shelleyi</i>	A		<i>Nectarinia mariquensis</i>	6A	
<i>Anthreptes collaris</i>	6A	S	<i>Nectarinia mediocris</i>	4A	
<i>Anthreptes malacensis</i>	A	S	<i>Nectarinia notata</i>	2A	
<i>Anthreptes platurus</i>	7A		<i>Nectarinia olivacea</i>	16A	2S
<i>Anthreptes reichenowi</i>	4A		<i>Nectarinia reichenowi</i>	12A	
<i>Arachnothera longirostra</i>	3A	S	<i>Nectarinia senegalensis</i>	2A	
<i>Nectarinia bifasciata</i>	A		<i>Nectarinia souimanga</i>	8A	
<i>Nectarinia chalybea</i>		S	<i>Nectarinia tacazze</i>	3A	
<i>Nectarinia dussumieri</i>	A		<i>Nectarinia talatala</i>	A	
<i>Nectarinia famosa</i>	2A		<i>Nectarinia venusta</i>	2A	
<i>Nectarinia jugularis</i>	A		<i>Nectarinia verticalis</i>	A	

FAMILY DICAIEIDAE
(Paynter 1967)

<i>Dicaeum australe</i>	A		<i>Dicaeum trigonostigma</i>	5A	
<i>Dicaeum bicolor</i>	2A		<i>Melanocharis nigra</i>	A	
<i>Dicaeum hypoleucum</i>	4A		<i>Paramythia montium</i>	2A	
<i>Dicaeum nigrilore</i>	A		<i>Pardalotus substriatus</i>	A	
<i>Dicaeum pygmaeum</i>	A		<i>Prionochilus olivaceus</i>	2A	

FAMILY ZOSTEROPIDAE

(Paynter 1967)

Hypocryptadius			Zosterops everetti	4A	
cinnamoneus	5A		Zosterops lateralis	A	
Lophozosterops			Zosterops maderaspatana	2A	
goodfellowi	3A		Zosterops montana	4A	
Zosterops cinerea		2S	Zosterops palpebrosa	2a	S
Zosterops conspicillata		S	Zosterops senegalensis	9A	

FAMILY VIREONIDAE

(Hellmayr 1935)

Hylophilus decurtatus	A		Vireo flavoviridis	2A	
Hylophilus flavipes	2a		Vireo gilvus	3A	
Hylophilus ochraceiceps	a		Vireo griseus	2A	3S
Hylophilus poicilotis	6A		Vireo pallens	2A	
Hylophilus semibrunneus	2a		Vireo philadelphicus	4A	
Vireo bairdi	2A		Vireo solitarius	8A	
Vireo carmioli	a		Vireo virescens		
Vireo flavifrons	4A	S	[= olivaceus]	10A	4S

FAMILY PARULIDAE

(A.O.U. 1957; Beecher 1951; Hellmayr 1935)

Ateleodacnis speciosa	11A		Microligea montana	3a	
Basileuterus culicivorus	14A	4S	Microligea palustris	A	
Basileuterus delatrii	6A		Mniotilta varia	6A	3S
Basileuterus fulvicauda	a		Myioborus melanocephalus		S
Basileuterus leucoblepharus	6A	4S	Myioborus miniatus	4A	S
Basileuterus rivularis		S	Myioborus ornatus	A	
Coereba flaveola	8A	S	Myioborus torquatus	a	
Conirostrum albifrons	a		Oporornis agilis	2a	
Dendroica auduboni	6A		Oporornis formosus	3A	
Dendroica caerulescens	6A		Oporornis philadelphia	A	
Dendroica castanea	3A		Oporornis tolmiei	2A	
Dendroica cerulea	A		Parula americana	8A	2S
Dendroica coronata	17A	2S	Parula pitaiayumi	7A	S
Dendroica discolor	2A		Peucedramus taeniatus	A	
Dendroica dominica	A		Prothonotaria citrea	2a	
Dendroica fusca	3A		Seiurus aurocapillus	9A	3S
Dendroica magnolia	4A	S	Seiurus motacilla	a	
Dendroica nigrescens	4A		Seiurus noveboracensis	6A	
Dendroica occidentalis	A		Setophaga ruticilla	4A	S
Dendroica palmarum	7A		Vermivora celata	A	
Dendroica pensylvanica	7A	S	Vermivora chrysoptera	A	
Dendroica petechia	6A	S	Vermivora gutturalis	a	
Dendroica striata	7A	2S	Vermivora hybrids	11a	
Dendroica tigrina	2A		Vermivora peregrina	7A	S
Dendroica virens	6A	4S	Vermivora pinus	3A	3S
Geothlypis aequinoctialis	A		Vermivora ruficapilla	4A	
Geothlypis trichas	13A	2S	Wilsonia canadensis	6A	S
Helmitheros vermivorus	3A	3S	Wilsonia citrina	2A	
Icteria virens	4A		Wilsonia pusilla	7A	
Limnothlypis swainsonii	A				

