

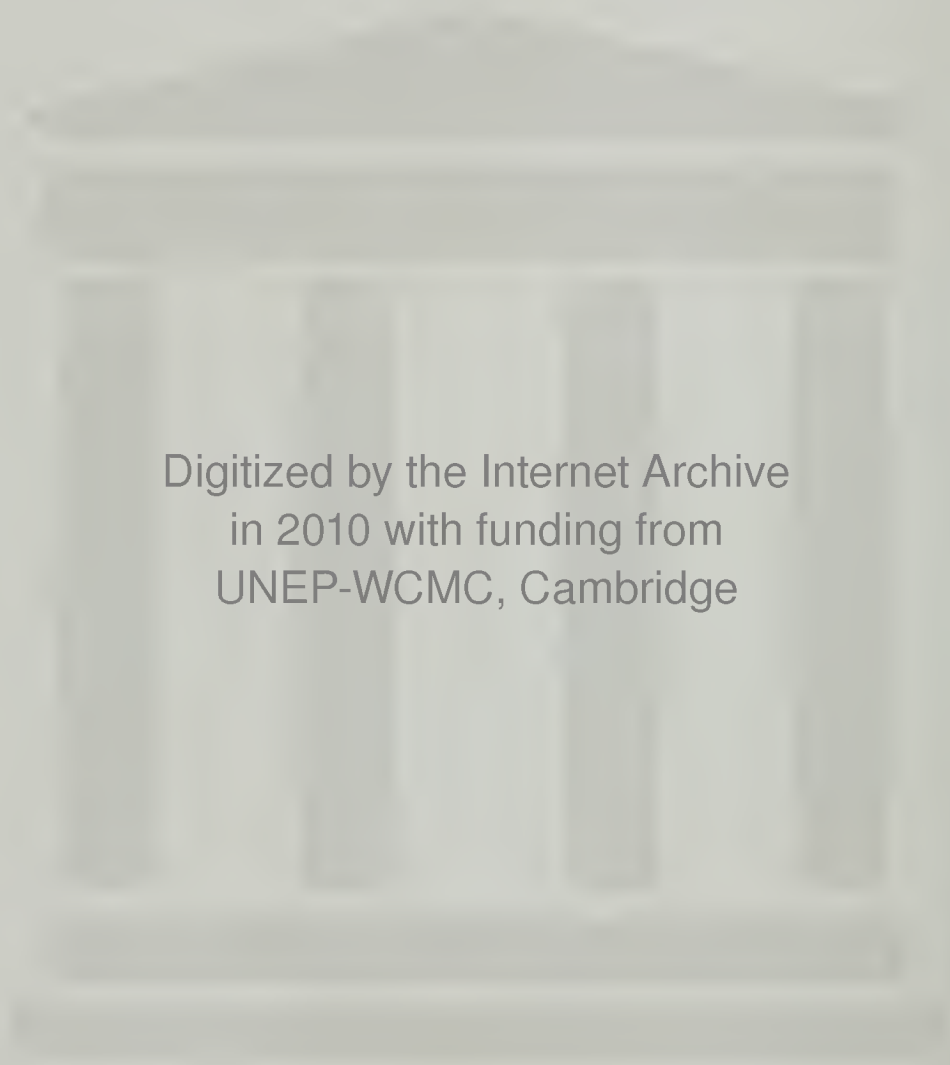
1990 IUCN Red List of Threatened Animals

Compiled by the
World Conservation Monitoring Centre



IUCN – The World Conservation Union





Digitized by the Internet Archive
in 2010 with funding from
UNEP-WCMC, Cambridge

1539
L

**1990 IUCN Red List
of Threatened Animals**

IUCN – THE WORLD CONSERVATION UNION

Founded in 1948, IUCN – the World Conservation Union – is a membership organisation comprising governments, non-governmental organisations (NGOs), research institutions, and conservation agencies in 120 countries. The Union's objective is to promote and encourage the protection and sustainable utilisation of living resources.

Several thousand scientists and experts from all continents form part of a network supporting the work of its six Commissions: threatened species, protected areas, ecology, sustainable development, environmental law and environmental education and training. Its thematic programmes include tropical forests, wetlands, marine ecosystems, plants, the Sahel, Antarctica, population and sustainable development, and women in conservation. These activities enable IUCN and its members to develop sound policies and programmes for the conservation of biological diversity and sustainable development of natural resources.

WCMC – THE WORLD CONSERVATION MONITORING CENTRE

The World Conservation Monitoring Centre (WCMC) is a joint venture between the three partners in the World Conservation Strategy, the World Conservation Union (IUCN), the World Wide Fund for Nature (WWF) and the United Nations Environment Programme (UNEP). Its mission is to support conservation and sustainable development by collecting and analysing global conservation data so that decisions affecting biological resources are based on the best available information.

WCMC has developed a global overview database of the world's biological diversity that includes threatened plant and animal species, habitats of conservation concern, critical sites, protected areas of the world, and the utilisation and trade in wildlife species and products. Drawing on this database, WCMC provides an information service to the conservation and development communities, governments and United Nations agencies, scientific institutions, the business and commercial sector, and the media. WCMC produces a wide variety of specialist outputs and reports based on analyses of its data.

1990 IUCN Red List of Threatened Animals

Prepared by the
**World Conservation Monitoring Centre
Cambridge, U.K.**

In association with the
IUCN Species Survival Commission
and the
International Council for Bird Preservation

Guest Essay by
Dr Nathan Flesness and Dr Tom Foose
of the
IUCN/SSC Captive Breeding Specialist Group

**IUCN - THE WORLD CONSERVATION UNION
1990**

Published by: IUCN, Gland, Switzerland, and Cambridge, U.K.

Prepared with financial support from the World Conservation Monitoring Centre, and published with a grant from the IUCN Species Survival Commission.

A contribution to GEMS – the Global Environment Monitoring System.



Copyright: 1990 International Union for Conservation of Nature and Natural Resources.

Reproduction of this publication for educational or other non-commercial purposes is authorised without prior permission from the copyright holder.

Reproduction for resale or other commercial purposes is prohibited without the prior written permission of the copyright holder.

Citation: IUCN (1990). *1990 IUCN Red List of Threatened Animals*. IUCN, Gland, Switzerland and Cambridge, U.K. 228 pp.

ISBN: 2-8317-0031-0

Printed by: Page Bros (Norwich) Ltd., U.K.

Cover photo: Partula snail by Simon Tonge of the Jersey Wildlife Preservation Trust.

Cover design by: IUCN Publications Services Unit

Compiled by: Jane Thornback, Crawford Allan, and Patricia Almada-Villela, with assistance from Rosina Abudulai, Brian Groombridge, Tim Inskipp, Allan Mackenzie, Duncan Mackinder, Nick Phillips, and Martin Sneary.

Available from: IUCN Publications Services Unit
219c Huntingdon Road, Cambridge CB3 0DL, U.K.

The designations of geographical entities in this book, and the presentation of the material, do not imply the expression of any opinion whatsoever on the part of IUCN or WCMC concerning the legal status of any country, territory, or area, or of its authorities, or concerning the delimitation of its frontiers or boundaries.

CONTENTS

	Page
Foreword	vii
Introduction	ix
Guest Essay	xi
Inventory Report Form	xvii
Documents on which the IUCN Red List is based	xix
Taxonomy	xxi
IUCN Threat Category Definitions	xxiii
List of Abbreviations	xxiv

Threatened Species List

Mammals	1
Birds	30
Reptiles	73
Amphibians	81
Fishes	85
Invertebrates (non insects)	106
Insects	135
Index	179

FOREWORD

The Red List of species threatened with extinction is an international bulletin board alerting people to particulars of the diminishment of biodiversity worldwide. It is a very incomplete list, for, as Bruce Wilcox indicated in the last edition of the Red List, there are likely millions of inconspicuous species that are unclassified and that likely will be extinct before we know them scientifically. Nevertheless, the Red List and the Red Data Books of IUCN – the World Conservation Union, have served to stimulate many countries to assess the conservation status of their floras and faunas more extensively and completely. In response, laws and regulations to protect and conserve endangered species have been instituted nationally and internationally. There have also resulted more programmes to rescue endangered species under the protection of national parks, reserves, zoological parks, aquariums, and botanical gardens. And more habitat restoration and species reintroductions are now underway.

Yet catastrophic extinction waves are still before us if current practices and growth of human populations continue. The advent of a world convention or treaty on the conservation of biological diversity under the aegis of IUCN and the United Nations Environment Program is therefore a timely and much needed development to help stem the extinction tide. The member governments and organizations of IUCN should attend as rapidly and closely as possible to this opportunity to promote more effective conservation of living natural resources globally.

The principal users of this slim volume are no doubt already concerned or involved in aspects of species and habitat conservation. Yet all may not be aware of the complementary work of the IUCN to galvanize conservation efforts on behalf of Red List and other species. The reference here is to the Action Plan programme of IUCN's Species Survival Commission, which is a comprehensive scheme to specify the conservation status, priorities, and actions needed for many groups of plants and animals. Fifteen such plans by SSC Specialist Groups have been published, and several more are in preparation. Also in publication is a regional action plan for Sub-Saharan Africa compiled by Simon Stuart.

It is our hope that implementation of the SSC Action Plans can and will be followed by governments and non-governmental organizations, aided and assisted where possible by the SSC volunteer network of experts. Great encouragement of the overall Action Plan programme has been received this year through the Peter Scott Memorial Appeal. A generous gift from the Government of Oman will foster continuing preparation of the plans and first steps in implementation of those that have been completed. It is, of course, very fitting that Sir Peter Scott be remembered in this way, for he was the founder of the Species Survival Commission, the Red Data Books, and the Action Plan idea. There is a clear challenge to us to be as thoughtful and creative in continuing the work that he started.

In carrying on, the SSC has undertaken to re-examine the traditional categories used in classifying the conservation status of species. There is consequently now a study by Georgina Mace and Russell Lande examining extinction danger from the standpoint of population biology. There will be other studies relating to this question, including an attempt to rate extinction risks from causative human

activities. In this way, future Red Lists may become increasingly precise and compelling as they succinctly signal the condition of the world's heritage of species. Meanwhile, we must take up the cause of whole groups of species whose existence is suddenly imperilled – amphibians and sharks are immediate examples, with very different causational factors implicated.

Another approach to priorities in the conservation of biodiversity is identifying places rich in species and concentrating action on preservation and protection of these areas, labelled "hot spots" by Norman Myers. Recently, Russell Mittermeier has extended this idea to the political geography of the world and identified megadiversity countries that deserve focussed conservation attention. A suggested Green List of species important ecologically, evolutionarily, or economically may be another worthwhile venture. Such initiatives as well as the Red List are all valuable in reinforcing the message that people and their governments must act *now* if we are to conserve the world's natural heritage.

In closing, it is appropriate to acknowledge the extraordinary effort made by Jane Thornback in compiling this and previous Red Lists. It is also fitting to note that such labour and the expenses of producing the Red List, the Red Data Books, the SSC Action Plans, and related publications will be in vain unless conservationists of all kinds work to see that there are indeed adequate responses to the warnings of irrevocable losses of species that these publications provide. May this book's readers so commit themselves for the benefit of future generations.

George B. Rabb
Chairman, Species Survival Commission
IUCN, The World Conservation Union

INTRODUCTION

The *IUCN Red List of Threatened Animals* is a list of those taxa known by IUCN to be threatened with extinction. It complements the IUCN Red Data Books and the IUCN Species Action Plans, both of which contain more detailed information on the conservation status of species.

IUCN'S threatened animal list is compiled and maintained for IUCN by the World Conservation Monitoring Centre (WCMC) with the assistance of the International Council for Bird Preservation (ICBP). The list is published periodically. For each threatened taxon, the list includes its scientific name, english common name, IUCN threat category and a brief description of its distribution.

The threatened species list is based on information provided by numerous scientists and naturalists working in the field. The information may arrive at IUCN in the form of published and unpublished reports, books and correspondence. Much of the information is collated together by the Species Specialist Groups of IUCN's Species Survival Commission (SSC) and the Working Groups of the ICBP.

The threat category assigned to a species is determined by a review of the factors impinging on a species and the extent of the effect that these are having. Key factors that are examined include the change in distribution, change in numbers, degree and type of threat, population biology of the species and the level of conservation commitment and resources that the species is likely to benefit from. Currently, IUCN is reviewing new methods of assigning species threat categories.

The number of threatened taxa identified by IUCN is just over 5000, comprised of 698 mammals, 1047 birds, 191 reptiles, 63 amphibians, 762 fishes and 2250 invertebrates. Except for birds, for which ICBP have now attempted a global review, these numbers represent only those taxa known by IUCN to be threatened. Many, many more taxa are threatened, many of them as yet undescribed by science. The number of taxa listed in the Red List is therefore only a fraction of the numbers it might be. Biodiversity in all its forms is being lost at a rate far exceeding that of any earlier extinction phase. Added to the major threats of habitat loss and overexploitation must now be added the impending threat of climate change. This will have a far reaching effect on conservation of biodiversity since the role of national parks and protected areas will be undermined especially with regard to plant and invertebrate conservation.

The IUCN threatened species list is constantly under review, with changes arising as new studies are undertaken or as previously unreviewed groups are examined by conservationists. Any relevant information on the status of species should be sent to IUCN or WCMC:

Red List Inventory
World Conservation Monitoring Centre
219c Huntingdon Road, Cambridge CB3 0DL
United Kingdom

Fax: 0223 277136

GUEST ESSAY

THE ROLE OF CAPTIVE BREEDING IN THE CONSERVATION OF SPECIES

Nathan R. Flesness and Tom J. Foose

We have borrowed the Earth from our children, and are defaulting on the loan. Their planet will have less ability to sustain life, and less ability to sustain wonder.

There is understandable disagreement as to just exactly how many million fewer species there will be. Whatever the total, whatever terms used to measure it, we are witnessing a very rare event – a large scale reduction in the life forms on Earth. Such a loss of *kinds* of life seems to have happened only a few times in the last billion years, perhaps associated with the rare and catastrophic collision of Earth and a large meteor. Now, of course, we are seeing the catastrophic collision of Earth with an unprecedentedly large and powerful human population.

With such grand and terrible events going on, with a scale in the millions, what is the possible role of captive breeding programs for one or two thousand species?

One answer comes from the non-random pattern of the extinctions we are seeing. Though we are losing many uniquely adapted mice species, "mice" as a broad guild of creature, will certainly survive the next century or two. So will fox and coyote, thanks in part to the mice. But the larger carnivores – the grizzly, the tiger, the lion, the condor, the crocodile and crane, need larger and wilder space. Most such species are or will be at risk. The large herbivores – the rhino, elephants, desert antelopes, etc. not only need large areas of habitat but are commonly eliminated by human activity even before their habitat is. High cash value wild plants, such as orchids or exotic tropical hardwood trees are disappearing because of excessive harvest, not herbivores. Life forms that are large, slow-reproducing, insular, specialized for climax ecosystems, or have high cash value of harvest, are much less likely to be a part of the future ecology of the planet.

Sadly, we will lose more species of mice in the future, but not all mice. The same is true a thousand-fold for beetles. But we may lose *all* the rhino, and many or most of the broad group of wild mammals over 25kg or so. Similar perspectives but with different thresholds apply to birds, herps, fish, invertebrates, and plants. Humans naturally have often interacted deeply with life-forms that are very visible (birds, for example) or are within an order of magnitude of our own size. Loss of any species is a tragedy, but the larger forms – the elephant, buffalo, wolf, crane, and so on, have played particularly important roles in human ecology and culture. Many such species are, have been, and could again become important economically when we finally and inevitably make the transition to a sustainable society. Moreover, many such organisms have a special role in the heritage of peoples, or are of special religious importance. Or, *in extremis*, as phrased by Bill Conway, "Are not some creatures so marvellous and so important to our concept of Earth that they should be preserved when all traces of their evolutionary homes are gone?".

Tabulations by the World Conservation Monitoring Centre indicate that 3.7% of the land area of the Earth is now protected. Most of the rest is or will be developed or managed for human purposes so intensively that biological diversity will be greatly reduced. Some of the 3.7% is protected only on paper, some of it is under visitor parking lots. Because our species reserves 96% of the land surface for our own direct utilization, we had best learn or relearn ways to retain diversity in these unprotected areas as well.

The emerging science of Conservation Biology has provided a crude tool – Population Viability Analysis – to help evaluate persistence probabilities of populations over time, and to help rank and quantify both the various risks to survival, and the impacts of potential protective measures. When this PVA tool is applied to problem species, the answer most often produced is that not enough "wild" is left, that the species of interest is at risk from a combination of deterministic and stochastic factors, and at greater risk than our intuition expected. Setting aside 3.7% of the earth to protect life in general will not suffice, especially for large and top-of-the-food-chain creatures. We *must* protect more habitat, but often there is none left to protect outside of existing reserves.

Most habitat protection has necessarily been opportunistic. Many protected areas are now being found inadequate for the longer term. Often the "flagship" taxon, in whose name the area was initially protected does not have a reasonable chance of surviving in the area over time spans of the next century or two.

So why captive breeding? Aldo Leopold answered this with a striking aphorism – "the first rule of intelligent tinkering is to save all the pieces". Human activity, or tinkering, scores dismally on this intelligence test. The sum total of all our conservation activities (enormously smaller than our development activities) is failing to save anywhere near *all* of the pieces. The stakes have come down to saving *some* of the pieces.

Captive breeding can buy time. Time to correct a management error, time to stop human over-exploitation, time even to practice restoration ecology and restore some habitats – for which you need the pieces (species). Surely, re-introduction science and restoration ecology will themselves continue to make progress. In the most desperate cases, captive breeding can preserve valuable and fascinating living monuments to a wild that once was – time for our descendants to at least marvel at life, not just stuffed and ageing skins. In better cases, captive breeding may help buy time by augmenting an ongoing "wild" population which is too small to have a good chance of persistence without supplementary reservoir of both individuals and genes. In other cases, extinction of wild populations will someday be followed by complete re-introduction from captive-bred and sustained populations. Such programs have been accomplished in the past and have an even better chance in the future now that serious science and science-based patience are applied.

Some of course disagree, arguing instead that species cannot or should not be maintained *ex situ*. Such views would deny preservation and conservation options to all future generations. It is hard not to see this as profoundly arrogant.

The world's two bison species are historical examples of the role which captive breeding can play. The American bison (*Bison bison*) were reduced by Caucasian settlement from an estimated initial 60,000,000 to less than 1,000 by 1889. The

magnificent animals that today roam several protected areas in the American West were re-established beginning in 1907 with stock intentionally bred for this purpose at the Bronx Zoo (a wild remnant population estimated at 200 did survive in the then-new Yellowstone National Park). The equally magnificent European bison, or wisent (*Bison bonasus*) was *completely* exterminated in the wild in 1921, but was bred in zoos starting from 12 animals in 1913. Zoo bred stock was successfully re-introduced in 1956 into the remaining wild – the Bialoweiza Park – on the border of Poland and the U.S.S.R, where these animals thrive today.

Another important historical example is the Mongolian wild horse (*Equus przewalski*). A zoo population was established 1898-1900, with one additional wild-caught animal added in 1947. The species subsequently became extinct in the wild. Plans for re-introduction from zoo stock are now developing in Mongolia, China, and the U.S.S.R. What remains of this species has been sustained in captivity for as many as 14 generations.

In more recent years, two major improvements have occurred in the application of captive breeding to species preservation and conservation problems. One advance is the development and application of serious science to the re-introduction process. Though early efforts were occasionally successful, as mentioned above, most re-introductions were very casual in methodology and very mediocre in results. Modern approaches are exemplified by the Arabian oryx (*Oryx leucoryx*) which was hunted to extinction in the early 1970s but rescued by zoo-based captive breeding, then very successfully and scientifically re-introduced into Oman with the sponsorship of the Omani royal family under the leadership of Mark Stanley-Price. This species has since been re-introduced into another part of its original range, in Jordan. These experiences have led to an active IUCN/SSC/Re-introduction Specialist Group. Similarly serious scientific approaches are being taken in planning re-introductions of both the California condor (*Gymnogyps californianus*) and the Black-footed ferret (*Mustela nigripes*). Both of these are now extinct in the wild. After controversy delayed capture of the last several wild individuals of each, both are now successfully breeding in captivity. The high fecundity ferrets should be back in the wild less than a decade after their extinction. Captive breeding is being applied in numerous other cases as one tool to help in re-establishing species in areas from which they have been extirpated.

The second major advance is the development of cooperative national, regional, and international conservation management plans for zoo populations of important taxa. From early beginnings in the Anthropoid Ape Advisory Panel and Joint Management of Species Group in the United Kingdom and the development of the Species Survival Plans (SSP) by the American Association of Zoological Parks and Aquariums a decade ago, these cooperative captive conservation programs have expanded to include the Europaiesches Erhaltungszucht Program (EEP) program in zoos in Europe, Species Management Program (SMP) in Australasian zoos, developing programs in the Japanese Association of Zoological Gardens and Aquaria, and elsewhere. Over 150 taxa of all classes of vertebrates as well as the invertebrate genus *Partula* (endemic land snails of Moorea, now extinct in the wild) are now managed cooperatively by groups which total about 400 institutions (about half of the world's recognized zoos and aquariums). These programs use detailed population datasets (both individually-compiled studbooks and the International

Species Information System (ISIS) zoo database network) and contemporary population-and-conservation-biology analysis to support explicit conservation goals. Prime goals are retention of genetic diversity and maintenance of demographic stability (at the right time, generation of surplus for re-introduction). New programs, and coordination and linkage of existing national and regional programs, are being developed through the very active IUCN/SSC/Captive Breeding Specialist Group.

IUCN has already recognized the logic and contributions of captive breeding in the published IUCN Policy Statement on Captive Breeding, 4 Sept. 1987. This document makes the important point that captive breeding programs should be initiated when the wild population is still in the thousands. All too typically, as in the ferret and condor cases, captive options have been resisted until the wild population is less than 20(!), genetic erosion has already begun, the population is at maximum risk and there is no room or time for error, or for learning captive husbandry requirements.

Captive breeding is likely to buy time mostly for megafauna and attractive flora, as there are pre-existing institutions (and publics) interested in them and increasingly dependent on their propagation. Zoological gardens worldwide plan to expand from the 150 species now involved in multi-institution coordinated breeding programs, to perhaps 1,000 species. Botanical gardens are developing programs which may match or exceed this number.

Beyond the fact that the megafauna as a whole is uniquely threatened, captive propagation itself has disproportionate impact. The reasons are multiple:

- The public cares, and cares most about what it can see close to home. This care can be mobilized over time to change laws to better protect habitats and their occupants, protect more areas, even start habitat-restoration projects. Zoological and botanical exhibits of living creatures contribute substantially to nurturing emotional bonds between wild species and urban humans. Captive breeding of species at risk draws further powerful attention – people see the threatened "flagship" creature or plant in television or printed news media and can often go see it in person (or live on videocamera) at the nearby breeding zoo or garden. We are in the early stages of learning to harness this resource, but such attention has already been used to change detrimental laws (Bison, Black footed ferret), acquire and protect new habitat areas (Red wolf, innumerable Nature Conservancy areas) and even start ecosystem restoration projects (Round Island, Mauritius, St Helena).
- The megafauna has large ecological impact. Even though other taxa may have higher total body mass per hectare, megafaunal species often have major effects on succession and patchiness of habitats. If we don't save these pieces for future restored ecosystems, we may have to build robots to emulate their "keystone" roles.
- The megafauna requires the most room. Mobilizing public interest in them generates pressure for adequate wild habitat – areas large enough to operate as at least partially functional ecosystems and large enough to protect innumerable other taxa which can quietly thrive under their megafaunal "umbrella".

It is imperative that zoological and botanical institutions and other specialized facilities continue to increase their focus on threatened taxa. Broad scale review of taxa in need of captive propagation, institutional holdings and capacity, and demonstrated captive-breeding competence, is now being carried out as an integral part of the development of IUCN/SSC Action Plans. The collective zoological capacity is about 560,000 live specimens (International Zoo Yearbook, Vol. 26). Considerable collective competence with thousands of species is in hand. For example, ISIS data indicate that 92% of new zoo mammals are bred in captivity. Captive propagation facilities are developing, and must sustain, genetically and demographically sound captive-bred populations of hundreds, perhaps thousands, of wisely selected taxa. This role is well beyond that imagined when most of these institutions were established, and is beyond that even understood today by many of their funding sources. Nevertheless these programs are making increasingly real contributions to preserving some of the Earth's living heritage.

There will not be a single solution to the biodiversity crisis – it is simply too overwhelming. With luck there will be lots of little answers, each tapping different resources not available to the others, each contributing different pieces to a patchwork solution. This 1990 IUCN Red List identifies species known to be of special concern. Surely we want the readers of the 2000 IUCN Red List and the 2100 IUCN Red List, to find very few additional species marked Ex-extinct. In increasingly many cases, captive breeding is the only way we can keep this from happening.

Nathan Flesness and Tom Foose
IUCN/SSC Captive Breeding Specialist Group
12101 Johnny Cake Ridge Road, Apple Valley
Minnesota 55124-8199, USA

INVENTORY REPORT FORM

Report to be mailed to Species Inventory Project, The World Conservation Monitoring Centre, 219(c) Huntingdon Road, Cambridge, CB3 0DL, U.K.

1. Country

2. Date

3. Reporter

Name:

Address:

4. Taxon

Scientific Name:

Common Name:

5. Distribution

Present:

Former:

If possible, please include a map. Is present range preferred or enforced habitat?

6. Population

Estimated numbers in the wild. Indicate date of estimate and describe method of estimation. Are numbers increasing, decreasing or stable?

7. Habitat and Ecology

Biome type. Elevation range. Brief notes about social structure, feeding habits and diet, reproduction (gestation, breeding season, number of young, age of sexual maturation), longevity etc.

8. Scientific interest and potential value

Use in scientific or medical research; commercial value in trade or local economy.

9. Threats

E.g. habitat destruction, over-exploitation, hybridization, natural disasters, competition for food, introductions.

10. Conservation Measures Taken

Legal measures (international conventions, national laws); is law enforced? Protected areas – does it occur in national parks, reserves etc.? If so, please list. Management programmes or research programmes in progress.

11. Conservation Measures Proposed

Same as for 10, but measures that are needed for the conservation of the taxon.

12. Captive Breeding

Numbers in captivity – use ISIS or International Zoo Yearbook. Does it breed readily in captivity?

13. Remarks

Reference citations for description of animal. Comments about related taxa. If the above information concerns a subspecies then brief information should be given about the distribution and status of the species as a whole. Special acknowledgements *etc.*

14. References

Can be published papers, unpublished manuscripts, or references to correspondence (cited as *In litt.*).

DOCUMENTS ON WHICH THE IUCN RED LIST IS BASED

The listing of species in the IUCN Red List of Threatened Animals is based on the information contained in the publications listed below, and on the advice and guidance of the Species Specialist Groups of the IUCN Species Survival Commission. The IUCN/SSC has published recently numerous Species Action Plans which contain extensive information on the conservation status of species. The listings of threatened birds are provided by the International Council for Bird Preservation (ICBP).

Mammals

- Goodwin, H.A. and Holloway, C.W. (1972). *Red Data Book, Vol. 1 – Mammalia*. Second Edition. IUCN, Morges. (Revisions: 1973 and 1974 by Goodwin, H.A. and Holloway, C.W.; 1976 by Fitter, R.S.R. and Holloway, C.W.; and 1978 by Thornback, J.).
- Thornback, J. and Jenkins, M. (1982). Terrestrial Mammals. Part VII. In: *Threatened Species of Wild Flora and Vertebrate Fauna*. Report to the Commission of the European Communities. The Nature Conservancy Council, Great Britain.
- Thornback, J. (1984). Wild Cattle, Bison and Buffaloes; their status and potential value. Report to UNEP. IUCN Conservation Monitoring Centre.
- Thornback, J. and Jenkins, M. (1982). *The IUCN Mammal Red Data Book. Part 1. The Americas and Australasia*. IUCN, Gland.

Birds

- Collar, N.J. and Andrew, P. (1988). *Birds to Watch*. The ICBP World Checklist of Threatened Birds. ICBP Technical Publication No. 8. International Council for Bird Preservation.

Amphibians and Reptiles

- Groombridge, B. (1982). *The IUCN Amphibia-Reptilia Red Data Book. Part 1, Testudines, Crocodylia, Rhynchocephalia*. IUCN, Gland.
- Groombridge, B. (1982). Amphibians and Reptiles. Part IV. In: *Threatened Species of Wild Flora and Vertebrate Fauna*. Report to the Commission of the European Communities. The Nature Conservancy Council, Great Britain.
- Honneger, R. (1975/1979). *Red Data Book, Vol. 3 – Amphibia and Reptilia*. Second Edition. IUCN, Gland.

Fishes

- Harris, J.H. (Ed.) (1987). Proceedings of the Conference on Australian Threatened Fishes. Australian Society for Fish Biology. Melbourne 15-16 August 1985. Division of Fisheries, Department of Agriculture New South Wales. Sydney. 70 pp.

- Michaelis, F.B. (1985). Threatened fish. A Report on the threatened fish of inland waters in Australia. Australian National Parks and Wildlife Service Report 3. 45 pp.
- Miller, R.R. (1977). *Red Data Book, Vol. 4 – Pisces*. Second Edition. IUCN, Morges.
- Miller, R.R., Williams, J.D. and Williams, J.E. (1989). Extinctions of North American Fishes during the Past Century. *Fisheries* 14(6): 2-20.
- Skelton, P.H. (1987). *South African Red Data Book Fishes*. South African National Scientific Programmes Report 137. 19 pp.
- Williams, J.E., Johnson, J.E., Hendrikson, D.A., Contreras-Balderas, S., Williams, J.D., Navarro-Mendoza, M., McAllister, D.E., and Deacon, J.E. (1989). Fishes of North America: Endangered, Threatened, or of Special Concern: 1989. *Fisheries* 14(6): 2-20.

Invertebrates

- Collins, N.M. and Morris, M.G. (1985). *Threatened Swallowtail Butterflies of the World. The IUCN Red Data Book*. IUCN, Gland and Cambridge.
- Collins, N.M. and Wells, S.M. (1986). Insects and other Invertebrates as Candidates for the Berne Convention. A Report to the Council of Europe. IUCN Conservation Monitoring Centre.
- IUCN/SSC Mollusc Specialist Group (1987). Action Plan for Molluscan Conservation: 1988-1992. 32 pp.
- U.S. Department of the Interior. (1984). Endangered and Threatened Wildlife and Plants; Review of Invertebrate Wildlife for Listing as Endangered or Threatened Species. *Federal Register* 49(100): 21664-21675.
- Wells, S.M., Pyle, R.M. and Collins, N.M. (1983). *The IUCN Invertebrate Red Data Book*. IUCN, Gland.

TAXONOMY

The systems of classification and nomenclature principally follow the under-mentioned authors.

Mammals

- Cabrera, A. (1957-61). Catalogo de los mamiferos de America del Sur. *Rev. del Mus. Argent. de Cienc. Nat. "Bernardino Rivadavia"* Cienc. Zool. 4(1,2): 1-732.
- Corbet, G.B. and Hill, J.E. (1980). *A World List of Mammalian Species*. British Museum (Natural History) and Cornell University Press.
- Hall, E.R. and Kelson, K.R. (1959). *The Mammals of North America*. Ronald Press Co., New York.
- Honacki, J.H., Kinman, K.E. and Koepl, J.W. (1982). *Mammal Species of the World: a taxonomic and geographic reference*. Allen Press Inc. and the Association of Systematics Collections, Kansas.
- Lovari, S. (1987). Evolutionary aspects of the biology of chamois, *Rupicapra* spp. (Bovidae, Caprinae). In: Soma, H. (Ed.), *The Biology and Management of Capricornis and related Mountain Antelopes*. Croom Helm, London. Pp 51-61.
- Meester, J. and Setzer, H.W. (Eds) (1971). *The Mammals of Africa: an Identification Manual*. Smithsonian Institution Press, City of Washington.
- Ride, W.D.L. (1970). *A Guide to the Native Mammals of Australia*. Oxford University Press, Melbourne.

Birds

- Morony, J.J., Bock, W.J. and Farrand, J. (1975). *Reference List of the Birds of the World*. American Museum of Natural History, New York.

Reptiles

- Groombridge, B. (1983). *World Checklist of Threatened Amphibians and Reptiles*. Fourth Edition. Nature Conservancy Council, London.
- Iverson, J.B. (1986). *A Checklist with Distribution Maps of the Turtles of the World*. Privately Printed. Paust Printing, Richmond, Indiana.
- Wermuth, H. and Mertens, R. (1977). Testudines, Crocodylia, Rhynchocephalia. *Das Tierreich* 100: 1-174.

Amphibians

- Frost, D.T. (1985). *Amphibian Species of the World: A Taxonomic and Geographical Reference*. Allen Press and the Association of Systematics Collections, Lawrence, Kansas. I-V, 1-732.

Fishes

- Greenwood, P.H. (1979). Towards a phyletic classification of the "genus" *Haplochromis* (Pisces, Cichlidae) and related taxa. Part 1. *Bulletin of the British Museum (Natural History) Zoology Series* 35(4): 265-322.
- Kottelat, M. (1988). Indian and Indochinese species of *Balitora* (Osteichthyes: Cypriniformes) with descriptions of two new species with comments on the family-group names Balitoridae and Homalopteridae. *Revue suisse zoologie* 95: 487-504.
- Nelson, J.S. (1984). *Fishes of the World*. Second Edition. John Wiley and Sons, New York, Chichester, Brisbane, Toronto, Singapore.
- Parenti, L.R. (1981). A phylogenetic and biogeographic analysis of cyprinodontiform fishes (Teleostei, Atherinomorpha). *Bulletin of the American Museum of Natural History* 168(4): 335-557.
- Robins, C.R., Bailey, R.M., Bond, C.E., Brooker, J.R., Lachner, E.A., Lea, R.N., Scott, W.B. (1980). *A List of Common and Scientific Names of Fishes from the United States and Canada*. Fourth Edition. American Fisheries Society Special Pbln. No. 12.
- Rosen, D.E. and Parenti, L.R. (1981). Relationships of *Oryzias* and the groups of Atherinomorph fishes. *American Museum Novitates* 2719: 1-25.
- Trewavas, E. (1983). *Tilapiine Fishes of the genera Sarotherodon, Oreochromis and Danakila*. British Museum (Natural History), London. 583 pp.

Invertebrates

- Hancock, D.L. (1983). Classification of the Papilionidae (Lepidoptera): a phylogenetic approach. *Smithersia* 2: 1-48.
- Parker, S.B. (1982). *Synopsis and Classification of Living Organisms*. McGraw-Hill, New York.

IUCN THREATENED SPECIES CATEGORIES

Species identified as threatened by IUCN are assigned a category indicating the degree of threat. Definitions are as follows:

EXTINCT (Ex)

Species not definitely located in the wild during the past 50 years (criterion as used by the Convention on International Trade in Endangered Species of Wild Fauna and Flora).

N.B. On a few occasions, the category Ex? has been assigned; this denotes that it is virtually certain that the taxon has recently become extinct.

ENDANGERED (E)

Taxa in danger of extinction and whose survival is unlikely if the causal factors continue operating.

Included are taxa whose numbers have been reduced to a critical level or whose habitats have been so drastically reduced that they are deemed to be in immediate danger of extinction. Also included are taxa that may be extinct but have definitely been seen in the wild in the past 50 years.

VULNERABLE (V)

Taxa believed likely to move into the "Endangered" category in the near future if the causal factors continue operating.

Included are taxa of which most or all the populations are decreasing because of over-exploitation, extensive destruction of habitat or other environmental disturbance; taxa with populations that have been seriously depleted and whose ultimate security has not yet been assured; and taxa with populations that are still abundant but are under threat from severe adverse factors throughout their range.

N.B. In practice, "Endangered" and "Vulnerable" categories may include, temporarily, taxa whose populations are beginning to recover as a result of remedial action, but whose recovery is insufficient to justify their transfer to another category.

RARE (R)

Taxa with small world populations that are not at present "Endangered" or "Vulnerable", but are at risk.

These taxa are usually localised within restricted geographical areas or habitats or are thinly scattered over a more extensive range.

INDETERMINATE (I)

Taxa *known* to be "Endangered", "Vulnerable" or "Rare" but where there is not enough information to say which of the three categories is appropriate.

INSUFFICIENTLY KNOWN (K)

Taxa that are *suspected* but not definitely known to belong to any of the above categories, because of lack of information.

K* Taxa which are currently under review by ICBP and which will be designated a category in the near future.

THREATENED (T)

Threatened is a general term to denote species which are "Endangered", "Vulnerable", "Rare", "Indeterminate", or "Insufficiently Known" and should not be confused with the use of the same term by the U.S. Office of Endangered Species. In this volume it is also used to identify taxa comprised of several sub-taxa which have differing status categories.

COMMERCIALLY THREATENED (CT)

Taxa not currently threatened with extinction, but most or all of whose populations are threatened as a sustainable commercial resource, or will become so, unless their exploitation is regulated.

This category applies only to taxa whose populations are assumed to be relatively large.

N.B. In practise, this category has only been used for marine species of commercial importance that are being overfished in several parts of their ranges.

ABBREVIATIONS

Arch.	Archipelago
Eq. Guinea	Equatorial Guinea
F.R.G.	Federal Republic of Germany
F.S.M.	Federated States of Micronesia
I.	Island
Is	Islands
O.	Ocean
sp.	Unnamed species
U.A.E.	United Arab Emirates
U.K.	United Kingdom
U.S.A.	United States of America
U.S.S.R.	Union of Soviet Socialist Republics
□	Former Distribution
*	An important, introduced population

**1990 IUCN RED LIST
OF THREATENED ANIMALS**

MAMMALS

Phylum CHORDATA

Class MAMMALIA

Order MONOTREMATA

Family Tachyglossidae

Zaglossus bruijini

V New Guinea

Order MARSUPIALIA

Family Macropodidae

Bettongia lesueur

Bettongia penicillata

Caloprymnus campestris

Dendrolagus dorianus notatus

Dendrolagus goodfellowi shawmayeri

Dorcopsis atrata

Dorcopsulus macleayi

Lagorchestes asomatus

Lagorchestes hirsutus

Lagorchestes leporides

Lagostrophus fasciatus

Macropus greyi

Onychogalea fraenata

Onychogalea lunata

Petrogale persephone

Potorous longipes

Potorous platyops

Burrowing Bettong
Brush-tailed Bettong
Desert Rat-kangaroo
Doria's Tree-kangaroo
Goodfellow's Tree-kangaroo
Black Dorcopsis Wallaby
Papuan Dorcopsis
Central Hare-wallaby
Rufous Hare-wallaby
Eastern Hare-wallaby
Banded Hare-wallaby
Toolache Wallaby
Bridled Naitail Wallaby
Crescent Naitail Wallaby
Proserpine Rock-wallaby
Long-footed Potoroo
Broad-faced Potoroo

R Australia
E Australia
I Australia
V New Guinea
V Papua New Guinea
R Papua New Guinea
R Papua New Guinea
Ex [Australia]
R Australia
Ex [Australia]
R Australia
Ex Australia
E Australia
E Australia
Ex [Australia]
R Australia
I Australia
Ex [Australia]

Family Phalangeridae

Phalanger lullulae

Woodlark Island Cuscus

E Woodlark I. (Papua New Guinea)

Phalanger pernixtio

Phalanger rufoniger

Phalanger vestitus

R Papua New Guinea
R New Guinea
R New Guinea

- Family Petauridae

Gymnobelideus leadbeateri

Family Vombatidae

Lasiorhinus krefftii

Family Peramelidae

Chaeropus ecaudatus
Echymipera clara
Perameles bougainville
Perameles eremiana

Family Thylacomyidae

Macrotis lagotis
Macrotis leucura

Family Dasyuridae

Antechinus apicalis
Phascogale calura
Sminthopsis douglasi
Sminthopsis longicaudata
Sminthopsis psammophila

Family Myrmecobiidae

Myrmecobius fasciatus

Family Thylacinidae

Thylacinus cynocephalus

Leadbeater's Possum	V	Australia
Northern Hairy-nosed Wombat	E	Australia
Pig-footed Bandicoot	Ex	[Australia]
White-lipped Bandicoot	R	New Guinea
Western Barred Bandicoot	R	Australia
Desert Bandicoot	Ex	[Australia]
Greater Bilby	E	Australia
Lesser Bilby	Ex	[Australia]
Dibbler	I	Australia
Red-tailed Phascogale	I	Australia
Julia Creek Dunnart	I	Australia
Long-tailed Dunnart	K	Australia
Sandhill Dunnart	K	Australia
Numbat	E	Australia
Thylacine	Ex	[Tasmania]

Order INSECTIVORA
 Family Solenodontidae
Solenodon cubanus
Solenodon paradoxus

Cuban Solenodon
 Haitian Solenodon

E
 E

Cuba
 Hispaniola

Family Tenrecidae

- Geogale aurita aurita*
- Geogale aurita orientalis*
- Limnogale mengulus*
- Microgale breviceaudata*
- Microgale crassipes*
- Microgale drouhardi*
- Microgale gracilis*
- Microgale longicaudata*
- Microgale longirostris*
- Microgale majori*
- Microgale melanorrhachis*
- Microgale occidentalis*
- Microgale parvula*
- Microgale principula*
- Microgale proluxacaudata*
- Microgale pulla*
- Microgale sorella*
- Microgale taiva*
- Microgale thomasi*

Large-eared Tenrec
 Eastern Large-eared Tenrec
 Aquatic Tenrec
 Short-tailed Shrew-tenrec
 Large-footed Shrew-tenrec
 Drouhard's Shrew-tenrec
 Gracile Shrew-tenrec
 Lesser Long-tailed Shrew-tenrec
 Long-nosed Shrew-tenrec
 Major's Lesser Long-tailed Shrew-tenrec
 Striped Shrew-tenrec
 Western Short-tailed Shrew-tenrec
 Pygmy Shrew-tenrec
 Greater Long-tailed Shrew-tenrec
 Northern Lesser Long-tailed Shrew-tenrec
 Dark Pygmy Shrew-tenrec
 Long-tailed Shrew-tenrec
 Taivi Shrew-tenrec
 Thomas's Shrew-tenrec

K
 I
 I
 K
 K
 K
 K
 K
 K
 K
 K
 I
 K
 K
 K
 K

Madagascar
 Madagascar
 Madagascar
 Madagascar
 Madagascar
 Madagascar
 Madagascar
 Madagascar
 Madagascar
 Madagascar
 Madagascar
 Madagascar
 Madagascar
 Madagascar
 Madagascar
 Madagascar
 Madagascar

Family Potamogalidae
Micropotamogale lamottei
Micropotamogale ruwenzorii

Nimba Otter-shrew
 Ruwenzori Otter-shrew

E
 I

Guinea, Cote d'Ivoire, Liberia
 Uganda, Zaire

Family Chrysochloridae

<i>Amblysomus gunningi</i>	Gunning's Golden Mole	I	South Africa
<i>Amblysomus iris</i>	Zulu Golden Mole	I	South Africa
<i>Amblysomus julianae</i>	Juliana's Golden Mole	I	South Africa
<i>Chlorotalpa duthiae</i>	Duthie's Golden Mole	R	South Africa
<i>Chlorotalpa obtusirostris</i>	Yellow Golden Mole	R	Mozambique, Zimbabwe, South Africa
<i>Chlorotalpa sclateri</i>	Sclater's Golden Mole	I	South Africa
<i>Chlorotalpa tytonis</i>	Somali Golden Mole	I	Somalia
<i>Chrysochloris visagiei</i>	Visagie's Golden Mole	I	South Africa
<i>Chrysospalax trevelyani</i>	Giant Golden Mole	R	South Africa
<i>Chrysospalax villosus</i>	Rough-haired Golden Mole	V	South Africa
<i>Cryptochloris wintoni</i>	De Winton's Golden Mole	I	South Africa
<i>Cryptochloris zyli</i>	Van Zyl's Golden Mole	I	South Africa
<i>Eremitalpa granti</i>	Grants' Golden Mole	R	South Africa, Namibia

Family Erinaceidae

<i>Atelerix frontalis</i>	South African Hedgehog	R	Southern Africa
<i>Podogymnura truei</i>	Mindanao Gymnure	V	Philippines

Family Talpidae

<i>Desmana moschata</i>	Russian Desman	V	U.S.S.R.
<i>Galemys pyrenaicus</i>	Pyrenean Desman	V	France, Portugal, Spain

Family Soricidae

<i>Crocidura ansellorum</i>		K	Zambia
<i>Crocidura baileyi</i>		K	Ethiopia
<i>Crocidura congolensis</i>		K	Zaire
<i>Crocidura crenata</i>		K	Gabon
<i>Crocidura eisentrauti</i>		K	Cameroon
<i>Crocidura glawi</i>		K	Ethiopia
<i>Crocidura grisei</i>		K	Cameroon, C. African Rep., Gabon

<i>Crocidura kivuana</i>	K	Zaire
<i>Crocidura lanosa</i>	K	Rwanda, Zaire
<i>Crocidura latona</i>	K	Zaire
<i>Crocidura longipes</i>	K	Nigeria
<i>Crocidura lucina</i>	K	Ethiopia
<i>Crocidura ludia</i>	K	Zaire
<i>Crocidura manengubae</i>	K	Cameroon
<i>Crocidura maquassiensis</i>	K	South Africa, Zimbabwe
<i>Crocidura monax</i>	K	Kenya, Tanzania, Zaire
<i>Crocidura nimbae</i>	K	Guinea, Cote d'Ivoire, Liberia
<i>Crocidura odorata goliath</i>	Ex	[W. Africa]
<i>Crocidura phaeura</i>	K	Ethiopia
<i>Crocidura polia</i>	K	Zaire
<i>Crocidura raineyi</i>	K	Kenya
<i>Crocidura selina</i>	K	Uganda
<i>Crocidura stenocephala</i>	K	Zaire
<i>Crocidura tansaniana</i>	K	Tanzania
<i>Crocidura telfordi</i>	K	Tanzania
<i>Crocidura thalia</i>	K	Ethiopia
<i>Crocidura thomensis</i>	K	Sao Tome
<i>Crocidura usambarae</i>	K	Tanzania
<i>Crocidura wimmeri</i>	K	Cote d'Ivoire
<i>Crocidura zimmermanni</i>	K	Crete I. (Greece)
<i>Myosorex eisentrauti</i>	R	Cameroon, Eq. Guinea
<i>Myosorex geata</i>	K	Tanzania
<i>Myosorex longicaudatus</i>	K	South Africa
<i>Myosorex polli</i>	K	Zaire
<i>Myosorex schalleri</i>	K	Zaire
<i>Paracrocidura graueri</i>	K	Zaire
<i>Paracrocidura maxima</i>	K	Rwanda, Uganda, Zaire
<i>Suncus remyi</i>	K	Gabon
<i>Sylvisorex howelli</i>	K	Tanzania

Maquassie Musk Shrew

Giant African Forest Shrew

Long-tailed Forest Shrew

Gabon Dwarf Shrew

Sylvisorex ollula
Sylvisorex suncooides

Family Macroscelididae

Petrodromus tetradactylus sangi
Rhynchocyon chrysopygus
Rhynchocyon cirnei cirnei
Rhynchocyon cirnei hendersoni
Rhynchocyon petersi

K Cameroon, Gabon, Zaire
I Rwanda, Uganda, Zaire

Four-toed Elephant-shrew
Golden-rumped Elephant-shrew
Chequered Elephant-shrew
Chequered Elephant-shrew
Black-and-Rufous Elephant-shrew

K Kenya
V Kenya
K Mozambique
R Malawi
R Kenya, Tanzania, Pemba I., Zanzibar

Order CHIROPTERA

Family Pteropodidae

Acerodon lucifer
Alionycteris paucidentata
Aproteles bulmerae
Dobsonia exoleta chapmani
Dobsonia minor
Dyacopterus brooksi
Dyacopterus spadiceus
Latidens salimalii
Megaerops kusnotoi
Nyctimene rabori
Otopteropus cartilagonodus
Pteropus insularis
Pteropus livingstonei
Pteropus macrotis
Pteropus mariannus

Pteropus molossinus
Pteropus niger
Pteropus phaeocephalus
Pteropus pilosus

Panay Giant Fruit Bat

Bulmer's Fruit Bat
Chapman's Fruit Bat
Lesser Naked-backed Fruit Bat

Dayak Fruit Bat

Javan Tail-less Fruit Bat
Philippines Tube-nosed Fruit Bat

Truk Flying Fox
Comoro Black Flying Fox
Big-eared Flying Fox
Marianna Flying Fox

Pohnpei Flying Fox
Mauritian Flying Fox
Mortlock Flying Fox
Large Palau Flying Fox

Ex [Panay I. (Philippines)]
K Mindanao (Philippines)
K New Guinea
Ex? Negros I. (Philippines)
K Irian Jaya (Indonesia)
K Sumatra (Indonesia)
K Malaya, Borneo
K S. India
K Java (Indonesia)
E Negros I. (Philippines)
K Luzon (Philippines)
E Truk Is (F.S.M.)
E Comoro Is
I New Guinea, Aru Is
E N. Mariana Is, Palau, Caroline Is, Guam, Ryukyu Is
E Mortlock and Pohnpei Is (F.S.M.)
V Mauritius
E Mortlock Is (F.S.M.)
Ex [Palau I. (F.S.M.)]