FAMILY PLOCEIDAE

(Delacour 1943; Friedmann 1960; Mayr & Greenway 1962)

<i>Amadina fasciata</i>	8A	2S	<i>Lonchura punctulata</i>		5S
<i>Amblyospiza albifrons</i>	2A		<i>Lonchura striata</i>		S
<i>Cryptospiza reichenowi</i>	A		<i>Malimbus rubriceps</i>	A	
<i>Cryptospiza salvadorii</i>	2A		<i>Padda oryzivora</i>	A	
<i>Dinemellia dinemelli</i>	5A		<i>Passer domesticus</i>	29A	3S
<i>Estrilda amandava</i>		6S	<i>Passer griseus</i>	7A	
<i>Estrilda angolensis</i>	20A	2S	<i>Passer hispaniolensis</i>	A	
<i>Estrilda astrild</i>	4A		<i>Passer iagoensis</i>	A	
<i>Estrilda atricapilla</i>	2A		<i>Passer luteus</i>	8A	
<i>Estrilda coerulescens</i>	7A	2S	<i>Petronia petronia</i>	7A*	
<i>Estrilda erythronotos</i>	3A		<i>Plocepasser donaldsoni</i>	2A	
<i>Estrilda ianthinogaster</i>	4A		<i>Plocepasser mahali</i>	4A	
<i>Estrilda senegala</i>	9A	2S	<i>Ploceus bicolor</i>	6A	S
<i>Estrilda temporalis</i>	a		<i>Ploceus bojeri</i>	A	
<i>Euplectes ardens</i>	4A		<i>Ploceus cucullatus</i>	8A	
<i>Euplectes capensis</i>	3A		<i>Ploceus intermedius</i>	4A	S
<i>Euplectes jacksoni</i>	A		<i>Ploceus ocularis</i>	3A	
<i>Euplectes nigroventris</i>	A		<i>Ploceus sakalava</i>	2A	
<i>Euplectes orix</i>	A		<i>Ploceus spekei</i>	A	
<i>Foudia madagascariensis</i>	6A		<i>Ploceus subaureus</i>	2A	
<i>Foudia sechellarum</i>	A		<i>Ploceus xanthops</i>	A	
<i>Hypargos nitidulus</i>	2A		<i>Poephila gouldiae</i>	A	
<i>Hypargos niveoguttatus</i>	3A	2S	<i>Pseudonigrita cabanisi</i>	4A	
<i>Lonchura castaneothorax</i>	A		<i>Pytilia melba</i>	2A	
<i>Lonchura cucullata</i>	6A		<i>Quelea quelea</i>	A	
<i>Lonchura leucogastra</i>	12A		<i>Sporopipes frontalis</i>	A	
<i>Lonchura malabarica</i>	5A	S	<i>Steganura paradisea</i>	3A	
<i>Lonchura malacca</i>	5A	3S	<i>Vidua macroura</i>	2A	
<i>Lonchura nana</i>	5A				

FAMILY ICTERIDAE

(Hellmayr 1937)