<i>Pteropus rodricensis</i>	Rodrigues Flying Fox	E	Rodrigues
<i>Pteropus samoensis</i>	Samoaan Flying Fox	E	American Samoa, W. Samoa, Fiji
<i>Pteropus seychellensis aldabrensis</i>	Seychelles Flying Fox	V	Aldabra I. (Seychelles)
<i>Pteropus subniger</i>	Lesser Mascarene Flying Fox	Ex	[Mauritius, Reunion]
<i>Pteropus tokudae</i>	Guam Flying Fox	Ex	[Guam (U.S.A.)]
<i>Pteropus tonganus</i>	Insular Flying Fox	I	Karkar I. (New Guinea) to Samoa
<i>Pteropus voeltzkowi</i>	Pemba Flying Fox	E	Pemba I. (Tanzania)
Family Emballonuridae			
<i>Coleura seychellensis</i>	Seychelles Sheath-tailed Bat	E	Seychelles
<i>Emballonura furax</i>	Greater Sheath-tailed Bat	K	New Guinea
<i>Emballonura raffrayana</i>	Raffray's Sheath-tailed Bat	K	Seram I., New Guinea, Solomons
Family Craseonycteridae			
<i>Craseonycteris thonglongyai</i>	Kitti's Hog-nosed Bat	R	Thailand
Family Megadermatidae			
<i>Macroderma gigas</i>	Ghost Bat	V	N. Australia
Family Hipposideridae			
<i>Hipposideros papua</i>	Geelvinck Bay Leaf-nosed Bat	R	Biak I. (Indonesia)
<i>Hipposideros ridleyi</i>	Ridley's Leaf-nosed Bat	I	Singapore, Pen. Malaysia, Sabah
<i>Rhinonicteris aurantia</i>	Orange Leaf-nosed Bat	K	N. Australia
Family Phyllostomatidae			
<i>Leptoncycteris nivalis</i>	Mexican Long-nosed Bat	V	S. U.S.A. to Guatemala
<i>Leptoncycteris verbabuenae</i>	Little Long-nosed Bat	V	S. U.S.A. to El Salvador
<i>Phylloncycteris aphylla</i>	Jamaican Flower Bat	K	Jamaica
<i>Phylloncycteris major</i>	Puerto Rican Flower Bat	Ex?	Puerto Rico
<i>Phylloncycteris poeyi</i>	Cuban Flower Bat	K	Cuba, Hispaniola

Family Vespertilionidae

Kerivoula africana
Myzopoda aurita

Tanzanian Woolly Bat
Sucker-footed Bat

Ex?
V

Tanzania
Madagascar

Family Mystacinidae

Glischropus javanus
Lasiurus cinereus semotus
Myotis bartelsii
Myotis capaccinii
Myotis dasycneme
Myotis grisescens
Myotis hermani
Myotis myotis
Myotis sodalis
Plecotus townsendii

Javan Thick-thumbed Bat
Hawaiian Hoary Bat
Bartel's Myotis
Long-fingered Bat
Pond Bat
Grey Bat
Herman's Myotis
Mouse-eared Bat
Indiana Bat
Townsend's Big-eared Bat

K
I
K
V
K
E
R
K
V
I

Java (Indonesia)
Hawaii (U.S.A.)
Java (Indonesia)
Europe, S. Asia Minor, N.W. Africa
Europe to Siberia
U.S.A.
N.W. Sumatra (Indonesia)
Europe to Ukraine
U.S.A.
Canada, Mexico, U.S.A.

Family Molossidae

Mystacina robusta
Mystacina tuberculata
Otomops formosus

New Zealand Lesser Short-tailed Bat
New Zealand Greater Short-tailed Bat
Javan Mastiff Bat

Ex
V
K

[New Zealand]
New Zealand
Java (Indonesia)

Order PRIMATES

Family Cheirogaleidae

Allocebus trichotis
Mirza coquereli
Phaner furcifer

Hairy-eared Dwarf Lemur
Coquerel's Dwarf Lemur
Fork-marked Dwarf Lemur

E
V
R

Madagascar
Madagascar
Madagascar

Family Megaladapidae

Lepilemur dorsalis
Lepilemur edwardsi
Lepilemur leucopus

Grey-backed Sportive Lemur
Milne-Edwards' Sportive Lemur
White-footed Sportive Lemur

V
R
R

Madagascar
Madagascar
Madagascar

Lepilemur microdon
Lepilemur mustelinus
Lepilemur ruficaudatus
Lepilemur septentrionalis

Family Lemuridae

Hapalemur aureus
Hapalemur griseus alaotrensis
Hapalemur griseus griseus
Hapalemur griseus occidentalis
Hapalemur sinus
Lemur catta
Lemur coronatus
Lemur fulvus albifrons
Lemur fulvus albocollaris
Lemur fulvus collaris
Lemur fulvus fulvus
Lemur fulvus mayottensis
Lemur fulvus rufus
Lemur fulvus sanfordi
Lemur macaco
Lemur macaco flavifrons
Lemur mongoz
Lemur rubriventer
Varecia variegata

Family Indriidae

Avahi laniger
Indri indri
Propithecus diadema
Propithecus tattersalli
Propithecus verreauxi

Microdon Sportive Lemur
Weasel Sportive Lemur
Red-tailed Sportive Lemur
Northern Sportive Lemur

Golden Bamboo Lemur
Alaotran Gentle Lemur
Grey Gentle Lemur
Western Gentle Lemur
Greater Bamboo Gentle Lemur
Ring-tailed Lemur
Crowned Lemur
White-fronted Lemur
White-collared Lemur
Collared Lemur
Brown Lemur
Mayotte Lemur
Red-fronted Lemur
Sanford's Lemur
Black Lemur
Sclater's Lemur
Mongoose Lemur
Red-bellied Lemur
Ruffed Lemur

Woolly Lemur
Indri
Diademed Sifaka
Golden Crowned Sifaka
Verreaux's Sifaka

R Madagasc
R Madagasc
R Madagasc
V Madagasc

E Madagasc
E Madagasc
K Madagasc
V Madagasc
E Madagasc
V Madagasc
E Madagasc
R Madagasc
V Madagasc
V Madagasc
R Madagasc
V Madagasc
R Madagasc
V Madagasc
V Madagasc
E Madagasc
E Madagasc, Comoro Is
V Madagasc
E Madagasc
E Madagasc
E Madagasc
V Madagasc
E Madagasc

V Madagasc
E Madagasc
E Madagasc
E Madagasc
V Madagasc

Family Daubentoniidae
Daubentonia madagascariensis

E Madagascar

Aye-aye

Family Lorisidae

- Arctocebus calabarensis*
- Galago thomasi*
- Galago zanzibarius*
- Nycticebus pygmaeus*

K West Africa
K East Africa
V East Africa
V Indochina

- Angwantibo
- Thomas's Bushbaby
- Zanzibar Bushbaby
- Pygmy Loris

Family Tarsiidae

- Tarsius pumilus*
- Tarsius syrichta*

I Sulawesi (Indonesia)
E Philippines

- Lesser Spectral Tarsier
- Philippine Tarsier

Family Cebidae

- Alouatta fusca*
- Alouatta villosa*
- Ateles belzebuth*
- Ateles fusciceps*
- Ateles geoffroyi*
- Ateles paniscus*
- Brachyteles arachnoides*
- Cacajao calvus*
- Cacajao melanocephalus*
- Callicebus personatus*
- Chiropotes albinasus*
- Chiropotes satanas satanas*
- Lagothrix flavicauda*
- Lagothrix lagotricha*
- Saimiri oerstedii*

V Brazil
K Belize, Guatemala, Mexico
V South America
V Panama, Colombia, Ecuador
V Central America, Mexico
V South America
E Brazil
V Brazil, Colombia, Peru
V Brazil, Colombia, Venezuela
E Brazil
V Brazil
E Brazil
E Peru
V South America
E Costa Rica, Panama

- Brown Howler Monkey
- Guatemalan Black Howler Monkey
- Long-haired Spider Monkey
- Brown-headed Spider Monkey
- Geoffroy's Spider Monkey
- Black Spider Monkey
- Woolly Spider Monkey
- Red and White Uakari
- Black-headed Uakari
- Masked Titi
- White-nosed Saki
- Southern Bearded Saki
- Yellow-tailed Woolly Monkey
- Woolly Monkey
- Central American Squirrel Monkey

Family Callitrichidae

Callimico goeldii
Callithrix argentata leucippe
Callithrix aurita
Callithrix flaviceps
Callithrix humeralifer chrysoleuca
Callithrix humeralifer intermedius
Leontopithecus caissara
Leontopithecus chrysomelas
Leontopithecus chrysopygus
Leontopithecus rosalia
Saguinus bicolor
Saguinus imperator
Saguinus leucopus
Saguinus oedipus oedipus

Goeldi's Marmoset
White Marmoset
Buffy-tufted-ear Marmoset
Buffy-headed Marmoset
Santarem Marmoset
Santarem Marmoset
Black-faced Lion Tamarin
Golden-headed Lion Tamarin
Black Lion Tamarin
Golden Lion Tamarin
Pied Tamarin
Emperor Tamarin
White-footed Tamarin
Cottontop Tamarin

R South America
V Brazil
E Brazil
E Brazil
K Brazil
K Brazil
E Brazil
E Brazil
E Brazil
E Brazil
E Brazil
I Bolivia, Brazil, Peru
E Colombia
E Colombia

Family Cercopithecidae

Allenopithecus nigroviridis
Cercocebus aterrimus
Cercocebus galeritus galeritus
Cercocebus galeritus sanje
Cercocebus torquatus
Cercopithecus diana
Cercopithecus erythrogaster
Cercopithecus erythrotis
Cercopithecus erythrotis sclateri
Cercopithecus hamlyni
Cercopithecus lhoesti
Cercopithecus preussi
Cercopithecus salongo
Cercopithecus solatus

Allen's Swamp Monkey
Black Mangabey
Tana River Mangabey
Sanje Crested Mangabey
Collared Mangabey
Diana Monkey
White-throated Guenon
Russet-eared Guenon
White-throated Guenon
Owl-faced Guenon
L'Hoest's Guenon
Preuss's Guenon
Salongo Guenon
Sun-tailed Guenon

K Angola, Congo, Zaire
K N. Angola, C. Zaire
E Kenya
E Tanzania
V West Africa
V West Africa
E Benin, Nigeria
V Cameroon, Bioko, Nigeria
E Nigeria
V Rwanda, Uganda, Zaire
V Burundi, Rwanda, Uganda, Zaire
E Cameroon, Bioko, Nigeria
V Zaire
V Gabon

<i>Colobus satanas</i>		Black Colobus	E	Cameroon, Congo, Eq. Guinea, Gabon
<i>Mandrillus leucophaeus</i>		Drill	E	Cameroon, Eq. Guinea, Nigeria
<i>Mandrillus sphinx</i>		Mandrill	V	Cameroon, Congo, Eq. Guinea, Gabon
<i>Papio hamadryas</i>		Hamadryas Baboon	R	Ethiopia, Somalia, S. Arabia
<i>Procolobus [b.] badius badius</i>		Bay Colobus	V	Guinea, Cote d'Ivoire, Liberia, Sierra Leone
<i>Procolobus [b.] badius temminckii</i>		Temminck's Red Colobus	R	Gambia, Guinea, Guinea-Bissau, Senegal
<i>Procolobus [b.] badius waldroni</i>		Miss Waldron's Bay Colobus	E	Ghana, Cote d'Ivoire
<i>Procolobus [b.] gordonorum</i>		Uhehe Red Colobus	E	Tanzania
<i>Procolobus [b.] kirkii</i>		Zanzibar Red Colobus	E	Zanzibar
<i>Procolobus [b.] pennanti</i>		Pennant's Red Colobus	E	Cameroon
<i>Procolobus [b.] pennanti bouvieri</i>		Bouvier's Red Colobus	E	Congo
<i>Procolobus [b.] pennanti pennanti</i>		Pennant's Red Colobus	E	Eq. Guinea
<i>Procolobus [b.] pennanti preussi</i>		Preuss's Red Colobus	E	Cameroon, Nigeria
<i>Procolobus [b.] rufomitratatus</i>		Eastern Red Colobus	V	East & Central Africa
<i>Procolobus [b.] rufomitratatus ellioti</i>		Elliot's Red Colobus	K	Uganda, Zaire
<i>Procolobus [b.] rufomitratatus foai</i>		Foa Red Colobus	K	Zaire
<i>Procolobus [b.] rufomitratatus oustaleti</i>		Oustalet's Red Colobus	K	Sudan, Zaire
<i>Procolobus [b.] rufomitratatus rufomitratatus</i>		Tana River Red Colobus	E	Kenya
<i>Procolobus [b.] rufomitratatus tephrosceles</i>		Uganda Red Colobus	V	Burundi, Tanzania, Uganda, Zaire
<i>Procolobus [b.] rufomitratatus tholloni</i>		Thollon's Red Colobus	K	Zaire
<i>Procolobus [badius] badius</i>		Western Red Colobus	V	West Africa
<i>Procolobus verus</i>		Olive Colobus	R	West Africa
<i>Theropithecus gelada</i>		Gelada Baboon	R	Ethiopia
<i>Macaca brunneus</i>		Muna-Butung Macaque	K	Sulawesi (Indonesia)
<i>Macaca cyclopis</i>		Taiwan Macaque	V	Taiwan
<i>Macaca fuscata yakui</i>		Yakushima Macaque	E	Japan
<i>Macaca hecki</i>		Heck's Macaque	V	Sulawesi (Indonesia)
<i>Macaca maura</i>		Moor Macaque	V	Sulawesi (Indonesia)

<i>Macaca pagensis</i>	Mentawai Macaque	E	Mentawai Is (Indonesia)
<i>Macaca silenus</i>	Lion-tailed Macaque	E	S. India
<i>Macaca sylvanus</i>	Barbary Macaque	V	Algeria, Gibraltar*, Morocco
<i>Macaca thibetana</i>	Tibetan Macaque	K	China
<i>Nasalis larvatus</i>	Proboscis Monkey	V	Borneo
<i>Presbytis comata</i>	Javan Leaf Monkey	E	Java (Indonesia)
<i>Presbytis potenziani</i>	Mentawai Leaf Monkey	E	Mentawai Is (Indonesia)
<i>Pygathrix nemaeus</i>	Red-shanked Douc Langur	E	C. Vietnam, E.C. Laos
<i>Pygathrix nigripes</i>	Black-shanked Douc Monkey	E	S. Vietnam, S. Laos, E. Cambodia
<i>Rhinopithecus auunculus</i>	Tonkin Snub-nosed Monkey	E	N. Vietnam
<i>Rhinopithecus bieti</i>	Yunnan Snub-nosed Monkey	E	China
<i>Rhinopithecus brelichi</i>	Guizhou Snub-nosed Monkey	E	China
<i>Rhinopithecus roxellanae</i>	Sichuan Golden Snub-nosed Monkey	V	China
<i>Simias concolor</i>	Pig-tailed Langur	E	Mentawai Is (Indonesia)
<i>Trachypithecus francoisi</i>	Tonkin Leaf Monkey	E	Indochina
<i>Trachypithecus geei</i>	Golden Leaf Monkey	R	Bhutan, India
<i>Trachypithecus johnii</i>	Nilgiri Leaf Monkey	E	S. India
<i>Trachypithecus leucocephalus</i>	White-headed Black Leaf Monkey	E	S. China
Family Hylobatidae			
<i>Hylobates concolor</i>	Black Gibbon	V	China, Indochina
<i>Hylobates hoolock</i>	Hoolock Gibbon	V	Bangladesh to Yunnan (China)
<i>Hylobates klossi</i>	Kloss's Gibbon	E	Mentawai Is (Indonesia)
<i>Hylobates moloch</i>	Javan Gibbon	E	Java (Indonesia)
<i>Hylobates pileatus</i>	Pileated Gibbon	E	Indochina, Thailand
<i>Pongo pygmaeus</i>	Orang-utan	E	Borneo, Sumatra
Family Pongidae			
<i>Gorilla gorilla</i>	Gorilla	V	Equatorial Africa
<i>Gorilla gorilla berengei</i>	Mountain Gorilla	E	Rwanda, Uganda, Zaire
<i>Gorilla gorilla graueri</i>	Eastern Lowland Gorilla	E	E. Zaire
<i>Pan paniscus</i>	Pygmy Chimpanzee	V	Congo, Zaire

Pan troglodytes
Pan troglodytes verus

Chimpanzee
 West African Chimpanzee

V Equatorial Africa
 E West Africa

Order EDENTATA
Family Myrmecophagidae
Myrmecophaga tridactyla

Giant Anteater

V Central & South America

Family Bradypodidae
Bradypus torquatus

Maned Sloth

E Brazil

Family Dasypodidae
Chlamyphorus retusus
Chlamyphorus truncatus
Priodontes giganteus
Tolypeutes tricinctus

Burmeister's Armadillo
 Pink Fairy Armadillo
 Giant Armadillo
 Brazilian Three-banded Armadillo

K Argentina, Bolivia, Paraguay
 K Argentina
 V South America
 I Brazil

Order LAGOMORPHA
Family Ochotonidae
Ochotona koslowi
Ochotona muliensis
Prolagus sardus

Kozlov's Pika

V China

Sardinian Pika

R China
 Ex [Sardinia, Corsica]

Family Leporidae
Bunolagus monticularis
Caprolagus hispidus
Lepus flavigularis
Nesolagus netscheri
Pentalagus furnessi
Romerolagus diazi
Sylvilagus graysoni
Sylvilagus insonus
Sylvilagus palustris hefneri

Riverine Rabbit
 Hispid Hare
 Tehuantepec Hare
 Sumatran Short-eared Rabbit
 Amami Rabbit
 Volcano Rabbit
 Tres Marias Cottontail
 Omilteme Cottontail
 Lower Keys Rabbit

E South Africa
 E Himalayan foothills
 E Mexico
 I Sumatra (Indonesia)
 E Ryukyu Is (Japan)
 E Mexico
 E Tres Marias Is (Mexico)
 Ex [Mexico]
 E U.S.A.

Order RODENTIA

Family Aplodontidae

Aplodontia rufa nigra

Aplodontia rufa phaea

Point Arena Mountain Beaver
Point Reyes Mountain Beaver

I California (U.S.A.)
I California (U.S.A.)

Family Sciuridae

Cynomys mexicanus

Cynomys parvidens

Eutamias minimus atristriatus

Eutamias quadri vittatus australis

Glaucornys sabrinus coloratus

Glaucornys sabrinus fuscus

Glaucornys volans goldmani

Glaucornys volans guerreroensis

Glaucornys volans oaxacensis

Marmota menzbieri

Marmota vancouverensis

Ratufa indica dealbata

Ratufa indica elphinstonei

Sciurus niger cinereus

Syntheosciurus brochus

Tamiasciurus hudsonicus grahamensis

Mexican Prairie Dog

Utah Prairie Dog

Least Chipmunk

Colorado Chipmunk

Carolina Northern Flying Squirrel

Virginia Northern Flying Squirrel

Mexican Flying Squirrel

Menzbier's Marmot

Vancouver Island Marmot

Dangs Giant Squirrel

Maharashtra Giant Squirrel

Delmarva Fox Squirrel

Mountain Squirrel

Mount Graham Red Squirrel

V Kazakhstan, Uzbekistan (U.S.S.R.)
E Vancouver I. (Canada)
E India
E India
E U.S.A.
K Costa Rica, Panama
E Arizona (U.S.A.)

Family Geomyidae

Thomomys umbrinus emotus

Zygogeomys trichopus

R New Mexico (U.S.A.)
I Mexico

Family Heteromyidae

Dipodomys elator

Dipodomys gravipes

Dipodomys heermanni morroensis

Texas Kangaroo Rat

San Quintin Kangaroo Rat

Morro Bay Kangaroo Rat

R Texas (U.S.A.)
E Baja California (Mexico)
E California (U.S.A.)

<i>Dipodomys ingens</i>	Giant Kangaroo Rat	I	California (U.S.A.)
<i>Dipodomys microps leucotis</i>	Housetooth Chisel-toothed Kangaroo Rat	K	Arizona (U.S.A.)
<i>Dipodomys nitratoides exilis</i>	Fresno Kangaroo Rat	E	California (U.S.A.)
<i>Dipodomys nitratoides nitratoides</i>	Tipton Kangaroo Rat	E	California (U.S.A.)
<i>Dipodomys stephensi</i>	Stephens Kangaroo Rat	E	California (U.S.A.)
<i>Perognathus alticola</i>	White-eared Pocket Mouse	V	California (U.S.A.)
<i>Perognathus inornatus psammophilus</i>	Salinas Pocket Mouse	E	California (U.S.A.)
<i>Perognathus longimembris brevinasus</i>	Los Angeles Pocket Mouse	E	California (U.S.A.)
Family Castoridae			
<i>Castor canadensis frondator</i>	Broad-tail Beaver	E	Mexico
<i>Castor canadensis mexicanus</i>	Rio Grande Beaver	E	Mexico
<i>Castor fiber bindai</i>		E	Mongolia
Family Cricetidae			
<i>Neotoma anthonyi</i>	Anthony's Wood Rat	E	Mexico
<i>Neotoma bunker</i>	Bunker's Wood Rat	E	Mexico
<i>Neotoma floridana smalli</i>	Key Largo Wood Rat	E	U.S.A.
<i>Neotoma fuscipes riparia</i>	San Joaquin Valley Wood Rat	V	California (U.S.A.)
<i>Neotoma martinensis</i>	San Martin Island Wood Rat	E	Mexico
<i>Oryzomys argentatus</i>	Silver Rice Rat	I	Florida (U.S.A.)
<i>Oryzomys nelsoni</i>	Nelson's Rice Rat	Ex?	Mexico
<i>Peromyscus gossypinus allapaticola</i>	Key Largo Cotton Mouse	E	U.S.A.
<i>Peromyscus pembertoni</i>	Pemberton's Deer Mouse	Ex	[Mexico]
<i>Peromyscus polionotus alloparys</i>	Choctawhatchee Beach Mouse	E	U.S.A.
<i>Peromyscus polionotus ammobates</i>	Alabama Beach Mouse	E	U.S.A.
<i>Peromyscus polionotus niveiventris</i>	Southeastern Beach Mouse	I	U.S.A.
<i>Peromyscus polionotus phasma</i>	Anastasia Island Beach Mouse	E	U.S.A.
<i>Peromyscus polionotus trissyllepsis</i>	Perdido Key Beach Mouse	E	U.S.A.
<i>Reithrodontomys megalotis limicola</i>	Southern Marsh Harvest Mouse	V	California (U.S.A.)
<i>Reithrodontomys raviventris</i>	Salt-marsh Harvest Mouse	E	California (U.S.A.)
<i>Sigmodon arizonae plenus</i>	Colorado River Cotton Rat	E	California (U.S.A.)

<i>Rattus giluwensis</i>	Giluwe Rat	R	Australia
<i>Solomys ponceleti</i>	Poncelet's Giant Rat	E	Australia
<i>Tokudata osimensis muenninki</i>	Ryukyu Spiny Rat	E	Ryukyu Is (Japan)
<i>Xenurumys barbatus</i>	Rock-dwelling Rat	R	Australia
<i>Xeromys myoides</i>	False Water-rat	R	Australia
<i>Zyromys pedunculatus</i>	Central Rock-rat	E	Australia
Family Zapodidae			
<i>Zapus hudsonicus luteus</i>	Meadow Jumping Mouse	E	New Mexico (U.S.A.)
<i>Zapus trinotatus orarius</i>	Point Reyes Jumping Mouse	I	California (U.S.A.)
Family Erithizontidae			
<i>Chaetomys subspinosus</i>	Thin-spined Porcupine	I	Brazil
Family Dinomyidae			
<i>Dinomys branickii</i>		E	Brazil, Peru, Ecuador, Venezuela
Family Chinchillidae			
<i>Chinchilla brevicaudata</i>	Short-tailed Chinchilla	I	Andes
<i>Chinchilla lanigera</i>	Long-tailed Chinchilla	I	Chile
Family Capromyidae			
<i>Capromys angelcabrerai</i>	Cabrera's Hutia	E	Cuba
<i>Capromys auritus</i>	Large-eared Hutia	E	Cuba
<i>Capromys brownii</i>	Jamaican Hutia	I	Jamaica
<i>Capromys garridoi</i>	Garrido's Hutia	E	Cuba
<i>Capromys gundlachi</i>	Chapman's Prehensile-tailed Hutia	I	Cuba
<i>Capromys melanurus</i>	Bushy-tailed Hutia	R	Cuba
<i>Capromys meridionalis</i>	Isla de la Juventud Tree Hutia	I	Cuba
<i>Capromys nanus</i>	Dwarf Hutia	E	Cuba
<i>Capromys sanfelipensis</i>	Little Earth Hutia	E	Cuba
<i>Geocapromys brownii</i>	Jamaican Hutia	R	Jamaica

<i>Geocapromys ingrahami</i> <i>Plagiodontia aedium</i>	Bahamian Hutia Hispaniolan Hutia	R R	Bahamas Hispaniola
Family Octodontidae <i>Tympanoctomys barrerae</i>	Red Vizcachas Rat	V	Argentina
Order CETACEA Family Iniidae <i>Inia geoffrensis</i>	Boto, Amazon River Dolphin	V	South America
Family Platanistidae <i>Lipotes vexillifer</i> <i>Platanista gangetica</i> <i>Platanista minor</i> <i>Pontoporia blainvillei</i>	Baiji, Yangtze River Dolphin Ganges River Dolphin Indus River Dolphin Franciscana, La Plata Dolphin	E V E K	Yangtze R. (China) India, Bangladesh, Nepal, Bhutan Pakistan Argentina, Brazil, Uruguay
Family Delphinidae <i>Cephalorhynchus commersonii</i> <i>Cephalorhynchus eutropia</i> <i>Cephalorhynchus heavisidii</i> <i>Cephalorhynchus hectori</i> <i>Orcaella brevirostris</i>	Commerson's Dolphin Black Dolphin Heaviside's Dolphin Hector's Dolphin Irrawaddy Dolphin	K K K V K	Coastal South Atlantic Coastal Chile Coastal South Africa & Namibia Coastal New Zealand Rivers & coasts from Bay of Bengal to N. Australia
<i>Phocoena phocoena</i> <i>Phocoena sinus</i>	Harbour Porpoise Vaquita	K E	Coastal waters of N. Hemisphere Gulf of California (Mexico)
Family Monodontidae <i>Delphinapterus leucas</i> <i>Monodon monoceros</i>	White Whale Narwhal	K K	Arctic & sub-Arctic Ocean Arctic Ocean
Family Ziphiidae <i>Hyperoodon ampullatus</i>	Northern Bottlenose Whale	V	North Atlantic

Family Balaenopteridae

- Balaenoptera musculus*
- Balaenoptera physalus*
- Megaptera novaeangliae*

- Blue Whale
- Fin Whale
- Humpback Whale

- E All Oceans
- V All Oceans
- V All Oceans

Family Balaenidae

- Balaena mysticetus*
- Eubalaena australis*

- Bowhead Whale
- Southern Right Whale

- V Arctic, N. Atlantic & N. Pacific Oceans
- V S. Atlantic, Pacific, Indian & Southern Oceans

- Eubalaena glacialis*

- Northern Right Whale

- E N. Atlantic & N. Pacific Oceans

Order CARNIVORA

Family Canidae

- Canis lupus*
- Canis rufus*
- Canis simensis*
- Chrysocyon brachyurus*
- Cuon alpinus*
- Dusicyon australis*
- Dusicyon griseus*
- Dusicyon (Atelocynus) microtis*
- Dusicyon sechurae*
- Dusicyon vetulus*
- Fennecus zerda*
- Lycan pictus*
- Speothos venaticus*
- Urocyon littoralis*
- Vulpes bengalensis*
- Vulpes cana*

- Grey Wolf
- Red Wolf
- Simien Jackal
- Maned Wolf
- Dhole
- Falkland Island Wolf
- Grey Zorro
- Small-eared Zorro
- Sechuran Zorro
- Hoary Zorro
- Fennec Fox
- African Wild Dog
- Bush Dog
- Island Grey Fox
- Bengal Fox
- Blanford's Fox

- V North America, Middle East, Eurasia
- E U.S.A.
- E Ethiopia
- V South America
- V Asia
- Ex [Falkland Is]
- V Argentina, Chile, Ecuador
- K South America
- K Ecuador, Peru
- K Brazil
- K North Africa
- E Sub-Saharan Africa
- V South America
- R California (U.S.A.)
- I India, Pakistan, S. Nepal
- K U.S.S.R., Afghanistan, Iran, Pakistan

Vulpes corsac
Vulpes pallida
Vulpes rueppelli

Corsac Fox
Pale Fox
Ruepell's Fox

K U.S.S.R., Mongolia, China
K North Africa
K North Africa and Middle East

Family Ursidae

Ailuropoda melanoleuca
Helarctos malayanus
Melursus ursinus
Tremarctos ornatus
Ursus arctos nelsoni
Ursus maritimus
Ursus thibetanus
Ursus thibetanus gedrosianus

Giant Panda
Sun Bear
Sloth Bear
Spectacled Bear
Mexican Grizzly Bear
Polar Bear
Asiatic Black Bear
Baluchistan Bear

E China
V Eastern Asia
V India, Nepal, Sri Lanka
V South America
Ex [Mexico, U.S.A.]
V Arctic
V Southern Asia
E Iran, Pakistan

Family Procyonidae

Ailurus fulgens
Nasua nelsoni
Procyon gloweralleni
Procyon pygmaeus

Red Panda
Cozumel Island Coati
Barbados Raccoon
Cozumel Island Raccoon

K Nepal to China
K Cozumel I. (Mexico)
Ex? Barbados
K Cozumel I. (Mexico)

Family Mustelidae

Aonyx cinerea
Conepatus mesoleucus telmolestes
Gulo gulo
Lutra felina
Lutra longicaudis longicaudis
Lutra lutra lutra
Lutra perspicillata
Lutra provocax
Lutra sumatrana
Martes flavigula chrysospila
Martes gwatkinsi

Oriental Small-clawed Otter
Big Thicket Hog-nosed Skunk
Wolverine
Marine Otter
La Plata Otter
European Otter
Smooth-coated Otter
Southern River Otter
Hairy-nosed Otter
Taiwan Yellow-throated Marten
Nilgiri Marten

K Asia
I Texas (U.S.A.)
V Eurasia, North America
V Coastal Chile & Peru, [Argentina]
V South America
V Eurasia
K Asia
V W. Argentina, C. & S. Chile
K South-east Asia
I Taiwan
I S. India

Martes melampus tsuensis
Melogale everetti
Melogale orientalis
Mustela lutreola
Mustela lutreolina
Mustela nigripes
Pteronura brasiliensis
Vormela peregusna peregusna

Family Viverridae

Arctogalidia trivirgata trilineata
Bdeogale crassicauda omnivora
Bdeogale jacksoni
Chrotogale owstoni
Cryptoprocta ferox
Cynogale bennettii
Eupleres goudotii
Fossa fossana
Galidictis fasciata
Galidictis grandidiensis
Genetta abyssinica
Genetta genetta isabellae
Genetta johnstoni
Liberictis kuhni
Macrogalidia musschenbroekii
Mungotictis decemlineata
Paradoxurus jerdoni
Paradoxurus lignicolor
Poiana richardsoni liberiensis
Salanoia concolor
Vierra civettina

Tsushima Island Marten
Kinabalu Ferret-badger
Javan Ferret-badger
European Mink
Indonesian Mountain Weasel
Black-footed Ferret
Giant Otter
European Marbled Polecat

Javan Small-toothed Palm Civet
Sokoike Bushy-tailed Mongoose
Jackson's Mongoose
Owston's Palm Civet
Fossa
Otter Civet
Falanouc
Malagasy Civet
Malagasy Broad-striped Mongoose
Giant-striped Mongoose
Abyssinian Genet
Ibiza Common Genet
Johnston's Genet
Liberian Mongoose
Sulawesi Palm Civet
Malagasy Narrow-striped Mongoose
Jerdon's Palm Civet
Mentawai Palm Civet
Leighton's Linsang
Malagasy Brown-tailed Mongoose
Malabar Civet

I Japan
K Sabah (Malaysia)
K Java (Indonesia)
V Europe
K Java, S. Sumatra (Indonesia)
E U.S.A.
V South America
V C. Europe to Greece & Turkey

I Java (Indonesia)
E N. Coastal Tanzania, Kenya
K Kenya, Uganda
K Indochina
K Madagascar
K South-east Asia
V Madagascar
V Madagascar
I Madagascar
K Madagascar
K Ethiopia, Somalia
R Spain
K Liberia, Guinea
E Liberia, Cote d'Ivoire, Guinea
R Sulawesi (Indonesia)
V Madagascar
I S. India
E Sumatra (Indonesia)
I Liberia, Cote d'Ivoire, Sierra Leone
K Madagascar
E West Ghats (India)

Family Hyaenidae

Hyaena brunnea

Hyaena hyaena barbara

Brown Hyaena
Barbary Hyaena

V Southern Africa
E Algeria, Morocco, Tunisia

Family Felidae

Acinonyx jubatus

Acinonyx jubatus venaticus

Felis badia

Felis caracal michaelis

Felis concolor coryi

Felis concolor cougar

Felis iriomotensis

Felis jacobita

Felis margarita scheffeli

Felis marmorata

Felis pardalis

Felis pardina

Felis planiceps

Felis rubiginosa

Felis temminckii

Felis tigrina

Felis wiedii

Felis yagouarundi

Neofelis nebulosa

Panthera leo persica

Panthera onca

Panthera pardus

Panthera tigris

Panthera uncia

Cheetah
Asiatic Cheetah
Bornean Bay Cat
Turkmenian Caracal Lynx
Florida Cougar
Eastern Cougar
Iriomote Cat
Andean Cat
Pakistan Sand Cat
Marbled Cat
Ocelot
Pardel Lynx
Flat-headed Cat
Rusty-spotted Cat
Asiatic Golden Cat
Little Spotted Cat
Margay
Jaguarundi
Clouded Leopard
Asiatic Lion
Jaguar
Leopard
Tiger
Snow Leopard

V Africa, Middle East, Iran, [India]
E Iran, [India]
R Borneo
R U.S.S.R.
E U.S.A.
E Canada, U.S.A.
E Ryukyu Is (Japan)
R Andes
E Pakistan
I Asia
V U.S.A., Central & South America
E Portugal, Spain
I South-east Asia
K India, Sri Lanka
I Asia
V Central & South America
V Central & South America
I U.S.A., Central & South America
V Asia
E Gujarat (India)
V U.S.A., Central & South America
T Africa, Middle East, Asia
E Asia
E Asia

Order PINNIPEDIA

Family Otariidae

Arctocephalus philippii
Arctocephalus townsendi
Odobenus rosmarus laptevi
Zalophus californianus japonicus

Juan Fernandez Fur Seal
 Guadalupe Fur Seal
 Laptev Walrus
 Japanese Sea Lion

V Chile
 V Mexico, U.S.A.
 K U.S.S.R.
 Ex? Japan, North & South Korea

Family Phocidae

Monachus monachus
Monachus schauinslandi
Monachus tropicalis
Phoca hispida saimensis
Phoca vitulina stejnegeri

Mediterranean Monk Seal
 Hawaiian Monk Seal
 Caribbean Monk Seal
 Saimaa Seal
 Kuril Seal

E Mediterranean & Mauritanian coasts
 E Hawaii (U.S.A.)
 Ex? Caribbean
 E Finland
 V Kuril Sea

Order PROBOSCIDEA

Family Elephantidae

Elephas maximus
Loxodonta africana

Indian Elephant
 African Elephant

E Asia
 V Africa

Order HYRACOIDEA

Family Procviidae

Dendrohyrax validus

Eastern Tree Dassie

K Tanzania, Pemba I., Zanzibar

Order SIRENIA

Family Dugongidae

Dugong dugon

Dugong

V Coastal Indian & Western Pacific Oceans

Hydrodamalis gigas

Steller's Sea Cow

Ex [Bering Sea, North Pacific Ocean]

Family Trichechidae

Trichechus inunguis

Trichechus manatus

Amazonian Manatee

West Indian Manatee

V Amazon Basin

V Caribbean & South American Coasts & Rivers

Trichechus senegalensis

Order PERISSODACTYLA

Family Equidae

- Equus africanus*
- Equus grevyi*
- Equus hemionus*
- Equus hemionus hemippus*
- Equus hemionus khur*
- Equus przewalskii*
- Equus quagga quagga*
- Equus zebra hartmannae*
- Equus zebra zebra*

Family Tapiridae

- Tapirus bairdii*
- Tapirus indicus*
- Tapirus pinchaque*

Family Rhinocerotidae

- Ceratotherium simum cottoni*
- Diceros bicornis*
- Didermoceros sumatrensis*
- Rhinoceros sondaicus*
- Rhinoceros unicornis*

Order ARTIODACTYLA

Family Suidae

- Babyrussa babyrussa*
- Sus barbatus cebifrons*
- Sus barbatus oi*
- Sus salvanius*

West African Manatee

V

West Africa

- African Wild Ass
- Grevy's Zebra
- Asiatic Wild Ass
- Syrian Wild Ass
- Indian Wild Ass
- Przewalski's Horse
- True Quagga
- Hartmann's Mountain Zebra
- Cape Mountain Zebra

E
E
V
Ex
E
Ex?
Ex
V
E

- North-east Africa
- Ethiopia, Kenya, [Somalia]
- Asia
- [Syria]
- Pakistan, India
- Mongolia, China
- [South Africa]
- Angola, Namibia
- South Africa

- Central American Tapir
- Malayan Tapir
- Mountain Tapir

V
E
V

- Central & North-west South America
- South-east Asia
- North-west South America

- Northern Square-lipped Rhinoceros
- Black Rhinoceros
- Sumatran Rhinoceros
- Javan Rhinoceros
- Great Indian Rhinoceros

E
E
E
E
E

- Zaire, S. Sudan
- Africa
- South-east Asia
- Java (Indonesia), Vietnam
- India, Nepal

Babirusa

V

Sulawesi, Buru, Sulu & Togian Is (Indonesia)

- Visayan Warty Pig
- Western Bearded Pig
- Pygmy Hog

V
V
E

- Visayan Is (Philippines)
- Malaysia, Indonesia
- [Bangladesh], India, Nepal

Sus scrofa riukiuanus
Sus verrucosus

Ryukyu Islands' Wild Pig
Javan and Bawean Warty Pigs

V Ryukyu Is (Japan)
V Java & Bawean I. (Indonesia)

Family Tayassuidae
Catagonus wagneri

Chacoan Pecary

V Argentina, Bolivia, Paraguay

Family Hippopotamidae
Choeropsis liberiensis

Pygmy Hippopotamus

V West Africa

Family Camelidae
Camelus bactrianus
Vicugna vicugna

Wild Bactrian Camel
Vicuna

V Mongolia, China
V Andes

Family Cervidae
Axis calamianensis
Axis kuhli
Blastocerus dichotomus

V Calamian I. (Philippines)
R Bawean I. (Indonesia)
V Central America

Cervus albirostris
Cervus alfredi

V China
E Visayan Is (Philippines)

Cervus duvauceli
Cervus elaphus bactrianus

E India, Nepal

Cervus elaphus barbarus
Cervus elaphus corsicanus

E Afghanistan, U.S.S.R.
V Algeria, Tunisia

Cervus elaphus hanglu
Cervus elaphus macneilli

E [Corsica (France)], Sardinia (Italy)
E India

Cervus elaphus wallichi
Cervus elaphus yarkandensis

I China
E China, Bhutan

Cervus eldi
Cervus eldi eldi

E China
V South-east Asia

Cervus eldi siamensis
Cervus nippon grassianus

E India
E South-east Asia

Cervus nippon keramae

Ex? China
E Ryukyu Is (Japan)

<i>Cervus nippon mandarinus</i>	North China Sika	Ex	China
<i>Cervus nippon pseudaxis</i>	South China Sika	E	China
<i>Cervus nippon sichuanicus</i>		I	China
<i>Cervus nippon taiouanus</i>	Formosan Sika	E	Taiwan
<i>Dama mesopotamica</i>	Persian Fallow Deer	E	Iran, Iraq, Israel, Syria
<i>Elaphurus davidianus</i>	Pere David's Deer	E	China
<i>Hippocamelus antisensis</i>	North Andean Huemul	V	North Andes
<i>Hippocamelus bisulcus</i>	South Andean Huemul	E	South Andes
<i>Hydropotes inermis</i>	Chinese Water-deer	R	China, Korea
<i>Muntiacus crinifrons</i>	Black Muntjac	V	China
<i>Muntiacus feaei</i>	Fea's Muntjac	E	Burma, Thailand, China
<i>Odocoileus hemionus cerrosensis</i>	Cedros Island Mule Deer	R	Mexico
<i>Odocoileus virginianus clavium</i>	Key Deer	R	U.S.A.
<i>Ozotoceros bezoarticus celer</i>	Argentinian Pampas Deer	E	Argentina
<i>Pudu mephistopheles</i>	Northern Pudu	I	Andes
Family Antilocapridae			
<i>Antilocapra americana peninsularis</i>	Lower California Pronghorn	E	Mexico
<i>Antilocapra americana sonoriensis</i>	Sonoran Pronghorn	E	Mexico & U.S.A.
Family Bovidae			
<i>Bison bonasus</i>	European Bison	V	Poland, U.S.S.R.
<i>Bos gaurus</i>	Gaur	V	South-east Asia
<i>Bos grunniens</i>	Wild Yak	E	Central Asia
<i>Bos javanicus</i>	Banteng	V	South-east Asia
<i>Bos sauveli</i>	Kouprey	E	Indochina
<i>Bubalus bubalis</i>	Wild Asiatic Water Buffalo	E	India, Nepal
<i>Bubalus depressicornis</i>	Lowland Anoa	E	Sulawesi (Indonesia)
<i>Bubalus quarlesi</i>	Mountain Anoa	E	Sulawesi (Indonesia)
<i>Bubalus mindorensis</i>	Tamaraw	E	Philippines
<i>Taurotragus derbianus</i>	Western Giant Eland	E	West Africa
<i>Addax nasomaculatus</i>	Addax	E	Sahara/Sahel
<i>Aepyceros melampus petersi</i>	Black-faced Impala	E	Angola, Namibia

<i>Alcelaphus buselaphus swaynei</i>	Swayne's Hartebeest	E	Ethiopia, Somalia
<i>Alcelaphus buselaphus tora</i>	Tora Hartebeest	E	Egypt, Ethiopia, Sudan
<i>Ammodorcas clarkei</i>	Dibatag	V	Ethiopia, Somalia
<i>Cephalophus adersi</i>	Ader's Duiker	V	Kenya, Tanzania, Zanzibar
<i>Cephalophus jentinki</i>	Jentink's Duiker	E	Cote d'Ivoire, Liberia, Sierra Leone
<i>Cephalophus nigrifrons rubidus</i>	Ruwenzori Black-fronted Duiker	E	Uganda
<i>Cephalophus ogilbyi</i>	Ogilby's Duiker	V	West & Central Africa
<i>Cephalophus ogilbyi crusalbum</i>	White-legged Duiker	V	Gabon
<i>Cephalophus spadix</i>	Abbott's Duiker	V	Tanzania
<i>Cephalophus zebra</i>	Zebra Duiker	V	Cote d'Ivoire, Liberia, Sierra Leone
<i>Damaliscus dorcas</i>	Bontebok	R	South Africa
<i>Damaliscus dorcas dorcas</i>	Bontebok	V	South Africa
<i>Damaliscus hunteri</i>	Hunter's Antelope	V	Kenya, Somalia
<i>Damaliscus lunatus korrigum</i>	Korrigum	E	West Africa
<i>Oreotragus oreotragus porteousi</i>	Western Klipspringer	E	Nigeria
<i>Dorcatragus megalotis</i>	Beira Antelope	K	Djibouti, Ethiopia, Somalia
<i>Gazella cuvieri</i>	Cuvier's Gazelle	E	North-west Africa
<i>Gazella dama</i>	Dama Gazelle	E	Sahara/Sahel
<i>Gazella dorcas</i>	Dorcas Gazelle	V	Sahara/Sahel & Middle East
<i>Gazella gazella</i>	Mountain Gazelle	V	Arabia, Middle East
<i>Gazella leptoceros</i>	Slender-horned Gazelle	E	Sahara/Sahel
<i>Gazella rufifrons</i>	Red-fronted Gazelle	V	Senegal to Eritrea
<i>Gazella soemmerringi</i>	Soemmerrings Gazelle	V	North-eastern Africa
<i>Gazella spekei</i>	Speke's Gazelle	V	Ethiopia, Somalia
<i>Gazella subgutturosa marica</i>	Arabian Sand Gazelle	E	Arabia
<i>Hippotragus leucophaeus</i>	Bluebuck	Ex	[South Africa]
<i>Hippotragus niger variiani</i>	Giant Sable Antelope	E	Angola
<i>Kobus leche</i>	Lechwe	V	Southern Africa

<i>Oryx dammah</i>	Scimitar-horned Oryx	E	Sahara/Sahel
<i>Oryx leucoryx</i>	Arabian Oryx	E	Arabia, Middle East
<i>Redunca fulvorufula adamauae</i>	Western Mountain Reedbuck	E	Cameroon, Nigeria
<i>Tragelaphus buxtoni</i>	Mountain Nyala	E	Ethiopia
<i>Tragelaphus derbianus gigas</i>	Eastern Giant Eland	V	Central Africa
<i>Capricornis crispus swinhoi</i>	Formosa Serow	V	Taiwan
<i>Capricornis sumatraensis sumatraensis</i>	Sumatran Serow	E	Malaysia, Sumatra (Indonesia)
<i>Budorcas taxicolor bedfordi</i>	Golden Takin	R	China
<i>Budorcas taxicolor tibetana</i>	Szechwan Takin	I	China
<i>Nemorhaedus baileyi</i>	Red Goral	V	China, Burma, India
<i>Hemitragus hylacrius</i>	Nilgiri Tahr	V	India
<i>Hemitragus jayakari</i>	Arabian Tahr	E	Oman
<i>Capra falconeri</i>	Markhor	V	West Himalayas
<i>Capra falconeri megaceros</i>	Straight-horned Markhor	E	Afghanistan, Pakistan
<i>Capra pyrenaica pyrenaica</i>	Pyrenean Ibex	E	Spain
<i>Capra waliae</i>	Walia Ibex	E	Ethiopia
<i>Rupicapra pyrenaica ornata</i>	Abruzzo Chamois	V	Italy
<i>Rupicapra rupicapra cartusiana</i>	Chartreuse Chamois	E	France
<i>Rupicapra rupicapra tatrica</i>	Tatra Chamois	R	Czechoslovakia, Poland
<i>Ammotragus lervia</i>	Barbary Sheep	V	Sahara/Sahel
<i>Ovis orientalis musimon</i>	Sardinian Mouflon	V	Sardinia, Corsica
<i>Ovis orientalis ophion</i>	Cyprus Mouflon	V	Cyprus