<i>Agelaius phoeniceus</i>	6A	3S	<i>Icterus gularis</i>		S
<i>Agelaius thilius</i>	A		<i>Icterus icterus</i>		S
<i>Amblycercus holosericeus</i>	2A	S	<i>Icterus mesomelas</i>	A	
<i>Archiplanus leucoramphus</i>	a		<i>Icterus spurius</i>	4A	2S
<i>Cacicus cela</i>	A		<i>Leistes militaris</i>	A	
<i>Cacicus haemorrhous</i>	A		<i>Macroagelaius subalaris</i>	4a	
<i>Cassiculus melanicterus</i>	3A	S	<i>Molothrus ater</i>	7A	S
<i>Cassidix mexicanus</i>	a		<i>Molothrus badius</i>	A	
<i>Dives dives</i>	3A		<i>Molothrus bonariensis</i>	3a	
<i>Dolichonyx oryzivorus</i>	6A		<i>Pezites militaris</i>	2A	
<i>Euphagus carolinus</i>	3A		<i>Pseudoleistes virescens</i>	2A	
<i>Gnorimopsar chopi</i>	4A		<i>Psomocolax oryzivorus</i>	A	
<i>Gymnostinops montezuma</i>	A		<i>Quiscalus quiscula</i>	3A	S
<i>Icterus bullockii</i>	A		<i>Sturnella magna</i>	3A	
<i>Icterus cayanensis</i>	3A	S	<i>Sturnella neglecta</i>	2A	
<i>Icterus cucullatus</i>		S	<i>Tangavius aeneus</i>	2A	
<i>Icterus fuertesi</i>	A		<i>Xanthocephalus</i>		
<i>Icterus galbula</i>	4A	S	<i>xanthocephalus</i>	a	S

FAMILY TERSINIDAE

(Hellmayr 1936)

<i>Tersina viridis</i>	A
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FAMILY THRAUPIDAE
(Beecher 1951; Hellmayr 1935, 1936)

Calospiza [= Tangara]			Phlogothraupis		
castanonota	2A	S	sanguinolenta	6A	
Calospiza cayana	a		Pipraeidea melanonota	9A	3S
Calospiza chrysophrys	a		Piranga bidentata	a	
Calospiza cyanicollis	4A		Piranga leucoptera	2a	
Calospiza florida	2a		Piranga ludoviciana	A	S
Calospiza gyrola	3A		Piranga olivacea	9A	2S
Calospiza heinei	a		Piranga roseogularis		S
Calospiza icterocephala	2A		Piranga rubra		2S
Calospiza inornata	2a		Poecilothraupis igniventris	2A	
Calospiza lavinia	3a		Pyrrhocoma ruficeps	6A	2S
Calospiza nigroviridis	4A		Ramphocelus dimidiatus	5A	
Calospiza ruficapilla	A	S	Ramphocelus flammigerus		S
Calospiza seledon	2A	5S	Ramphocelus icteronotus	2A	
Calospiza vassorii	2A		Rhodinocichla rosea	3A	
Chlorophanes spiza	2a	S	Schistochlamys melanopis	2A	
Chlorophonia cyanea	2A	6S	Spindalis zena	7A	
Chlorornis riefferii	3A		Stephanophorus diadematus	2A	
Chlorospingus			Tachyphonus coronatus	9A	4S
ophthalmicus	2A		Tachyphonus delatrii	a	
Chlorothraupis carmioli	a		Tachyphonus phoenicius	A	
Chrysothylpis chrysomelas	2a		Tachyphonus rufus	A	
Cissopis leveriana	3A	S	Tachyphonus surinamus	2A	
Cyanerpes cyaneus	A	S	Tanagra anae	a	
Dacnis cayana	5A	7S	Tanagra chalybea		S
Dacnis lineata	5a		Tanagra chlorotica	3A	
Dacnis venusta	a		Tanagra laniirostris	a	
Diglossa baritula	6A	S	Tanagra lauta	4A	
Diglossa caerulescens	2a		Tanagra minuta	a	
Diglossa carbonaria	a		Tanagra violacea	4A	
Eucometis penicillata	3a		Tanagra xanthogaster	a	
Habia gutturalis	5A	S	Thraupis bonariensis	3A	
Habia rubica	5A	4S	Thraupis cyanocephala	2a	
Hemispingus frontalis	2a		Thraupis cyanoptera		S
Hemithraupis flavicollis	3a		Thraupis episcopus	8A	S
Hemithraupis guira	12A	8S	Thraupis palmarum	6A	
Heterospingus xanthopygius	a		Thraupis sayaca	7A	9S
Lanio aurantius	A		Trichothraupis melanops	9A	8S
Phaenicophilus palmarum	6A				

FAMILY FRINGILLIDAE

(A.O.U. 1957; Hellmayr 1938; Mackworth-Praed & Grant 1955; Vaurie 1959)