BIRDS

Class AVES

Order APTERYGIFORMES

Family Apterygidae

Apteryx owenii

V New Zealand

Order TINAMIFORMES

Family Tinamidae

Tinamus solitarius

Tinamus osgoodi

Crypturellus saltuarius

Crypturellus noctivagus

Nothoprocta taczanowskii

Nothoprocta kalinowskii

Nothura minor

Taoniscus nanus

Solitary Tinamou

Black Tinamou

Magdalena Tinamou

Yellow-legged Tinamou

Taczanowski's Tinamou

Kalinowski's Tinamou

Lesser Nothura

Dwarf Tinamou

K* Argentina, Brazil, Paraguay

K* Colombia, Peru

I Colombia

K* Brazil

K* Peru

K* Peru

K* Brazil

K* Argentina, Brazil

Order SPHENISCIFORMES

Family Spheniscidae

Megadyptes antipodes

Spheniscus demersus

Spheniscus humboldti

Yellow-eyed Penguin

Jackass Penguin

Peruvian Penguin

V New Zealand

K* Namibia, South Africa

K* Chile, Peru

Order PODICIPEDIFORMES

Family Podicipedidae

Tachybaptus pelzelni

Tachybaptus rufolavatus

Podilymbus gigas

Podiceps andinus

Podiceps taczanowskii

Podiceps gallardoi

Madagascar Grebe

Alaotra Grebe

Atitlan Grebe

Colombian Grebe

Junin Grebe

Hooded Grebe

K Madagascar

E Madagascar

Ex [Guatemala]

Ex [Colombia]

E Peru

R Argentina

Order PROCELLARIIFORMES

Family Diomedidae

- Diomedea amsterdamensis*
Diomedea albatrus

Amsterdam Albatross
Short-tailed Albatross

E Amsterdam I. (France)
R Japan

Family Procellariidae

- Pterodroma aterrima*
Pterodroma hasitata
Pterodroma cahow
Pterodroma becki
Pterodroma magentae
Pterodroma feae
Pterodroma madeira
Pterodroma phaeopygia

Mascarene Black Petrel
Black-capped Petrel
Cahow
Beck's Petrel
Magenta Petrel
Gon-gon
Freira
Dark-rumped Petrel

I Mauritius
R Cuba, Dominican Rep., Haiti
E Bermuda
I Papua New Guinea, Solomon Is
R Chatham Is (New Zealand)
R Cape Verde Is. Madeira (Portugal)
E Madeira (Portugal)
R Galapagos (Ecuador), Hawaiian Is (U.S.A.)
R New Zealand
V Chile
V Chatham Is (New Zealand)
V New Zealand
I Fiji
V New Zealand
R New Zealand
V Juan Fernandez Is (Chile)
I New Britain (Papua New Guinea)
V Hawaiian Is (U.S.A.)
E Mexico

- Pterodroma cookii*
Pterodroma defilippiana
Pterodroma axillaris
Pterodroma pycrofti
Pterodroma macgillivrayi
Procellaria parkinsoni
Procellaria westlandica
Puffinus creatopus
Puffinus heinrothi
Puffinus newelli
Puffinus auricularis

Cook's Petrel
Defilippe's Petrel
Chatham Island Petrel
Pycroft's Petrel
Fiji Petrel
Black Petrel
Westland Petrel
Pink-footed Shearwater
Heinroth's Shearwater
Newell's Shearwater
Townsend's Shearwater

R New Zealand
V Chile
V Chatham Is (New Zealand)
V New Zealand
I Fiji
V New Zealand
R New Zealand
V Juan Fernandez Is (Chile)
I New Britain (Papua New Guinea)
V Hawaiian Is (U.S.A.)
E Mexico

Family Hydrobatidae

- Oceanodroma macrodactyla*
Oceanodroma markhami
Oceanodroma tristrani

Guadalupe Storm-petrel
Markham's Storm-petrel
Tristram's Storm-petrel

Ex [Mexico]
I Eastern Pacific Ocean
K* Hawaiian Is (U.S.A.), Japan

Oceanodroma hornbyi

Family **Pelecanoididae**

Pelecanoides garnotii

Order **PELECANIFORMES**

Family **Pelecanidae**

Pelecanus crispus

Pelecanus philippensis

Family **Sulidae**

Sula abbotti

Family **Phalacrocoracidae**

Phalacrocorax carunculatus

Phalacrocorax pygmeus

Nannopterum harrisi

Family **Fregatidae**

Fregata aquila

Fregata andrewsi

Order **CICONIIFORMES**

Family **Ardeidae**

Gorsachius goisagi

Gorsachius magnificus

Egretta vinaceigula

Egretta eulophotes

Ardea humbloti

Ardea imperialis

Ringed Storm-petrel

K* Chile, Ecuador, Peru

Peruvian Diving Petrel

K* Chile, Peru

Dalmatian Pelican

E Palaearctic

Spot-billed Pelican

I South & SE Asia

Abbott's Booby

E Christmas I. (Australia)

Rough-faced Shag

R New Zealand

Pygmy Cormorant

K* Western Palaearctic

Galapagos Flightless Cormorant

R Galapagos (Ecuador)

Ascension Frigatebird

R Ascension I. (U.K.)

Christmas Frigatebird

E Christmas I. (Australia)

Japanese Night-heron

V China, Japan, Taiwan, Indonesia,

White-eared Night-heron

E Philippines

Slaty Egret

E China

Chinese Egret

I Botswana, Namibia, Zambia

Madagascar Heron

E China, N. Korea, S. Korea

White-bellied Heron

K Comoros, Madagascar

E

Bangladesh, Burma, India, Nepal

Family Balaenicipitidae

Balaeniceps rex

Shoebill

K* Central and East Africa

Family Ciconiidae

Mycteria cinerea

Ciconia stormi

Ciconia boyciana

Leptoptilos javanicus

Leptoptilos dubius

Milky Stork

Storm's Stork

Oriental White Stork

Lesser Adjutant

Greater Adjutant

V SE Asia

R Thailand, Brunei, Indonesia, Malaysia

R China, Japan, South Korea, U.S.S.R.

V S & SE Asia

E India & SE Asia

Family Threskiornithidae

Pseudibis davisoni

White-shouldered Ibis

V Burma, Cambodia, Laos, Thailand, Vietnam, Indonesia

Pseudibis gigantea

Geronticus eremita

Geronticus calvus

Nipponia nippon

Bostrychia bocagei

Platalea minor

Giant Ibis

Northern Bald Ibis

Southern Bald Ibis

Crested Ibis

Dwarf Olive Ibis

Black-faced Spoonbill

E Cambodia, Laos, Thailand, Vietnam

E Turkey, North Yemen, Morocco

R Lesotho, South Africa, Swaziland

E China, Japan

I Sao Tome

E China, N. Korea

Family Phoenicopteridae

Phoenicoparrus andinus

Phoenicoparrus jamesi

Andean Flamingo

Puna Flamingo

K* Argentina, Bolivia, Chile, Peru

K* Argentina, Bolivia, Chile, Peru

Order ANSERIFORMES

Family Anhimidae

Chauna chawaria

Northern Screamer

K* Colombia, Venezuela

Family Anatidae

Dendrocygna arborea

West Indian Whistling Duck

R Caribbean Islands

<i>Anser erythropus</i>	Lesser White-fronted Goose	R	Palearctic
<i>Branta sandvicensis</i>	Hawaiian Goose	V	Hawaiian Is (U.S.A.)
<i>Branta ruficollis</i>	Red-breasted Goose	K*	Palearctic
<i>Stictonetta naevosa</i>	Freckled Duck	K*	Australia
<i>Tadorna cristata</i>	Crested Shelduck	E	U.S.S.R., S. Korea
<i>Cairina scutulata</i>	White-winged Duck	V	Bangladesh, Burma, India, Indonesia, Thailand, Laos, Vietnam
<i>Aix galericulata</i>	Mandarin Duck	K*	U.S.S.R., China, Japan, N. Korea, S. Korea, Taiwan
<i>Anas formosa</i>	Baykal Teal	V	U.S.S.R., China, Japan, N. Korea, S. Korea
<i>Anas bernieri</i>	Madagascar Teal	V	Madagascar
<i>Anas aucklandica</i>	Brown Teal	R	New Zealand
<i>Anas wyvilliana</i>	Hawaiian Duck	R	Hawaiian Is (U.S.A.)
<i>Anas laysanensis</i>	Laysan Duck	R	Hawaiian Is (U.S.A.)
<i>Marmaronetta angustirostris</i>	Marbled Teal	V	Palearctic
<i>Rhodonessa caryophyllacea</i>	Pink-headed Duck	Ex	[India, Nepal, Bangladesh, Burma]
<i>Aythya baeri</i>	Baer's Pochard	V	U.S.S.R., China, N. Korea
<i>Aythya innotata</i>	Madagascar Pochard	E	Madagascar
<i>Mergus octosetaceus</i>	Brazilian Merganser	I	Argentina, Brazil, Paraguay
<i>Mergus squamatus</i>	Scaly-sided Merganser	R	China, N. Korea, U.S.S.R.
<i>Oxyura leucocephala</i>	White-headed Duck	V	Palearctic
Order FALCONIFORMES			
Family Cathartidae			
<i>Gymnogyps californianus</i>	California Condor	E	U.S.A.
Family Accipitridae			
<i>Leptodon forbesi</i>	White-collared Kite	K*	Brazil
<i>Henicopernis infuscatus</i>	Black Honey Buzzard	I	Irian Jaya (Indonesia), Papua New Guinea
<i>Milvius milvus</i>	Red Kite	K*	Western Palearctic

<i>Haliaeetus sanfordi</i>	Solomons Sea Eagle	R	Solomon Is.
<i>Haliaeetus vociferoides</i>	Madagascar Fish-eagle	E	Madagascar
<i>Haliaeetus leucorhynchus</i>	Pallas's Fish-eagle	R	S & E Asia
<i>Haliaeetus albicilla</i>	White-tailed Eagle	R	Palaeartic
<i>Haliaeetus pelagicus</i>	Steller's Sea Eagle	R	U.S.S.R., Japan, N. Korea, S. Korea
<i>Gyps coprotheres</i>	Cape Vulture	R	Southern Africa
<i>Aegypius monachus</i>	Cinereous Vulture	V	Palaeartic
<i>Spilornis elgini</i>	Dark Serpent-eagle	R	Andaman Is (India)
<i>Spilornis kinabaluensis</i>	Kinabalu Serpent-eagle	R	Indonesia, Malaysia
<i>Eutriorchis astur</i>	Madagascar Serpent-eagle	E	Madagascar
<i>Accipiter radiatus</i>	Red Goshawk	K*	Australia
<i>Accipiter nanus</i>	Small Sparrowhawk	R	Sulawesi (Indonesia)
<i>Accipiter brachyurus</i>	New Britain Sparrowhawk	R	New Britain (Papua New Guinea)
<i>Accipiter imitator</i>	Imitator Sparrowhawk	R	Papua New Guinea, Solomon Is
<i>Accipiter collaris</i>	Semi-collared Hawk	K*	Colombia, Ecuador, Peru, Venezuela
<i>Accipiter gundlachi</i>	Gundlach's Hawk	R	Cuba
<i>Accipiter poliogaster</i>	Grey-bellied Hawk	K*	South America
<i>Leucopternis plumbea</i>	Plumbeous Hawk	K*	Panama, Colombia, Ecuador, Peru
<i>Leucopternis lacernulata</i>	White-necked Hawk	K*	Brazil
<i>Leucopternis occidentalis</i>	Grey-backed Hawk	I	Ecuador
<i>Leucopternis polionota</i>	Mantled Hawk	I	Argentina, Brazil, Paraguay
<i>Harpyhaliaetus solitarius</i>	Solitary Eagle	K*	Central & South America
<i>Harpyhaliaetus coronatus</i>	Crowned Eagle	K*	Argentina, Bolivia, Brazil, Paraguay, Uruguay
<i>Buteo ridgwayi</i>	Ridgway's Hawk	V	Dominican Rep., Haiti
<i>Buteo galapagoensis</i>	Galapagos Hawk	R	Galapagos (Ecuador)
<i>Buteo solitarius</i>	Hawaiian Hawk	R	Hawaiian Is (U.S.A.)
<i>Buteo ventralis</i>	Rufous-tailed Hawk	K*	Argentina, Chile
<i>Morphnus guianensis</i>	Crested Eagle	R	South and Central America
<i>Harpia harpyja</i>	Harpy Eagle	R	South and Central America
<i>Harpyopsis novaeguineae</i>	New Guinea Eagle	V	Irian Jaya (Indonesia), Papua New Guinea

Pithecophaga jefferyi
Aquila heliaca
Aquila adalbertii
Spizaetus bartelsi
Spizaetus nanus

Family Falconidae

Micrastur plumbeus
Micrastur buckleyi
Falco naumanni
Falco punctatus
Falco deiroleucus
Falco hypoleucos

Order GALLIFORMES

Family Megapodiidae

Megapodius bernsteinii
Megapodius nicobariensis
Megapodius laperouse
Megapodius pritchardii
Megapodius wallacei
Leipoa ocellata
Macrocephalon maleo
Aepyptodius bruijnii

Family Cracidae

Ortalis erythroptera
Penelope barbata
Penelope dabbeni
Penelope albipennis
Penelope perspicax

Philippine Eagle
 Imperial Eagle
 Spanish Imperial Eagle
 Javan Hawk-eagle
 Wallaces Hawk-eagle

E Philippines
 R Palaeartic
 E Portugal, Spain
 V Java
 R Burma, Thailand, Brunei, Indonesia, Malaysia

Plumbeous Forest-falcon
 Traylor's Forest-falcon
 Lesser Kestrel
 Mauritius Kestrel
 Orange-breasted Falcon
 Grey Falcon

K* Brazil, Colombia, Ecuador
 K* Ecuador, Peru
 R Palaeartic
 E Mauritius
 K* South and Central America
 K* Australia

Sula Scrubfowl
 Nicobar Scrubfowl
 Micronesian Scrubfowl
 Polynesian Scrubfowl
 Moluccan Scrubfowl
 Malleefowl
 Maleo
 Waigeo Brush-turkey

V Barigai & Sula Is (Indonesia)
 R Nicobar Is (India)
 R Palau, N. Mariana Is (U.S.A.)
 V Tonga
 R Molluccas (Indonesia)
 K* Australia
 V Sulawesi (Indonesia)
 R Waigeo (Indonesia)

Rufous-headed Chachalaca
 Bearded Guan
 Red-faced Guan
 White-winged Guan
 Cauca Guan

K* Ecuador, Peru
 K* Ecuador, Peru
 K* Argentina, Bolivia
 E Peru
 E Colombia

<i>Penelope jacucaca</i>	White-browed Guan	K*	Brazil
<i>Penelope ochrogaster</i>	Chestnut-bellied Guan	K*	Brazil
<i>Pipile jacutinga</i>	Black-fronted Piping Guan	E	Argentina, Brazil, Paraguay
<i>Penelopina nigra</i>	Highland Guan	K*	El Salvador, Guatemala, Honduras, Mexico, Nicaragua
<i>Oreophasis derbianus</i>	Horned Guan	E	Guatemala, Mexico
<i>Mitu mitu</i>	Alagoas Curassow	E	Brazil
<i>Pauxi pauxi</i>	Northern Helmeted Curassow	K*	Colombia, Venezuela
<i>Pauxi unicornis</i>	Southern Helmeted Curassow	K*	Bolivia, Peru
<i>Crax alberti</i>	Blue-billed Curassow	V	Colombia
<i>Crax globulosa</i>	Wattled Curassow	K*	Bolivia, Brazil, Colombia, Ecuador, Peru
<i>Crax blumenbachii</i>	Red-billed Curassow	E	Bahia, Espirito Santo (Brazil)
Family Phasianidae			
<i>Agriocharis ocellata</i>	Ocellated Turkey	K*	Belize, Guatemala, Mexico
<i>Tetrao mlkosiewiczzi</i>	Caucasian Black Grouse	K*	Turkey, U.S.S.R., Iran
<i>Dendrortyx barbatus</i>	Bearded Wood Partridge	K*	Mexico
<i>Odontophorus hyperythrus</i>	Chestnut Wood-quail	K*	Colombia
<i>Odontophorus strophium</i>	Gorgeted Wood-quail	E	Colombia
<i>Francolinus ochropectus</i>	Djibouti Francolin	E	Djibouti
<i>Francolinus camerunensis</i>	Mount Cameroon Francolin	R	Cameroon
<i>Francolinus swierstrai</i>	Swierstra's Francolin	I	Angola
<i>Francolinus nahani</i>	Nahan's Francolin	R	Uganda, Zaire
<i>Francolinus gularis</i>	Swamp Francolin	V	Bangladesh, India, Nepal
<i>Perdicula manipurensis</i>	Manipur Bush Quail	R	Bangladesh, India
<i>Arborophila rufipectus</i>	Sichuan Partridge	E	China
<i>Arborophila gingica</i>	White-necklaced Partridge	R	China
<i>Arborophila davidi</i>	Orange-necked Partridge	I	Vietnam
<i>Arborophila cambodiana</i>	Chestnut-headed Partridge	R	Cambodia, Thailand
<i>Arborophila ardens</i>	White-eared Partridge	E	China
<i>Arborophila charltonii</i>	Chestnut-necklaced Partridge	R	Thailand, Indonesia, Malaysia

<i>Ophrysia superciliosa</i>	Himalayan Quail	Ex	[India]
<i>Tragopan melanocephalus</i>	Western Tragopan	V	India, Pakistan
<i>Tragopan blythii</i>	Blyth's Tragopan	I	Bhutan, Burma, China, India
<i>Tragopan caboti</i>	Cabot's Tragopan	R	China
<i>Lophophorus sclateri</i>	Sclater's Monal	I	China, Burma, India
<i>Lophophorus lhuysii</i>	Chinese Monal	R	China
<i>Lophura imperialis</i>	Imperial Pheasant	R	Laos, Vietnam
<i>Lophura hatinensis</i>	Vietnam Pheasant	I	Vietnam
<i>Lophura edwardsi</i>	Edwards' Pheasant	I	Vietnam
<i>Lophura swinhoii</i>	Swinhoe's Pheasant	V	Taiwan
<i>Lophura inornata</i>	Salvadori's Pheasant	V	Sumatra (Indonesia)
<i>Lophura ignita</i>	Crested Fireback	V	Burma, Thailand, Brunei, Indonesia, Malaysia
<i>Lophura diardi</i>	Siamese Fireback	R	Cambodia, Laos, Thailand, Vietnam
<i>Lophura bulweri</i>	Bulwer's Pheasant	R	Kalimantan (Indonesia), Sabah & Sarawak (Malaysia), Brunei
<i>Crossoptilon mantchuricum</i>	Brown Eared Pheasant	V	Hubei, Shanxi (China)
<i>Catreus wallichi</i>	Cheer Pheasant	V	India, Nepal, Pakistan
<i>Symaticus ellioti</i>	Elliot's Pheasant	V	China
<i>Symaticus humiae</i>	Hume's Pheasant	R	Burma, China, India
<i>Symaticus mikado</i>	Mikado Pheasant	R	Taiwan
<i>Symaticus reevesii</i>	Reeves' Pheasant	R	China
<i>Chrysolophus amherstiae</i>	Lady Amherst's Pheasant	K*	China
<i>Polyplectron germaini</i>	Germain's Peacock-pheasant	R	Vietnam
<i>Polyplectron malacense</i>	Malaysian Peacock-pheasant	R	Burma, Thailand, Malaysia
<i>Polyplectron emphanum</i>	Palawan Peacock-pheasant	R	Palawan (Philippines)
<i>Rheinardia ocellata</i>	Crested Argus	R	Laos, Malaysia, Vietnam
<i>Pavo muticus</i>	Green Peafowl	V	SE Asia
<i>Afropavo congensis</i>	Congo Peacock	K*	Zaire
<i>Agelastes meleagrides</i>	White-breasted Guineafowl	E	West Africa

Order GRUIFORMES
Family Mesitornithidae

Mesitornis variegata
Mesitornis unicolor
Monias benschi

White-breasted Mesite
Brown Mesite
Subdesert Monias

R Madagascar
R Madagascar
R Madagascar

Family Turnicidae

Turnix everetti
Turnix worcesteri
Turnix melanogaster
Turnix olivii

Sumba Buttonquail
Worcester's Buttonquail
Black-breasted Buttonquail
Buff-breasted Buttonquail

I Sumba (Indonesia)
I Luzon (Philippines)
K* Australia
K* Australia

Family Pedionomidae

Pedionomus torquatus

Plains-wanderer

K* Australia

Family Gruidae

Grus nigricollis
Grus monacha

Black-necked Crane
Hooded Crane

R Bhutan, Burma, China, India, Vietnam
R China, Japan, North Korea, South Korea, U.S.S.R.

Grus japonensis

Japanese Crane

V China, Japan, North Korea, South Korea, U.S.S.R.

Grus americana

Whooping Crane

E Canada, U.S.A.

Grus vipio

White-naped Crane

R China, Japan, North Korea, South Korea, U.S.S.R.

Grus leucogeranus

Siberian Crane

R Afghanistan, China, India, Iran, U.S.S.R., Pakistan
K* Ethiopia, Central & Southern Africa

Bugeranus carunculatus

Wattled Crane

Family Rallidae

Sarothrura ayresi

White-winged Flufftail

I Ethiopia, Southern Africa

<i>Sarothrura watersi</i>	Slender-billed Flufftail	I	Madagascar
<i>Coturnicops exquisitus</i>	Siberian Crane	R	U.S.S.R., China, Japan, S. Korea
<i>Laterallus tuerosi</i>	Junin Rail	K*	Peru
<i>Laterallus xenopterus</i>	Horqueta or Rufous-faced Crane	K*	Brazil, Paraguay
<i>Laterallus leuraudi</i>	Rusty-flanked Crane	K*	Venezuela
<i>Nesoclopeus poecilopterus</i>	Bar-winged Rail	E	Fiji
<i>Nesoclopeus woodfordi</i>	Woodford's Rail	Ex	[Papua New Guinea, Solomon Is]
<i>Gallirallus okinawae</i>	Okinawa Rail	V	Japan
<i>Gallirallus owstoni</i>	Guam Rail	E	Guam (U.S.A.)
<i>Gallirallus lafresnayanus</i>	New Caledonian Rail	I	New Caledonia (France)
<i>Gallirallus sylvestris</i>	Lord Howe Rail	E	Lord Howe I. (Australia)
<i>Crex crex</i>	Corncrake	R	Africa, Palaearctic
<i>Aramidopsis platani</i>	Snoring Rail	I	Sulawesi (Indonesia)
<i>Dryolimnas mirificus</i>	Brown-banded Rail	I	Luzon (Philippines)
<i>Atlantisia rogersi</i>	Inaccessible Rail	R	Inaccessible I. (U.K.)
<i>Rallus wetmorei</i>	Plain-flanked Rail	K*	Venezuela
<i>Rallus antarcticus</i>	Austral Rail	K*	Argentina, Chile
<i>Rallus semiplumbeus</i>	Bogota Rail	V	Colombia
<i>Gymnocrex rosenbergii</i>	Bald-faced Rail	I	Sulawesi (Indonesia)
<i>Amaurornis olivieri</i>	Sakalava Rail	K	Madagascar
<i>Porzana spiloptera</i>	Dot-winged Crane	K*	Argentina, Uruguay
<i>Porzana atra</i>	Henderson Island Rail	R	Henderson I. (U.K.)
<i>Cyanolimnas cerverai</i>	Zapata Rail	R	Cuba
<i>Habroptila wallacii</i>	Invisible Rail	I	Halmahera (Indonesia)
<i>Notornis mantelli</i>	Takake	E	New Zealand
<i>Pareudiastes silvestris</i>	San Cristobal Mountain Rail	I	San Cristobal (Solomon Is)
<i>Gallinula comeri</i>	Gough Moorhen	R	Gough I. (U.K.)
<i>Fulica cornuta</i>	Horned Coot	R	Argentina, Bolivia, Chile
Family Heliornithidae			
<i>Heliopais personata</i>	Masked Finfoot	V	SE Asia

Family Rhynochetidae
Rhynochetos jubatus

Family Otididae

<i>Tetrax tetrax</i>	Kagu	E	New Caledonia (France)
<i>Otis tarda</i>	Little Bustard	R	Palearctic
<i>Ardeotis nigricaps</i>	Great Bustard	R	Palearctic
<i>Chlamydotis undulata</i>	Great Indian Bustard	R	India
<i>Houbaropsis bengalensis</i>	Houbara Bustard	V	Palearctic
<i>Sypheotides indica</i>	Bengal Florican	E	India, Cambodia, Nepal, Vietnam
	Lesser Florican	E	India, Nepal, Pakistan

Order CHARADRIIFORMES

Family Haematopodidae

<i>Haematopus meadewaldi</i>	Canarian Black Oystercatcher	Ex	[Canary Is (Spain)]
<i>Haematopus chathamensis</i>	Chatham Island Oystercatcher	E	Chatham Is (New Zealand)

Family Recurvirostridae

<i>Himantopus novaezelandiae</i>	Black Stilt	E	New Zealand
----------------------------------	-------------	---	-------------

Family Glareolidae

<i>Rhinoptilus bitorquatus</i>	Jerdon's Courser	I	India
--------------------------------	------------------	---	-------

Family Charadriidae

<i>Vanellus macropterus</i>	Javan Wattled Lapwing	Ex	[Java (Indonesia)]
<i>Vanellus gregarius</i>	Sociable Lapwing	R	U.S.S.R.
<i>Charadrius melodus</i>	Piping Plover	K*	Canada, U.S.A.
<i>Charadrius thoracicus</i>	Madagascar Plover	R	Madagascar
<i>Charadrius sanctaehelenae</i>	St. Helena Plover	R	St. Helena (U.K.)
<i>Charadrius rubricollis</i>	Hooded Plover	K*	Australia
<i>Thinornis novaeseelandiae</i>	Shore Plover	E	Chatham Is (New Zealand)

Family Scolopacidae

Numenius borealis
Numenius tahitiensis
Numenius tenuirostris
Tringa guttifer
Prosobonia cancellatus
Scolopax celebensis
Scolopax rochussenii
Coenocorypha aucklandica
Gallinago nemoricola
Limnodromus semipalmatus
Calidris paramelanotos
Eurynorhynchus pygmeus

Eskimo Curlew
 Bristle-thighed Curlew
 Slender-billed Curlew
 Nordmann's Greenshank
 Tuamotu Sandpiper
 Sulawesi Woodcock
 Obi Woodcock
 Sub-antarctic Snipe
 Wood Snipe
 Asian Dowitcher
 Cox's Sandpiper
 Spoon-billed Sandpiper

E Canada, U.S.A.
 R Alaska (U.S.A.), Pacific Ocean
 K* Palaeartic
 I SE Asia
 V Tuamotu Archipelago (France)
 I Sulawesi (Indonesia)
 I Obi (Indonesia)
 R New Zealand
 I S & SE Asia
 R Asia
 K* Australia
 I U.S.S.R., S.E. Asia

Family Laridae

Larus leucophthalmus
Larus atlanticus
Larus audouinii
Larus relictus
Larus saundersi

White-eyed Gull
 Olrog's Gull
 Audouin's Gull
 Relict Gull
 Saunders' Gull

K* Red Sea
 K* Argentina, Brazil, Uruguay
 R Mediterranean, Morocco
 R China, Mongolia, U.S.S.R.
 R China, Hong Kong, Japan, South Korea, Taiwan

Sterna virgata

Kerguelen Tern

V Prince Edward I. (South Africa), Crozet & Kerguelen Is (France)

Sterna albobriata

Black-fronted Tern

Sterna balaenarum

Damara Tern

Sterna bernsteini

Chinese Crested Tern

Family Alcidae

Synthliboramphus wumizusume

Japanese Murrelet

V Japan, N. Korea, S. Korea, U.S.S.R.