Acanthis cannabina	5A		Amphispiza belli	A	
Acanthis flammea	7A	S	Amphispiza bilineata	5A	
Acanthis × Serinus hybrid	a		Arremon aurantirostris	2a	
Aimophila rufescens	A		Arremonops conirostris	4A	
Aimophila strigiceps	A		Arremonops rufivirgatus	5A	
Amaurospiza moesta	4A	4S	Atlappetes albobrenatus	A	
Ammodramus bairdii	A		Atlappetes atricapillus	a	
Ammodramus savannarum	6A		Atlappetes brunneinucha	6A	
Amospiza caudacuta	12A	S	Atlappetes gutturalis	3A	
Ammospiza maritima	5A	S	Atlappetes pallidinucha	2a	
Ammospiza mirabilis	4a		Atlappetes schistaceus	a	

Atlapetes torquatus		S	Pheucticus ludovicianus	6A	S
Calcarius lapponicus	2A		Pheucticus		
Calcarius ornatus		S	melanocephalus	3A	
Carduelis carduelis	5A		Phrygilus carbonarius	28a	
Carduelis chloris	6A	k	Phrygilus fruticeti	102a	
Carpodacus cassinii	3A		Phrygilus gayi	72a	S
Carpodacus mexicanus	5A		Phrygilus patagonicus	5A	
Carpodacus purpureus	7A	4S	Phrygilus unicolor	A	
Chondestes grammacus	3A	S	Pinicola enucleator	2A	
Coryphospingus cucullatus	4A	2S	Pipilo erythrophthalmus	7A	4S
Cyanocompsa cyanea	4a	2S	Pipilo fuscus	4A	
Cyanocompsa cyanoides	4A		Plectrophenax nivalis	4A	
Cyanocompsa parellina	2A		Poocetes gramineus	10A	2S
Diuca diuca	11A	2S	Poospiza lateralis	7A	2S
Donacospiza albifrons	a		Poospiza melanoleuca	3A	
Emberiza bruniceps		2S	Poospiza nigrorufa	A	
Emberiza caesia	A		Pyrrhula pyrrhula	2A	2S
Emberiza cia	A	S	Richmondia cardinalis	8A	S
Emberiza hortulana	A	S	Saltator albicollis	6A	
Emberiza melanocephala	A		Saltator atriceps	A	
Emberizoides herbicola	4A		Saltator maximus	A	
Embernagra platensis	4A		Saltatricula multicolor	a	
Fringilla coelebs	8A		Serinus atrogularis	4A	
Fringilla montifringilla	3A		Serinus canaria	8A	
Gubernatrix cristata	2a		Serinus mozambicus	5A	
Guiraca caerulea	2A		Serinus serinus	2A	3S
Haplosipza unicolor	2A		Serinus striolatus	3A	
Hesperiphona vespertina	2A		Sicalis flaveola	6A	S
Junco caniceps	A		Sicalis lebruni	9A	
Junco hyemalis	11A	8S	Sicalis luteola	4A	
Junco oreganus	6A		Spinus pinus	4A	S
Junco phaeonotus	A		Spinus psaltria	2A	
Leucosticte australis	15A		Spinus [= Carduelis]		
Leucosticte tephrocotis	2A		spinus	4A	
Loxia curvirostra	6A		Spinus tristis	12A	4S
Loxia leucoptera	4A		Spiza americana	2A	
Loxigilla violacea	3A		Spizella arborea	3A	3S
Loximitris dominicensis	A		Spizella breweri	3A	
Melanodera melanodera	2A	3S	Spizella passerina	12A	S
Melanodera xanthogramma	a		Spizella pusilla	2A	3S
Melospiza georgiana	7A	2S	Sporophila aurita	2A	
Melospiza lincolni	5A		Sporophila lineola	a	
Melospiza melodia	11A	8S	Sporophila luctuosa	a	
Melospiza kieneri	A		Sporophila minuta	4A	
Montifringilla nivalis	3a		Sporophila nigricollis	2A	
Myiospiza humeralis	6A	4S	Sporophila obscura	3a	
Oberholseria [= Chlorura]			Sporophila torquedula	4A	
chlorura	6A		Tiaris bicolor	6A	
Oryzoborus funereus	3A		Tiaris olivacea	8A	
Paroaria coronata	3A	4S	Volatinia jacarina	7A	
Passerculus sandwichensis	12A	2S	Zonotrichia albicollis	9A	3S
Passerella iliaca	3A	2S	Zonotrichia capensis	12A	3S
Passerherbulus caudacutus	3A		Zonotrichia coronata		
Passerina ciris	A		[= atricapilla]	4A	
Passerina cyanea	7A	S	Zonotrichia leucophrys	7A	S
Pezopetes capitalis	A				



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