Order COLUMBIFORMES

Family Columbidae

<i>Columba oliviae</i>	Somali Pigeon	R	Somalia
<i>Columba trocaz</i>	Madeira Laurel Pigeon	R	Madeira (Portugal)
<i>Columba bollii</i>	Dark-tailed Laurel Pigeon	R	Canary Is (Spain)
<i>Columba junoninae</i>	White-tailed Laurel Pigeon	R	Canary Is (Spain)
<i>Columba thomensis</i>	Maroon Wood-pigeon	V	Sao Tome
<i>Columba elphinstonii</i>	Nilgiri Wood-pigeon	V	India
<i>Columba torringtoni</i>	Sri Lanka Wood-pigeon	V	Sri Lanka
<i>Columba punicea</i>	Pale-capped Pigeon	R	China, Bangladesh, Burma, India, Thailand
<i>Columba argentina</i>	Grey Wood-pigeon	V	Indonesia, Burong Is (Malaysia)
<i>Columba pallidiceps</i>	Yellow-legged Pigeon	I	Bismarck Arch. (Papua New Guinea), Solomon Is
<i>Columba caribaea</i>	Ring-tailed Pigeon	V	Jamaica
<i>Nesoenas mayeri</i>	Pink Pigeon	E	Mauritius
<i>Zenaida graysoni</i>	Socorro Dove	E	Mexico
<i>Columbina cyanopsis</i>	Blue-eyed Ground Dove	K*	Brazil
<i>Claravis godefrida</i>	Purple-winged Ground Dove	V	Argentina, Brazil, Paraguay
<i>Leptotila wellsi</i>	Grenada Dove	E	Grenada
<i>Leptotila ochraceiventris</i>	Ochre-bellied Dove	K*	Ecuador, Peru
<i>Leptotila conoveri</i>	Tolima Dove	I	Colombia
<i>Geotrygon caniceps</i>	Grey-headed Quail-dove	E	Cuba, Dominican Republic
<i>Geotrygon mystacea</i>	Bridled Quail-dove	K*	Lesser Antilles, Virgin Is.
<i>Starnoenas cyanocephala</i>	Blue-headed Quail-dove	R	Cuba
<i>Caloenas nicobarica</i>	Nicobar Pigeon	R	S.E. Asia, Indonesia, Papua New Guinea, Palau (F.S.M.)
<i>Galllicolumba platenae</i>	Mindoro Bleeding-heart	I	Mindoro (Philippines)
<i>Galllicolumba keayi</i>	Negros Bleeding-heart	I	Negros (Philippines)
<i>Galllicolumba menagei</i>	Sulu Bleeding-heart	I	Tawi Tawi (Philippines)
<i>Galllicolumba erythroptera</i>	Polynesian Ground Dove	E	Society Is, Tuamotu Archipelago (France)

<i>Gallicolumba sanctaerucis</i>	Santa Cruz Ground Dove	R	Vanuatu, Solomon Is.
<i>Gallicolumba salamonis</i>	Thick-billed Ground Dove	I	Solomon Is.
<i>Gallicolumba rubescens</i>	Marquesas Ground Dove	R	Marquesas (France)
<i>Gallicolumba hoedtii</i>	Wetar Ground Dove	I	Wetar & Timor (Indonesia)
<i>Microgoura meeki</i>	Choiseul Pigeon	Ex	[Choiseul (Solomon Is.)]
<i>Goura cristata</i>	Western Crowned Pigeon	R	Irian Jaya (Indonesia)
<i>Goura scheepmakeri</i>	Southern Crowned Pigeon	R	Irian Jaya (Indonesia), Papua New Guinea
<i>Goura victoria</i>	Victoria Crowned Pigeon	R	Irian Jaya (Indonesia), Papua New Guinea
<i>Didunculus strigirostris</i>	Tooth-billed Pigeon	V	Western Samoa
<i>Treron teysmannii</i>	Sumba Green-pigeon	V	Sumba (Indonesia)
<i>Treron psittacea</i>	Timor Green-pigeon	V	Timor, Roti & Seman (Indonesia)
<i>Treron capellei</i>	Large Green-pigeon	V	Burma, Thailand, Brunei, Indonesia, Malaysia
<i>Ptilinopus dohertyi</i>	Red-naped Fruit-dove	R	Sumba (Indonesia)
<i>Ptilinopus roseicapilla</i>	Mariana Fruit-dove	R	Guam, N. Mariana Is. (U.S.A.)
<i>Ptilinopus huttoni</i>	Rapa Fruit-dove	E	Austral Is (France)
<i>Ptilinopus mercieri</i>	Marquesas Fruit-dove	Ex	[Marquesas Is (France)]
<i>Ptilinopus granulifrons</i>	Carunculated Fruit-dove	I	Obi (Indonesia)
<i>Ptilinopus arcanus</i>	Negros Fruit-dove	I	Negros (Philippines)
<i>Drepanoptila holosericea</i>	Cloven-feathered Dove	R	New Caledonia (France)
<i>Ducula mindorensis</i>	Mindoro Imperial-pigeon	R	Mindoro (Philippines)
<i>Ducula aurorae</i>	Polynesian Imperial-pigeon	R	Society Is, Tuamotu Arch. (France)
<i>Ducula galeata</i>	Marquesas Imperial-pigeon	V	Marquesas Is (France)
<i>Ducula whartoni</i>	Christmas Imperial-pigeon	R	Christmas I. (Australia)
<i>Ducula pickeringii</i>	Grey Imperial-pigeon	R	Indonesia, Malaysia, Philippines
<i>Ducula goliath</i>	Giant Imperial-pigeon	V	New Caledonia (France)
<i>Eos cyanogenia</i>	Black-winged Lory	R	Irian Jaya (Indonesia)

Order PSITTACIFORMES

Family Loriidae

Eos cyanogenia

<i>Eos reticulata</i>	Blue-streaked Lory	R	Tanimbar Is (Indonesia)
<i>Eos histrio</i>	Red-and-blue Lory	R	Talaud & Sangihe (Indonesia)
<i>Lorius domicella</i>	Purple-naped Lory	R	Ambon & Seram (Indonesia)
<i>Vini kuhlii</i>	Kuhl's Lorikeet	R	Fr. Polynesia, Kiribati, Tubuai Is.
<i>Vini stephensi</i>	Stephen's Lorikeet	R	Henderson I., Pitcairn
<i>Vini peruviana</i>	Blue Lorikeet	V	Society Is, Tuamotu Archipelago (France)
<i>Vini ultramarina</i>	Ultramarine Lorikeet	V	Marquesas Is (France)
<i>Charmosyna toxopei</i>	Blue-fronted Lorikeet	I	Buru (Indonesia)
<i>Charmosyna diadema</i>	New Caledonian Lorikeet	I	New Caledonia (France)
Family Cacatuidae			
<i>Cacatua sulphurea</i>	Yellow-crested Cockatoo	V	Indonesia
<i>Cacatua moluccensis</i>	Salmon-crested Cockatoo	E	Seram, Ambon, Haruku, Saparua (Indonesia)
<i>Cacatua alba</i>	White Cockatoo	E	Moluccas (Indonesia)
<i>Cacatua haematuropygia</i>	Red-vented Cockatoo	E	Philippines
<i>Cacatua goffini</i>	Tanimbar Corella	E	Tanimbar Is (Indonesia)
Family Psittacidae			
<i>Psittaculirostris salvadorii</i>	Salvadori's Fig-parrot	R	Irian Java (Indonesia)
<i>Prioniturus luconensis</i>	Green Racquet-tail	R	Luzon & Marinduque (Philippines)
<i>Prioniturus mada</i>	Buru Racquet-tail	I	Buru (Indonesia)
<i>Polytelis alexandrae</i>	Princess Parrot	K*	Australia
<i>Psephotus chrysoterygius</i>	Golden-shouldered Parrot	R	Australia
<i>Psephotus dissimilis</i>	Hooded Parrot	K*	Australia
<i>Psephotus pulcherrimus</i>	Paradise Parrot	E	Australia
<i>Cyanoramphus unicolor</i>	Antipodes Parakeet	R	New Zealand
<i>Neophema chrysogaster</i>	Orange-bellied Parrot	R	Australia
<i>Neophema splendida</i>	Scarlet-chested Parrot	R	Australia
<i>Pezoporus wallicus</i>	Ground Parrot	E	Australia
<i>Geopsittacus occidentalis</i>	Night Parrot	I	S. Australia, W. Australia

<i>Agapornis nigrigenis</i>	Black-cheeked Lovebird	R	Zambia
<i>Loriculus catamene</i>	Sangihe Hanging Parrot	V	Sangihe (Indonesia)
<i>Psittacula intermedia</i>	Rothschild's Parakeet	I	India
<i>Psittacula caniceps</i>	Nicobar Parakeet	I	Nicobar Is (India)
<i>Psittacula eques</i> (replaces <i>P. echo</i>)	Mauritius Parakeet	E	Mauritius
<i>Anodorhynchus hyacinthinus</i>	Hyacinth Macaw	K*	Bolivia, Brazil, Paraguay
<i>Anodorhynchus glaucus</i>	Glaucous Macaw	Ex	[Argentina, Brazil, Paraguay, Uruguay]
<i>Anodorhynchus leari</i>	Lear's Macaw	E	Bahia (Brazil)
<i>Cyanopsitta spixii</i>	Little Blue Macaw	E	Brazil
<i>Ara glaucogularis</i>	Blue-throated Macaw	I	Bolivia
<i>Ara rubrogenys</i>	Red-fronted Macaw	K*	Bolivia
<i>Aratinga guarouba</i>	Golden Parakeet	V	Brazil
<i>Aratinga brevipes</i>	Socorro Parakeet	I	Revillagigedo Is (Mexico)
<i>Aratinga erythrogenys</i>	Red-masked Parakeet	K*	Ecuador, Peru
<i>Aratinga euops</i>	Cuban Parakeet	V	Cuba
<i>Aratinga auricapillus</i>	Golden-capped Parakeet	K*	Brazil
<i>Leptosittaca branickii</i>	Golden-plumed Parakeet	K*	Colombia, Ecuador, Peru
<i>Ognorhynchus icterotis</i>	Yellow-eared Parrot	V	Colombia, Ecuador
<i>Rhynchopsitta pachyrhyncha</i>	Thick-billed Parrot	V	Mexico and U.S.A.
<i>Rhynchopsitta terrisi</i>	Maroon-fronted Parrot	E	Mexico
<i>Pyrrhura cruentata</i>	Blue-throated Parakeet	R	Brazil
<i>Pyrrhura orcesi</i>	El Oro Parakeet	K*	Ecuador
<i>Pyrrhura perlata</i>	Pearly Parakeet	K*	Brazil
<i>Pyrrhura hypoxantha</i>	Yellow-sided Parakeet	K*	Brazil
<i>Pyrrhura albipectus</i>	White-necked Parakeet	K*	Ecuador
<i>Pyrrhura calliptera</i>	Brown-breasted Parakeet	K*	Colombia
<i>Bolborhynchus ferrugineifrons</i>	Rufous-fronted Parakeet	I	Colombia
<i>Brotopteryx pyrrhopterus</i>	Grey-cheeked Parakeet	K*	Ecuador, Peru
<i>Touit melanonota</i>	Brown-backed Parrotlet	R	Brazil
<i>Touit surda</i>	Golden-tailed Parrotlet	I	Brazil
<i>Touit stictoptera</i>	Spot-winged Parrotlet	K*	Colombia, Ecuador

Hapalopsittaca amazonina
Hapalopsittaca fuyetesi
Hapalopsittaca pyrrhops
Amazona leucocephala
Amazona vittata
Amazona tucumana
Amazona pretrei
Amazona viridigenalis
Amazona brasiliensis
Amazona dufresniana
Amazona rhodocorytha
Amazona xanthops
Amazona barbadensis
Amazona ochrocephala
Amazona vinacea
Amazona versicolor
Amazona arausiaca
Amazona guildingii
Amazona imperialis
Triclaria malachitacea
Strigops habroptilus

Rusty-faced Parrot
 Fuertes' Parrot
 Red-faced Parrot
 Cuban Parrot
 Puerto Rican Parrot
 Tucuman Parrot
 Red-spectacled Parrot
 Red-crowned Parrot
 Red-tailed Parrot
 Blue-cheeked Parrot
 Red-browed Parrot
 Yellow-faced Parrot
 Yellow-shouldered Parrot
 Yellow-crowned Parrot
 Vinaceous Parrot
 St. Lucia Parrot
 Red-necked Parrot
 St. Vincent Parrot
 Imperial Parrot
 Purple-bellied Parrot
 Kakapo

K* Colombia, Ecuador, Venezuela
 K* Colombia
 K* Ecuador, Peru
 K* Cayman Is., Cuba
 E Puerto Rico
 K* Argentina, Bolivia
 V Argentina, Brazil, Paraguay, Uruguay
 V Mexico
 E Brazil
 K* Brazil, Venezuela, Guianas
 K* Brazil
 K* Brazil
 V Netherlands Antilles, Venezuela
 K* Central & South America
 K* Argentina, Brazil, Paraguay
 R St Lucia
 E Dominica
 R St Vincent
 E Dominica
 K* Brazil
 E South Island (New Zealand)

Order CUCULIFORMES

Family Musophagidae

Tauraco bannermani
Tauraco ruspolii

Bannerman's Turaco
 Prince Ruspoli's Turaco

E Cameroon
 R Ethiopia

Family Cuculidae

Chrysococcyx rufomerus
Coccyzus ferrugineus
Phaenicophaeus pyrrhocephalus

Green-cheeked Bronze Cuckoo
 Cocos Cuckoo
 Red-faced Malkoha

I Romang & Damar (Indonesia)
 R Costa Rica
 V India, Sri Lanka

Neomorphus radiolosus
Carpococcyx radiceus
Coua delalandei
Centropus chlororhynchus
Centropus rectunguis
Centropus steerii
Centropus nigrorufus

Order STRIGIFORMES

Family Tytonidae

Tyto soumagnei
Tyto nigrobrunnea
Tyto inexpectata
Tyto sororcula
Tyto aurantia
Phodilus prigoginei

Family Strigidae

Otus sagittatus
Otus ireneae
Otus stresemanni
Otus angelinae
Otus alfredi
Otus mindorensis
Otus pauliani
Otus insularis
Otus hartlaubi
Bubo vosseleri
Ketupa blakistoni
Scotopelia ussheri
Glaucidium albertinum

Banded Ground Cuckoo
Sunda Ground Cuckoo
Snail-eating Coua
Green-billed Coucal
Short-toed Coucal
Steere's Coucal
Javan Coucal

Madagascar Red Owl
Taliabu Owl
Minahassa Owl
Lesser Masked Owl
Golden Owl
Congo Bay Owl

White-fronted Scops-owl
Sokoke Scops-owl
Sumatran Scops-owl
Javan Scops-owl
Flores Scops-owl
Mindoro Scops-owl
Grand Comoro Scops-owl
Seychelles Scops-owl
Sao Tome Scops-owl
Usambara Eagle-owl
Blakiston's Fish-owl
Rufous Fishing Owl
Albertine Owlet

K* Colombia, Ecuador
K Brunei, Indonesia, Malaysia
Ex [Madagascar]
E Sri Lanka
R Brunei, Indonesia, Malaysia
I Mindoro (Philippines)
V Java (Indonesia)

I Madagascar
I Taliabu (Indonesia)
I Sulawesi (Indonesia)
I Buru & Tanimbar Is (Indonesia)
K New Britain (Papua New Guinea)
I Burundi, Zaire

I Burma, Thailand, Indonesia, Malaysia
E Kenya
I Sumatra (Indonesia)
R Java (Indonesia)
I Flores (Indonesia)
R Mindoro (Indonesia)
K Comoro Is
R Seychelles
R Sao Tome
R Tanzania
R China, Japan, U.S.S.R.
R West Africa
R Rwanda, Zaire

Athene blewitti
Strix occidentalis

Order CAPRIMULGIFORMES

Family Podargidae

Batrachostomus harti

Forest Owl
Spotted Owl

Ex [India]
K* Canada, U.S., Mexico

Dulit Frogmouth

K Kalimantan (Indonesia), Sarawak (Malaysia)

Family Nyctibiidae

Nyctibius aethereus

Nyctibius leucopterus

Nyctibius bracteatus

Long-tailed Potoo

White-winged Potoo

Rufous Potoo

K* Brazil, Colombia, Ecuador, Guyana, Paraguay, Peru, Venezuela

K* Brazil

K* Colombia, Ecuador, Guyana, Peru

Family Caprimulgidae

Eurostopodus diabolicus

Siphonorhis americanus

Caprimulgus noctitherus

Caprimulgus candicans

Caprimulgus centralasicus

Caprimulgus pulchellus

Macropsalis creagra

Eleothreptus anomalus

Satanic Nightjar
Jamaican Pauraque
Puerto Rican Nightjar
White-winged Nightjar
Vaurie's Nightjar
Salvadori's Nightjar
Long-trained Nightjar
Sickle-winged Nightjar

I Sulawesi (Indonesia)
Ex [Jamaica]
R Puerto Rico
K* Brazil, Paraguay
I China
I Sumatra & Java (Indonesia)
K* Argentina, Brazil
K* Argentina, Brazil, Paraguay, Uruguay

Order APODIFORMES

Family Apodidae

Cypseloides temosi

Hydrochous gigas

Aerodramus elaphrus

Aerodramus leucophaeus

White-chested Swift
Giant Swiftlet

Seychelles Swiftlet
Tahiti Swiftlet

K* Colombia
I Sumatra & Java (Indonesia), Peninsular Malaysia
R Seychelles
V Society Is (France)

Aerodramus sawtelli
Schoutedenopus schoutedeni
Apus sladeniae
Apus acuticauda

Family Trochilidae

Androdon aequatorialis
Glaucis dohrnii
Campylopterus ensipennis
Popelairia letitiae
Lepidopyga tilliae
Amazilia luciae
Amazilia distans
Amazilia boucardi
Amazilia castaneiventris
Eupherusa poliocerca
Eupherusa cyanophrys
Hylonympha macrocerca
Aglaeactis aliciae
Coeligena prunellei
Sephanoides fernandensis
Helianthus regalis
Eriocnemis nigrirostris
Eriocnemis godini
Eriocnemis mirabilis
Eriocnemis derbyi
Haplophastria lugens
Metallura odonae
Metallura baroni
Taphrotesbia griseiventris
Augastes scutatus

Atiu Swiftlet
 Schouteden's Swift
 Fernando Po Swift
 Dark-rumped Swift

Tooth-billed Hummingbird
 Hook-billed Hermit
 White-tailed Sabrewing
 Coppery Thorntail
 Sapphire-bellied Hummingbird
 Honduran Emerald
 Tachira Emerald
 Mangrove Hummingbird
 Chestnut-bellied Hummingbird
 White-tailed Hummingbird
 Blue-capped Hummingbird
 Scissor-tailed Hummingbird
 Purple-backed Sunbeam
 Black Inca
 Juan Fernandez Firecrown
 Royal Sunangel
 Black-breasted Puffleg
 Turquoise-throated Puffleg
 Colorful Puffleg
 Black-thighed Puffleg
 Hoary Puffleg
 Neblina Metaltail
 Violet-throated Metaltail
 Grey-bellied Comet
 Hyacinth Visorbearer

R Cook Is.
 I Zaire
 K Angola, Cameroon, Fernando Po
 (Equatorial Guinea), Nigeria
 I India

K* Panama, Colombia, Ecuador
 E Bahia, Espirito Santo (Brazil)
 K* Tobago (Trinidad), Venezuela
 K* Bolivia
 K* Colombia
 K* Honduras
 K* Venezuela
 K* Costa Rica
 K* Colombia
 K* Mexico
 K* Mexico
 K* Venezuela
 K* Peru
 I Colombia
 V Juan Fernandez Is (Chile)
 K* Peru
 K* Ecuador
 K* Ecuador
 K* Colombia
 K* Colombia, Ecuador
 K* Colombia, Ecuador
 K* Peru
 K* Ecuador
 K* Peru
 K* Brazil

Loddigesia mirabilis
Calypte helenae
Eulidia yarrellii
Acestrura bombus
Acestrura berlepschi
Selasphorus ardens

Order TROGONIFORMES

Family Trogonidae

Pharomachrus mocinno
Eupilotis neoxenus
Trogon bairdii

Order CORACIIFORMES

Family Alcedinidae

Alcedo hercules

Halcyon australasia
Halcyon mangai
Halcyon gambieri
Halcyon godeffroyi
Halcyon bougainvillei
Actenoides hombroni
Tanyseptera riedelii

Family Momotidae

Electron carinatum

Family Brachypteraciidae

Brachypteracias leptosomus
Brachypteracias squamigera
Atelornis crossleyi

Marvellous Spatuletail
Bee Hummingbird
Chilean Woodstar
Little Woodstar
Esmeraldas Woodstar
Glow-throated Hummingbird

Resplendent Quetzal
Eared Trogon
Baird's Trogon

Blyth's Kingfisher

Cinnamon-banded Kingfisher
Mangaia Kingfisher
Tuamotu Kingfisher
Marquesas Kingfisher
Moustached Kingfisher
Blue-capped Wood Kingfisher
Biak Paradise Kingfisher

Keel-billed Motmot

Short-legged Ground Roller
Scaly Ground Roller
Rufous-headed Ground Roller

K* Peru
R Cuba
R Bolivia, Chile
K* Ecuador, Peru
K* Ecuador
K* Panama

V Central America
K* Mexico, U.S.A.
K* Costa Rica, Panama

I China, Bangladesh, Bhutan, Burma,
India, Nepal, Vietnam
V Lesser Sundas (Indonesia)
R Cook Is
R Tuamotu Archipelago (France)
V Marquesas Is (France)
I Papua New Guinea, Solomon Is
V Mindano (Philippines)
V Indonesia

K* Central America

R Madagascar
R Madagascar
R Madagascar

Uratelornis chimaera

Long-tailed Ground Roller

R Madagascar

Family Bucerotidae

Aceros nipalensis

Rufous-necked Hornbill

R SE Asia

Aceros corrugatus

Wrinkled Hornbill

R Thailand, Brunei, Indonesia, Malaysia

Aceros everetti

Sumba Hornbill

V Sumba (Indonesia)

Aceros subruficollis

Plain-pouched Hornbill

I Burma, India, Thailand, Indonesia

Aceros narcondami

Narcondam Hornbill

R Andaman Is (India)

Anthracoceros montani

Sulu Hornbill

R Sulu Is (Philippines)

Rhinoplax vigil

Helmeted Hornbill

K Burma, Indonesia, Malaysia, Thailand

Order PICIFORMES

Family Galbulidae

Jacamaralcyon tridactyla

Three-toed Jacamar

K* Brazil

Family Capitonidae

Capito hypoleucus

White-mantled Barbet

K* Colombia

Semnorhis ramphastinus

Toucan Barbet

V Colombia, Ecuador

Megalaima javensis

Black-banded Barbet

R Java (Indonesia)

Pogoniulus makawai

White-chested Tinkerbird

I Zambia

Family Indicatoridae

Melignomon eisenbrauti

Yellow-footed Honeyguide

K Cameroon, Ghana, Liberia

Family Ramphastidae

Aulacorhynchus huallagae

Yellow-browed Toucanet

K* Peru

Family Picidae

Picoides borealis

Red-cockaded Woodpecker

V U.S.A.

Colaptes fernandinae

Cuban Flicker

K Cuba

<i>Dryocopus galeatus</i>	Helmeted Woodpecker	E	Argentina, Brazil, Paraguay
<i>Campephilus principalis</i>	Ivory-billed Woodpecker	E	Cuba, U.S.A.
<i>Campephilus imperialis</i>	Imperial Woodpecker	E	Mexico
<i>Picus ruberi</i>	Red-collared Woodpecker	I	Laos, Vietnam
<i>Sapheopipo noguchii</i>	Okinawa Woodpecker	E	Ryukyu Is (Japan)

Order PASSERIFORMES

Family Eurylaimidae

Pseudocalyptomena graueri

Family Dendrocolaptidae

Xiphocolaptes falcirostris

Family Furnariidae

Cinclodes palliatus

Cinclodes aricomae

Aphrastura masafuerae

Leptasthenura xenothorax

Synallaxis infuscata

Synallaxis courseni

Synallaxis cherriei

Synallaxis zimmeri

Asthenes huancavelicae

Asthenes anthoides

Asthenes urubambensis

Thripophaga cherriei

Thripophaga macroura

Thripophaga berlepschi

Clibanornis dendrocolaptoides

Margarornis tatei

Philydor novaesi

Simoxenops striatus

African Green Broadbill

Moustached Woodcreeper

White-bellied Cinclodes

Royal Cinclodes

Masafuerae Raydito

White-browed Tit-spinetail

Plain Spinetail

Apurimac Spinetail

Chestnut-throated Spinetail

Russet-bellied Spinetail

Pale-tailed Canastero

Austral Canastero

Line-fronted Canastero

Orinoco Softtail

Striated Softtail

Russet-mantled Softtail

Canebrake Groundcreeper

White-throated Barbtail

Alagoas Foliage-gleaner

Bolivian Recurvebill

R Uganda, Zaire

K* Brazil

K* Peru

K* Bolivia, Peru

R Chile

K* Peru

K* Brazil

K* Peru

K* Brazil, Ecuador, Peru

K* Peru

K* Peru

K* Argentina, Chile

K* Peru

K* Venezuela

K* Brazil

K* Peru

K* Argentina, Brazil, Paraguay

K* Venezuela

K* Brazil

K* Bolivia

Automolus ruficollis
Automolus erythrocephalus
Megaxenops parnaguae

Family Formicariidae

Biatas nigropectus
Thamnophilus zarumae
Thamnophilus praecox
Clytoctantes alixii
Xenornis setifrons
Thamnomanes plumbeus
Mymotherula minor
Mymotherula grisea
Herpsilochmus pileatus
Herpsilochmus pectoralis
Herpsilochmus parkeri
Formicivora itheringi
Formicivora erythronotos
Terenura sharpei
Terenura sicki
Cercomacra brasiliana
Cercomacra carbonaria
Pyriglena atra
Rhopornis ardesiaca
Myrmeciza ruficauda
Myrmeciza griseiceps
Myrmeciza sictothorax
Rhegmatorhina hoffmannsi
Phlegopsis barringeri
Formicarius rufifrons
Grallaria gigantea
Grallaria alleni

Rufous-necked Foliage-gleaner
Henna-hooded Foliage-gleaner
Great Xenops

White-bearded Antshrike
Chapman's Antshrike
Cocha Antshrike
Recurve-billed Bushbird
Speckled Antshrike
Plumbeous Antshrike
Salvadori's Antwren
Ashy Antwren
Black-capped Antwren
Pectoral Antwren
Ash-throated Antwren
Narrow-billed Antwren
Black-hooded Antwren
Yellow-rumped Antwren
Orange-bellied Antwren
Rio de Janeiro Antbird
Rio Branco Antbird
Fringe-backed Fire-eye
Slender Antbird
Scalloped Antbird
Grey-headed Antbird
Spot-breasted Antbird
White-breasted Antbird
Argus Bare-eye
Rufous-fronted Anthrush
Giant Antpitta
Moustached Antpitta

K* Ecuador, Peru
K* Ecuador, Peru
K* Brazil

K* Argentina, Brazil
K* Ecuador, Peru
K* Ecuador, Peru
K* Colombia, Venezuela
K* Panama, Colombia
K* Brazil
K* Brazil
K* Bolivia
K* Brazil
K* Brazil
K* Peru
V Brazil
E Brazil
K* Bolivia, Peru
K* Brazil
K* Brazil
K* Brazil
E Bahia (Brazil)
V Bahia (Brazil)
K* Brazil
K* Ecuador, Peru
K* Brazil
K* Brazil
K* Colombia
K* Peru
K* Colombia, Ecuador
I Colombia

<i>Grallaria chthonia</i>	Tachira Antpitta	K*	Venezuela
<i>Grallaria rufocinerea</i>	Bicolored Antpitta	K*	Colombia
<i>Grallaria milleri</i>	Brown-banded Antpitta	I	Colombia
<i>Grallaricula lineifrons</i>	Crescent-faced Antpitta	K*	Colombia, Ecuador
<i>Grallaricula cucullata</i>	Hooded Antpitta	K*	Colombia, Venezuela
Family Conopophagidae			
<i>Conopophaga roberti</i>	Hooded Gnateater	K*	Brazil
Family Rhinocryptidae			
<i>Merulaxis stresemanni</i>	Stresemann's Bristlefront	I	Bahia (Brazil)
<i>Scytalopus novacapitalis</i>	Brasilia Tapaculo	I	Goiás (Brazil)
Family Cotingidae			
<i>Laniisoma elegans</i>	Shrike-like Cotinga	K*	Bolivia, Brazil, Colombia, Ecuador, Peru, Venezuela
<i>Phibalura flavirostris</i>	Swallow-tailed Cotinga	K*	Argentina, Bolivia, Brazil
<i>Tijuca condita</i>	Grey-winged Cotinga	K*	Brazil
<i>Carpornis melanocephalus</i>	Black-headed Berryeater	K*	Brazil
<i>Ampelion stresemanni</i>	White-cheeked Cotinga	K*	Peru
<i>Iodopleura pipra</i>	Buff-throated Purpletuft	K*	Brazil
<i>Calyptura cristata</i>	Kinglet Calyptura	I	Brazil
<i>Lipaugus lanioides</i>	Cinnamon-vented Piha	K*	Brazil
<i>Cotinga ridgwayi</i>	Turquoise Cotinga	K*	Costa Rica, Panama
<i>Cotinga maculata</i>	Banded Cotinga	V	Brazil
<i>Xipholena atropurpurea</i>	White-winged Cotinga	V	Brazil
<i>Carpodectes antoniae</i>	Yellow-billed Cotinga	K*	Costa Rica, Panama
<i>Cephalopterus glabricollis</i>	Bare-necked Umbrellabird	K*	Costa Rica, Panama
<i>Cephalopterus penduliger</i>	Long-wattled Umbrellabird	V	Colombia, Ecuador
Family Pipridae			
<i>Piprites pileatus</i>	Black-capped Manakin	K*	Argentina, Brazil

<i>Pipra vilasboasi</i>	Golden-crowned Manakin	K*	Brazil
Family Tyrannidae			
<i>Hemitriccus aenigma</i>	Zimmer's Tody-tyrant	K*	Brazil
<i>Hemitriccus cinnamomeipectus</i>	Cinnamon-breasted Tody-tyrant	K*	Ecuador, Peru
<i>Idioptilon kaempferi</i>	Kaempfer's Tody-tyrant	K*	Brazil
<i>Ceratotriccus furcatus</i>	Fork-tailed Tody-tyrant	K*	Brazil
<i>Todirostrum viridanum</i>	Short-tailed Tody-flycatcher	K*	Venezuela
<i>Anairetes alpinus</i>	Ash-breasted Tit-tyrant	K*	Bolivia, Peru
<i>Serpophaga arguayae</i>	Bananal Tyrannulet	K*	Brazil
<i>Culicivora caudacuta</i>	Sharp-tailed Tyrant	K*	Argentina, Bolivia, Brazil, Paraguay
<i>Polystictus pectoralis</i>	Bearded Tachuri	K*	South America
<i>Polystictus superciliosus</i>	Grey-backed Tachuri	K*	Brazil
<i>Phylloscartes roquettei</i>	Minas Gerais Tyrannulet	K*	Brazil
<i>Phylloscartes paulistus</i>	Sao Paulo Tyrannulet	K*	Brazil, Paraguay
<i>Phylloscartes ceciliae</i>	Long-tailed Tyrannulet	K*	Brazil
<i>Platyrinchus leucorhynchus</i>	Russet-winged Spadebill	K*	Brazil, Paraguay
<i>Empidonax griseipectus</i>	Grey-breasted Flycatcher	K*	Ecuador, Peru
<i>Xolmis dominicana</i>	Black-and-White Monjita	K*	Argentina, Brazil, Paraguay, Uruguay
<i>Agriornis andicola</i>	White-tailed Shrike-tyrant	K*	Argentina, Bolivia, Chile, Ecuador, Peru
<i>Yctopa risoria</i>	Strange-tailed Tyrant	K*	Argentina, Brazil, Paraguay, Uruguay
Family Phytotomidae			
<i>Phytotoma raimondi</i>	Peruvian Plantcutter	K*	Peru
Family Pittidae			
<i>Pitta schneideri</i>	Schneider's Pitta	E	Sumatra (Indonesia)
<i>Pitta elliotii</i>	Bar-bellied Pitta	R	Cambodia, Laos, Thailand, Vietnam

<i>Pitta gurneyi</i>	Gurney's Pitta	E	Burma, Thailand
<i>Pitta kochi</i>	Whiskered Pitta	I	Luzon (Philippines)
<i>Pitta nympha</i>	Fairy Pitta	R	China, Hong Kong, Japan, S. Korea, Taiwan, Malaysia
<i>Pitta superba</i>	Superb Pitta	I	Bismarck Arch. (Papua New Guinea)
<i>Pitta steerii</i>	Azure-breasted Pitta	R	Philippines
<i>Pitta anerythra</i>	Black-faced Pitta	I	Bougainville, Solomon Is.
Family Xenicidae	Bush Wren	Ex	[New Zealand]
<i>Xenicus longipes</i>			
Family Philepittidae	Small-billed Asity	I	Madagascar
<i>Neodrepanis hypoxanthus</i>			
Family Atrichornithidae	Rufous Scrub-bird	R	Australia
<i>Atrichornis rufescens</i>	Noisy Scrub-bird	E	W. Australia
<i>Atrichornis clamosus</i>			
Family Alaudidae	Ash's Lark	K	Somalia
<i>Mirafra ashi</i>	Degodi Lark	K	Ethiopia
<i>Mirafra degodiensis</i>	Archer's clawed Lark	I	Somalia
<i>Heteromiraфра archeri</i>	Rudd's Lark	I	Lesotho, Swaziland
<i>Heteromiraфра ruddi</i>	Sidamo Lark	I	Ethiopia
<i>Heteromiraфра sidamoensis</i>	Botha's Lark	I	South Africa
<i>Spizocorys fringillaris</i>	Raso Lark	R	Cape Verde Is.
<i>Alauda razae</i>			
Family Hirundinidae	White-eyed River Martin	I	Thailand
<i>Pseudochelidon sirintarae</i>	Bahama Swallow	K	Bahamas
<i>Tachycineta cyaneoviridis</i>	White-tailed Swallow	R	Ethiopia
<i>Hirundo megaensis</i>	Red Sea Cliff Swallow	K*	Sudan
<i>Hirundo perdita</i>			

Family Motacillidae

Anthus sokokensis
Anthus chloris
Anthus chacoensis
Anthus nattereri

Sokoke Pipit
Yellow-breasted Pipit
Chaco Pipit
Ochre-breasted Pipit

V Kenya, Tanzania
K* Lesotho, Southern Africa
K* Argentina, Paraguay
K* Argentina, Brazil, Paraguay

Family Campephagidae

Coracina schistacea
Coracina typica
Coracina newtoni
Coracina coerulescens
Coracina sula
Coracina ostenta
Campephaga lobata

Slaty Cuckoo-shrike
Mauritius Cuckoo-shrike
Reunion Cuckoo-shrike
Blackish Cuckoo-shrike
Sula Cuckoo-shrike
White-winged Cuckoo-shrike
Ghana Cuckoo-shrike

R Banggai & Sula Is (Indonesia)
V Mauritius
V Reunion
R Luzon (Philippines)
R Sula Is (Indonesia)
R Philippines
V Ghana, Guinea, Cote d'Ivoire, Liberia, Sierra Leone

Family Pycnonotidae

Pycnonotus newwenhuisii
Chlorocichla prigoginei
Phyllastrephus leucolepis
Phyllastrephus apperti
Phyllastrephus tenebrosus
Phyllastrephus cinereiceps
Criniger olivaceus

Blue-Wattled Bulbul
Prigogine's Greenbul
Liberian Greenbul
Appert's Greenbul
Dusky Greenbul
Grey-crowned Greenbul
Yellow-bearded Bulbul

I Kalimantan & Sumatra (Indonesia)
V Zaire
K* Liberia
R Madagascar
R Madagascar
R Madagascar
V Ghana, Guinea, Cote d'Ivoire, Liberia, Senegal, Sierra Leone
I Philippines
V Mauritius

Hypsipetes siquijorensis
Hypsipetes olivaceus

Streak-breasted Bulbul
Mauritius Bulbul

Family Laniidae

Prionops gabela
Laniarius liberatus

Gabela Helmet-shrike
Buulobarde Boubou

I Angola
K* Somalia

<i>Erethacus obscura</i>	Black-throated Robin	I	China, Thailand
<i>Cossypha heinrichi</i>	White-headed Robin-chat	I	Angola, Zaire
<i>Modulatrix orostruthus</i>	Dapple-throat	R	Mozambique, Tanzania
<i>Dryocichloides montanus</i>	Usambara Ground Robin	R	Tanzania
<i>Dryocichloides lowei</i>	Iringa Ground Robin	R	Tanzania
<i>Alethe choloensis</i>	Thyolo Alethe	E	Malawi, Mozambique
<i>Copsychus cebuensis</i>	Black Shama	E	Seychelles
<i>Copsychus sechellarum</i>	Seychelles Magpie Robin	E	Seychelles
<i>Rhyacornis bicolor</i>	Luzon Redstart	R	Luzon (Philippines)
<i>Cochoa azurea</i>	Javan Cochoa	R	Java (Indonesia)
<i>Cochoa beccarii</i>	Sumatran Cochoa	I	Sumatra (Indonesia)
<i>Myadestes myadestinus</i>	Kamao	E	Hawaiian Is (U.S.A.)
<i>Myadestes lanaiensis</i>	Olomao	E	Hawaiian Is (U.S.A.)
<i>Myadestes palmeri</i>	Puaiohi	E	Hawaiian Is (U.S.A.)
<i>Saxicola macrorhynca</i>	White-browed Bushchat	V	India, Pakistan
<i>Saxicola insignis</i>	Hodgson's Bushchat	K	Mongolia, China, India, Nepal
<i>Saxicola dacotiae</i>	Fuerteventura Stonechat	R	Canary Is. (Spain)
<i>Saxicola gutturalis</i>	White-bellied Bushchat	R	Timor, Roti, & Semaui (Indonesia)
<i>Monticola bensoni</i>	Benson's Rockthrush	K	Madagascar
<i>Myiophoneus blighi</i>	Sri Lanka Whistling-thrush	V	Sri Lanka
<i>Zoothera schistacea</i>	Slaty-backed Thrush	R	Tanimbar Is (Indonesia)
<i>Zoothera peronii</i>	Orange-banded Thrush	R	Lesser Sundas (Indonesia)
<i>Zoothera everetti</i>	Everett's Thrush	R	Kalimantan (Indonesia), Sabah & Sarawak (Malaysia)
<i>Zoothera oberlaenderi</i>	Forest Ground-thrush	R	Madagascar
<i>Zoothera kibalensis</i>	Kibale Ground-thrush	I	Uganda
<i>Zoothera fischeri</i>	Spotted Ground-thrush	R	E. Africa, Southern Africa, Zaire
<i>Zoothera major</i>	Amami Thrush	R	Japan
<i>Zoothera machiki</i>	Fawn-breasted Thrush	R	Tanimbar Is (Indonesia)
<i>Turdus helleri</i>	Taita Thrush	E	Kenya
<i>Turdus menachensis</i>	Yemen Thrush	K*	Saudi Arabia, N. Yemen
<i>Turdus feae</i>	Grey-sided Thrush	K	China, Burma, India, Thailand

<i>Psophodes nigrogularis</i>	Western Whippbird	K*	Australia
<i>Pellorneum palustre</i>	Marsh Babbler	K	Bangladesh, India
<i>Trichastoma perspicillatum</i>	Black-browed Babbler	I	Kalimantan (Indonesia)
<i>Trichastoma vanderbilti</i>	Vanderbilt's Babbler	I	Sumatra (Indonesia)
<i>Leonardina woodi</i>	Bagobo Babbler	I	Mindano (Philippines)
<i>Jabouilleia danjoui</i>	Short-tailed Scimitar-babbler	I	Vietnam
<i>Napothera rabori</i>	Rabor's Wren-babbler	K	Luzon (Philippines)
<i>Spelaeornis badeigularis</i>	Rusty-throated Wren-babbler	I	India
<i>Spelaeornis caudatus</i>	Rufous-throated Wren-babbler	K	Bhutan, India, Nepal
<i>Spelaeornis longicaudatus</i>	Tawny-breasted Wren-babbler	R	India
<i>Sphenocichla humei</i>	Wedge-billed Wren-babbler	R	Burma, India
<i>Stachyris rodolphei</i>	Deignan's Babbler	R	Thailand
<i>Stachyris speciosa</i>	Flame-templed Babbler	V	Negros & Panay (Philippines)
<i>Stachyris nigrorum</i>	Negros Babbler	V	Negros & Panay (Philippines)
<i>Stachyris grammiceps</i>	White-breasted Babbler	V	Java (Indonesia)
<i>Stachyris herberti</i>	Sooty Babbler	R	Laos
<i>Stachyris oglei</i>	Snowy-throated Babbler	R	India
<i>Moupinia altirostris</i>	Jerdon's Babbler	V	Bangladesh, Burma, India, Nepal, Pakistan
<i>Turdoides hindei</i>	Hinde's Pied Babbler	V	Kenya
<i>Garrulax cinereifrons</i>	Ashy-headed Laughingthrush	V	Sri Lanka
<i>Garrulax milleti</i>	Black-hooded Laughingthrush	I	Vietnam
<i>Garrulax sukatschewi</i>	Sukatschew's Laughingthrush	K	China
<i>Garrulax bieti</i>	White-speckled Laughingthrush	I	China
<i>Garrulax yersini</i>	Collared Laughingthrush	I	Vietnam
<i>Liocichla omeiensis</i>	Emei Shan Liocichla	R	China
<i>Alcippe variegaticeps</i>	Gold-fronted Fulvetta	V	China
<i>Crocias langbianis</i>	Grey-crowned Crocias	I	Vietnam
<i>Crossleyia xanthophrys</i>	Madagascar Yellowbrow	I	Madagascar
<i>Paradoxornis flavirostris</i>	Black-breasted Parrotbill	I	Bangladesh, Bhutan, Burma, India, Nepal
<i>Paradoxornis zappeyi</i>	Crested Parrotbill	R	China

<i>Paradoxornis przewalskii</i>	Przewalski's Parrotbill	K	China
<i>Paradoxornis davidianus</i>	Short-tailed Parrotbill	R	China, Burma, Laos, Thailand, Vietnam
<i>Paradoxornis ruficeps</i>	Rufous-headed Parrotbill	R	China, Bangladesh, Bhutan, Burma, India, Laos, Vietnam
<i>Picathartes gymnocephalus</i>	White-necked Picathartes	V	West Africa
<i>Picathartes oreas</i>	Grey-necked Picathartes	V	Cameroon, Eq. Guinea, Gabon, Nigeria
<i>Polioptila lembeyei</i>	Cuban Gnatcatcher	R	Cuba
<i>Bradypterus graueri</i>	Grauer's Scrub-warbler	V	Burundi, Rwanda, Uganda, Zaire
<i>Bradypterus grandis</i>	Ja Scrub-warbler	K	Cameroon, Gabon
<i>Bradypterus major</i>	Large-billed Bush-warbler	R	China, India, Nepal, Pakistan
<i>Acrocephalus paludicola</i>	Aquatic Warbler	K*	Western Palearctic, Africa
<i>Acrocephalus sorghophilus</i>	Streaked Reed-warbler	R	China
<i>Acrocephalus rehsei</i>	Nauru Reed-warbler	E	Nauru
<i>Acrocephalus familiaris</i>	Millerbird	V	Hawaiian Is (U.S.A.)
<i>Acrocephalus rodericanus</i>	Rodrigues Brush Warbler	E	Rodrigues (Mauritius)
<i>Acrocephalus sechellensis</i>	Seychelles Brush Warbler	R	Seychelles
<i>Nesillas alabastrus</i>	Aldabra Warbler	E	Aldabra (Seychelles)
<i>Chloropeta gracilirostris</i>	Papyrus Yellow Warbler	R	Burundi, Kenya, Rwanda, Uganda, Zaire, Zambia
<i>Phylloscopus amoenus</i>	Sombre Leaf Warbler	I	Solomon Is.
<i>Cisticola haesitata</i>	Socotra Cisticola	I	Socotra (S. Yemen)
<i>Cisticola restricta</i>	Tana River Cisticola	K	Kenya
<i>Prinia burnesii</i>	Long-tailed Prinia	R	Bangladesh, India, Pakistan
<i>Prinia fluviatilis</i>	River Prinia	K	Cameroon, Chad, Nigeria
<i>Apalis chariessa</i>	White-winged Apalis	K*	Kenya, Malawi, Mozambique, Tanzania
<i>Apalis karamojae</i>	Karamoja Apalis	K	Tanzania, Uganda
<i>Apalis argentea</i>	Kungwe Apalis	R	Burundi, Rwanda, Tanzania, Zaire
<i>Apalis kaboboensis</i>	Kabobo Apalis	R	Zaire
<i>Apalis moreaui</i>	Long-billed Apalis	R	Mozambique, Tanzania
<i>Bathmocercus winifredae</i>	Mrs Moreau's Warbler	R	Tanzania

<i>Eremomela turneri</i>	Turner's Eremomela	R	Kenya, Uganda, Zaire
<i>Macrosphenus pulitzeri</i>	Pulitzer's Longbill	I	Angola
<i>Amaurocichla bocagii</i>	Sao Tome Short-tail	I	Sao Tome
<i>Chaetornis striatus</i>	Bristled Grass Warbler	K	Bangladesh, India, Nepal
<i>Megalururus pryori</i>	Marsh Grassbird	K	China, Japan
<i>Megalururus albolimbatus</i>	Fly River Grassbird	R	Papua New Guinea, Irian Jaya (Indonesia)
<i>Trichocichla rufa</i>	Long-legged Warbler	I	Fiji
<i>Malurus coronatus</i>	Purple-crowned Fairy-wren	K*	Australia
<i>Amytornis textilis</i>	Thick-billed Grass-wren	K*	Australia
<i>Amytornis goyderi</i>	Eyrean Grass-wren	I	Australia
<i>Amytornis barbatus</i>	Grey Grass-wren	K*	Australia
<i>Amytornis dorotheae</i>	Carpentarian Grass-wren	K*	Australia
<i>Dasyornis longirostris</i>	Western Bristlebird	R	Australia
<i>Gerygone hypoxantha</i>	Biak Gerygone	I	Biak (Indonesia)
<i>Aphelocephala pectoralis</i>	Chestnut-breasted Whiteface	K*	Australia
<i>Melaenornis annamarulae</i>	Nimba Flycatcher	I	Cote d'Ivoire, Liberia
<i>Rhinomyias albigularis</i>	White-throated Jungle-flycatcher	V	Guineas & Negros (Philippines)
<i>Rhinomyias brunneata</i>	Brown-chested Jungle-flycatcher	V	China, India
<i>Rhinomyias colonus</i>	Henna-tailed Jungle-flycatcher	R	Sula Is & Peleng (Indonesia)
<i>Ficedula henrici</i>	Damar Blue Flycatcher	I	Damar (Indonesia)
<i>Ficedula bonthaina</i>	Lompobattang Flycatcher	K	Sulawesi (Indonesia)
<i>Ficedula harterti</i>	Sumba Flycatcher	V	Sumba (Indonesia)
<i>Ficedula timorensis</i>	Black-banded Flycatcher	R	Timor (Indonesia)
<i>Cyornis sanfordi</i>	Matinan Flycatcher	R	Sulawesi (Indonesia)
<i>Cyornis ruecki</i>	Rueck's Blue Flycatcher	I	Sumatra (Indonesia)
<i>Cyornis herioti</i>	Blue-breasted Flycatcher	R	Luzon (Philippines)
<i>Muscicapa lendu</i>	Chapin's Flycatcher	R	Kenya, Uganda, Zaire
<i>Humblotia flavirostris</i>	Grand Comoro Flycatcher	R	Comoros
<i>Newtonia fanovanae</i>	Red-tailed Newtonia	I	Madagascar
<i>Petroica traversi</i>	Chatham Island Robin	E	Chatham Is (New Zealand)
<i>Batis minima</i>	Gabon Batis	K*	Gabon

Family Rhabdornithidae

Rhabdornis grandis

Family Dicaeidae

Dicaeum everetti

Paradalotus quadragintus

Family Nectariniidae

Antheptes rubritorques

Antheptes pallidigaster

Nectarinia buettikoferi

Nectarinia rockefelleri

Nectarinia prigoginei

Nectarinia rufipennis

Dreptes thomensis

Aethopyga duyvenbodei

Family Zosteropidae

Zosterops flavus

Zosterops uropygialis

Zosterops anomalus

Zosterops meeki

Zosterops kuehni

Zosterops luteirostris

Zosterops sanctaecrucis

Zosterops albugularis

Zosterops modestus

Zosterops mouroniensis

Zosterops chloronothus

Long-billed Rhabdornis

R Luzon (Philippines)

Brown-backed Flowerpecker

R Natuna Is (Indonesia), Peninsular Malaysia & Sarawak

Forty-spotted Pardalote

K*

Australia

Banded Green Sunbird

R Tanzania

Amani Sunbird

R Kenya, Tanzania

Apricot-breasted Sunbird

V Sumba (Indonesia)

Rockefeller's Sunbird

R Zaire

Marunga Sunbird

E Zaire

Rufous-winged Sunbird

R Tanzania

Giant Sunbird

R Tanzania

Elegant Sunbird

V Sangihe & Siau (Indonesia)

Javan White-eye

R Java & Kalimantan (Indonesia), Sarawak (Malaysia)

Golden-bellied White-eye

I Kai Is (Indonesia)

Lemon-throated White-eye

R Sulawesi (Indonesia)

Tagula White-eye

K Tagula I. (Papua New Guinea)

Ambon Yellow White-eye

R Ambon (Indonesia)

Splendid White-eye

R Solomon Is.

Nendo White-eye

K Nendo (Solomon Is)

White-chested White-eye

E Norfolk I. (Australia)

Seychelles White-eye

E Seychelles

Mount Karthala White-eye

R Comoros

Mauritius Olive White-eye

V Mauritius

Speirops brunneus
Speirops leucophaea
Woodfordia lacertosa
Rukia ruki
Rukia longirostra
Madanga ruficollis
Heleia muelleri

Family Meliphagidae

Lichmera notabilis
Myzomela kuehni
Meliphaga vicina
Apalopteron familiare
Notiomystis cincta
Philemon brassi
Philemon fuscicapillus

Melidectes princeps
Moho braccatus
Moho bishopi
Xanthomyza phrygia
Manorina melanotis

Family Emberizidae

Emberiza sulphurata
Junco insularis
Xenospiza baileyi
Torreornis inexpectata
Rowettia goughensis
Nesospiza acunhae
Nesospiza wilkinsi
Xenospingus concolor

Fernando Po Speirops
Principe Speirops
Sanford's White-eye
Truk White-eye
Long-billed White-eye
Rufous-throated White-eye
Spot-breasted White-eye

Black-chested Honeyeater
Crimson-hooded Honeyeater
Tagula Meliphaga
Bonin Islands Honeyeater
Stitchbird
Brass's Friarbird
Dusky Friarbird

Long-bearded Melidectes
Kauai Oo
Bishop's Oo
Regent Honeyeater
Black-eared Miner

Japanese Yellow Bunting
Guadalupe Junco
Sierra Madre Sparrow
Zapata Sparrow
Gough Bunting
Tristan Bunting
Grosbeak Bunting
Slender-billed Finch

R Bioko (Equatorial Guinea)
R Principe (Sao Tome)
K Nendo (Solomon Is)
V Truk Is (F.S.M.)
R Pohnpei (F.S.M.)
I Buru (Indonesia)
R Timor (Indonesia)

I Wetar (Indonesia)
I Wetar (Indonesia)
I Tagula I. (Papua New Guinea)
V Bonin Is (Japan)
R North Is (New Zealand)
I Irian Jaya (Indonesia)
R Halmahera, Bacan & Morotai (Indonesia)

R Papua New Guinea
E Hawaiian Is (U.S.A.)
E Hawaiian Is (U.S.A.)
K* Australia
K* Australia

R China, Japan, Taiwan, Philippines
V Guadalupe
K* Mexico
R Cuba
R Tristan da Cunha
R Tristan da Cunha
R Tristan da Cunha
K* Chile, Peru

<i>Inca spiza ortizi</i>	Grey-winged Inca-finch	K*	Peru
<i>Poospiza alticola</i>	Plain-tailed Warbling-finch	K*	Peru
<i>Poospiza rubecula</i>	Rufous-breasted Warbling-finch	K*	Peru
<i>Poospiza garleppi</i>	Cochabamba Mountain-finch	K*	Bolivia
<i>Poospiza baeri</i>	Tucuman Mountain-finch	K*	Argentina
<i>Sporophila frontalis</i>	Buffy-throated Seedeater	K*	Argentina, Brazil, Paraguay
<i>Sporophila falcirostris</i>	Temminck's Seedeater	K*	Argentina, Brazil
<i>Sporophila insulata</i>	Tumaco Seedeater	I	Colombia
<i>Sporophila hypochroma</i>	Rufous-rumped Seedeater	K*	Argentina, Bolivia
<i>Sporophila zelichi</i>	Entre Rios Seedeater	K*	Argentina
<i>Sporophila palustris</i>	Marsh Seedeater	K*	Argentina, Brazil, Paraguay, Uruguay
<i>Sporophila cinnamomea</i>	Chestnut Seedeater	K*	Argentina, Brazil, Paraguay
<i>Amaurospiza moesta</i>	Blackish-blue Seedeater	K*	Argentina, Brazil
<i>Melanospiza richardsoni</i>	St. Lucia Black Finch	K*	Argentina, Brazil
<i>Cammarhynchus pauper</i>	Floreana Tree-finch	V	St Lucia
<i>Cammarhynchus heliobates</i>	Mangrove Finch	I	Galapagos (Ecuador)
<i>Atlapetes flaviceps</i>	Olive-headed Brush-finch	I	Galapagos (Ecuador)
<i>Atlapetes pallidiceps</i>	Pale-headed Brush-finch	I	Colombia
<i>Oreothraupis arremonops</i>	Tanager-finch	K*	Ecuador
<i>Coryphospiza melanotis</i>	Black-masked Finch	K*	Colombia, Ecuador
<i>Gubernatrix cristata</i>	Yellow Cardinal	K*	Argentina, Bolivia, Brazil, Paraguay
<i>Salinator rufiventris</i>	Rufous-bellied Saltator	K*	Argentina, Brazil, Uruguay
<i>Conothraupis mesoleuca</i>	Cone-billed Tanager	K*	Bolivia
<i>Chlorospingus flavovirens</i>	Yellow-green Bush-tanager	K*	Brazil
<i>Nemosia rourei</i>	Cherry-throated Tanager	E	Colombia, Ecuador
<i>Habia atrimaxillaris</i>	Black-cheeked Ant-tanager	K*	Rio de Janeiro
<i>Habia gutturalis</i>	Sooty Ant-tanager	K*	Costa Rica
<i>Buthraupis melanocephala</i>	Black-and-gold Tanager	K*	Colombia
<i>Buthraupis aureocincta</i>	Gold-ringed Tanager	K*	Colombia
<i>Buthraupis aureodorsalis</i>	Golden-backed Mountain-tanager	K*	Colombia
		K*	Peru

Weimorethraupis sterrhopteron
Euphonia chalybea
Chlorochrysa nitidissima
Tangara cabanisi
Tangara fastuosa
Tangara peruviana
Tangara meyerdeschauensei
Tangara philipsi
Dacnis albiventris

Dacnis hartlaubi
Dacnis nigripes
Dacnis berlepschi
Diglossa venezuelensis

Family Parulidae

Vermivora bachmanii
Dendroica chrysoparia

Dendroica vitellina
Dendroica kirtlandii
Catharopeza bishopi
Geothlypis flavovulata
Geothlypis spectiosa
Leucopeza semperi
Myioborus pariae
Basileuterus griseiceps
Basileuterus cinereicollis
Xenoligea montana
Conirostrum margaritae
Conirostrum tamarugense

Orange-throated Tanager
Green-throated Euphonia
Multicoloured Tanager
Azure-rumped Tanager
Seven-colored Tanager
Black-backed Tanager
Green-capped Tanager
Sira Tanager
White-bellied Dacnis

Turquoise Dacnis
Black-legged Dacnis
Scarlet-breasted Dacnis
Venezuelan Flowerpiercer

Bachman's Warbler
Golden-checked Warbler

Vitelline Warbler
Kirtland's Warbler
Whistling Warbler
Altamira Yellowthroat
Black-pollled Yellowthroat
Semper's Warbler
Yellow-faced Redstart
Grey-headed Warbler
Grey-throated Warbler
White-winged Ground Warbler
Pearly-breasted Conebill
Tamarugo Conebill

K*	Peru
K*	Argentina, Brazil, Paraguay
K*	Colombia
I	Mexico
V	Brazil
K*	Brazil
K*	Peru
K*	Peru
K*	Brazil, Colombia, Ecuador, Peru, Venezuela
K*	Colombia
K*	Brazil
K*	Colombia, Ecuador
K*	Venezuela
E	Bahamas, Cuba, U.S.A.
K*	Guatemala, Honduras, Mexico, Nicaragua
R	Honduras
E	Bahamas, Canada, Mexico, U.S.A.
R	St Vincent
K*	Mexico
K*	Mexico
E	St Lucia
K*	Venezuela
K*	Venezuela
K*	Colombia, Venezuela
R	Dominican Rep., Haiti
K*	Brazil, Peru
K*	Chile, Peru

Family Drepanididae

Hemignathus munroi
Hemignathus obscurus
Hemignathus lucidus
Oreomystis bairdi
Paroreomyza flammea
Paroreomyza maculata
Loxops coccineus
Pseudonestor xanthophrys
Telespiza ultima
Telespiza cantans
Psittirostra psittacea
Loxioides bailleui
Melamprosops phaeosoma
Palmeria dolei

Family Vireonidae

Vireo atricapillus

Family Icteridae

Psaracolius cassini
Psarocolius bifasciatus
Cacicus koepckeae
Icterus bonana
Icterus oberi
Xanthopsar flavus
Agelaius xanthomus
Sturnella defilippi
Hypopyrrhus pyrohypogaster
Curaeus forbesi

Akiapolaau
 Akialoa
 Nukupuu
 Kauai Creeper
 Mulokai Creeper
 Oahu Creeper
 Akepa
 Maui Parrotbill
 Nihoa Finch
 Laysan Finch
 Ou
 Palila
 Poo Uli
 Crested Honeycreeper

V Hawaii (U.S.A.)
 E Hawaii (U.S.A.)
 E Hawaii (U.S.A.)
 R Hawaii (U.S.A.)
 Ex [Hawaii (U.S.A.)]
 E Hawaii (U.S.A.)
 R Hawaii (U.S.A.)
 V Hawaii (U.S.A.)
 R Hawaii (U.S.A.)
 R Hawaii (U.S.A.)
 E Hawaii (U.S.A.)
 R Hawaii (U.S.A.)
 R Hawaii (U.S.A.)
 R Hawaii (U.S.A.)

Black-capped Vireo

K* Oklahoma, Texas (U.S.A.), Mexico

Chestnut-mantled Oropendola

Para Oropendola

Selva Cacique

Martinique Oriole

Montserrat Oriole

Saffron-cowled Sunbird

Yellow-shouldered Blackbird

Lesser Red-breasted Meadowlark

Red-bellied Grackle

Forbes's Blackbird

K* Colombia

K* Brazil

K* Peru

V Martinique (Lesser Antilles)

V Montserrat (Leeward Is)

K* Argentina, Bolivia, Brazil, Paraguay, Uruguay

V Puerto Rico

K* Argentina, Brazil, Uruguay

K* Colombia

K* Brazil

Molothrus armenti

Family Fringillidae

Fringilla teydea
Serinus ankoberensis
Serinus flavigula
Neospiza concolor
Carduelis yarrellii
Carduelis cucullata
Carduelis siemiradzki
Acanthis johannis

Family Estrildidae

Estrilda poliopareia
Estrilda nigriloris
Amandava formosa
Erythrura viridifacies
Erythrura coloria
Erythrura kleinschmidti
Chloebia gouldiae

Family Ploceidae

Ploceus bannermani
Ploceus batesi
Ploceus nigrimentum
Ploceus subpersonatus
Ploceus ruweti
Ploceus golandi
Ploceus aureonucha
Ploceus megarhynchus
Ploceus flavipes
Ploceus nicolli

Bronze-brown Cowbird

Blue Chaffinch
 Ankober Serin
 Yellow-throated Serin
 Sao Tome Grosbeak
 Yellow-faced Siskin
 Red Siskin
 Saffron Siskin
 Warsangli Linnet

Anambra Waxbill
 Black-lored Waxbill
 Green Avadavat
 Green-faced Parrotfinch
 Red-eared Parrotfinch
 Pink-billed Parrotfinch
 Gouldian Finch

Bannerman's Weaver
 Bates's Weaver
 Black-chinned Weaver
 Loango Weaver
 Lake Lufira Weaver
 Clarke's Weaver
 Golden-naped Weaver
 Finn's Baya Weaver
 Yellow-legged Weaver
 Tanzanian Mountain Weaver

K* Colombia

R Canary Is (Spain)
 R Ethiopia
 I Ethiopia
 I Sao Tome
 K* Brazil, Venezuela
 E Venezuela
 K* Ecuador
 R Somalia

K Nigeria
 K Zaire
 R India
 R Luzon (Philippines)
 R Mindano (Philippines)
 K Fiji
 K* Australia

V Cameroon, Nigeria
 R Cameroon
 K Angola, Congo
 K Angola, Congo, Gabon, Zaire
 K Zaire
 E Kenya
 I Zaire
 R India
 V Zaire
 R Tanzania

<i>Ploceus victorinae</i>	Entebbe Weaver	K*	Uganda
<i>Malimbus ibadanensis</i>	Ibadan Malimbe	E	Nigeria
<i>Malimbus ballmanni</i>	Gola Malimbe	I	Cote d'Ivoire, Liberia, Sierra Leone
<i>Foudia rubra</i>	Mauritius Fody	E	Mauritius
<i>Foudia sechellarum</i>	Seychelles Fody	R	Seychelles
<i>Foudia flavicans</i>	Rodrigues Fody	E	Rodrigues (Mauritius)
Family Sturnidae			
<i>Aplonis santovestris</i>	Santo Mountain Starling	I	Vanuatu
<i>Aplonis pelzelni</i>	Pohnpei Mountain Starling	Ex	[Caroline Islands (F.S.M.)]
<i>Aplonis cinerascens</i>	Rarotonga Starling	E	Cook Is.
<i>Cinnyricinclus femoralis</i>	Abbott's Starling	K*	Kenya, Tanzania
<i>Leucopsar rothschildi</i>	Bali Starling	E	Bali (Indonesia)
<i>Basilornis galeatus</i>	Helmeted Myna	R	Banggai & Sula Is (Indonesia)
<i>Streptocitta albertinae</i>	Bare-eyed Myna	R	Sula Is (Indonesia)
Family Oriolidae			
<i>Oriolus isabellae</i>	Isabela Oriole	R	Luzon (Philippines)
<i>Oriolus mellianus</i>	Silver Oriole	I	China
Family Dicruridae			
<i>Dicrurus fuscipennis</i>	Grand Comoro Drongo	R	Comoros
<i>Dicrurus waldenii</i>	Mayotte Drongo	R	Mayotte (France)
Family Callaeidae			
<i>Callaeas cinerea</i>	Kokako	V	New Zealand
<i>Creadion carunculatus</i>	Saddleback	R	New Zealand
Family Ptilonorhynchidae			
<i>Amblyornis flavifrons</i>	Golden-fronted Bowerbird	K	Irian Jaya (Indonesia)
<i>Sericulus bakeri</i>	Fire-maned Bowerbird	R	Papua New Guinea

Family Paradisaeidae

Paradigalla carunculata

Epimachus fastuosus

Astrapia mayeri

Parotia wahnesi

Paradisaea decora

Family Corvidae

Cyanolyca pulchra

Cyanolyca nana

Cyanolyca mirabilis

Cyanocorax caeruleus

Perisoreus internigrans

Urocissa ornata

Crypsirina cucullata

Zavattiarionis stresemanni

Corvus unicolor

Corvus florensis

Corvus kubaryi

Corvus hawaiiensis

Long-tailed Paradigalla

Black Sicklebill

Ribbon-tailed Astrapia

Wahnes's Parotia

Goldie's Bird of Paradise

Beautiful Jay

Dwarf Jay

White-throated Jay

Azure Jay

Sichuan Jay

Sri Lanka Magpie

Hooded Treepie

Ethiopian Bush-crow

Banggai Crow

Flores Crow

Marianas Crow

Hawaiian Crow

R Irian Jaya (Indonesia), Papua New Guinea

R Irian Jaya (Indonesia), Papua New Guinea

V Irian Jaya (Indonesia), Papua New Guinea

R Papua New Guinea

R Papua New Guinea

K* Colombia, Ecuador

K* Mexico

K* Mexico

K* Argentina, Brazil

V China

V Sri Lanka

V Burma

R Ethiopia

R Banggai (Indonesia)

R Flores (Indonesia)

R Guam (U.S.A.)

E Hawaii Is (U.S.A.)

REPTILES and AMPHIBIANS

Class REPTILIA

Order TESTUDINES

Family Carettochelyidae

Carettochelys insculpta

K Australia, New Guinea

Family Chelidae

Acanthochelys macrocephala

Acanthochelys pallidipectoris

Acanthochelys spixii

Phrynops dahlí

Phrynops hogei

Phrynops rufipes

Phrynops zuliae

Pseudemydura umbrina

Big-headed Pantanal Swamp Turtle

Chaco Sideneck Turtle

Black Spine-necked Swamp Turtle

Dahl's Toad-headed Turtle

Hoge's Sideneck Turtle

Red-headed Sideneck Turtle

Zulia Toad-headed Turtle

Western Swamp Turtle

K Brazil

R Argentina, Paraguay

K Argentina, Brazil, Uruguay

I Colombia

I Brazil

K Brazil, Colombia

K Venezuela

E Western Australia

Family Cheloniidae

Caretta caretta

Chelonia mydas

Eretmochelys imbricata

Lepidochelys kempii

Lepidochelys olivacea

Loggerhead Turtle

Green Turtle

Hawksbill Turtle

Kemp's or Atlantic Ridley

Olive or Pacific Ridley

V Subtropical & Temperate Seas

E Tropical Seas & Mediterranean

E Tropical Seas

E Gulf of Mexico

E Tropical Seas

Family Chelydridae

Macrochelys temminckii

Alligator Snapping Turtle

V U.S.A.

Family Dermatemydidae

Dermatemys mawii

Central American River Turtle

V Central America

Family Dermochelyidae

Dermochelys coriacea

Leatherback

E Tropical & Temperate Seas

Family Emydidae

<i>Annamemys annamensis</i>	Annam Leaf Turtle	K	Vietnam
<i>Batagur baska</i>	River Terrapin	E	S.E. Asia
<i>Callagur borneoensis</i>	Painted Terrapin	E	S.E. Asia
<i>Cistoclemys galbiniifrons</i>	Indochinese Box Turtle	K	Vietnam
<i>Cistoclemys hainanensis</i>	Hainan Box Turtle	K	Hainan (China)
<i>Clemmys muelenbergii</i>	Bog Turtle	R	U.S.A.
<i>Cuora yunnanensis</i>	Yunnan Box Turtle	K	China
<i>Geoclemys hamiltonii</i>	Spotted Pond Turtle	I	South Asia
<i>Geoemyda silvatica</i>	Cane Turtle	V	India
<i>Graptemys barbouri</i>	Barbour's Map Turtle	K	U.S.A.
<i>Graptemys caglei</i>	Cagle's Map Turtle	K	U.S.A.
<i>Graptemys flavimaculata</i>	Yellow-blotched Map Turtle	I	U.S.A.
<i>Graptemys oculifera</i>	Ringed Map Turtle	K	U.S.A.
<i>Heosemys depressa</i>	Arakan Forest Turtle	K	Burma
<i>Heosemys leytenensis</i>	Leyte Pond Turtle	I	Leyte (Philippines)
<i>Heosemys spinosa</i>	Spiny Turtle	K	Thailand, Indonesia, Malaysia
<i>Kachuga kachuga</i>	Red-crowned Roofed Turtle	I	Bangladesh, India, Nepal
<i>Kachuga sylhetensis</i>	Assam Roofed Turtle	I	Bangladesh, India
<i>Kachuga trivittata</i>	Burmese Roofed Turtle	K	Burma
<i>Melanochelys tricarinata</i>	Tricarinata Hill Turtle	I	Bangladesh, India, Nepal
<i>Morenia ocellata</i>	Burmese Eyed Turtle	K	Burma
<i>Orlitia borneensis</i>	Malaysian Giant Turtle	K	Indonesia, Malaysia
<i>Pseudemys alabamensis</i>	Alabama Red-bellied Turtle	R	U.S.A.
<i>Rhinoclemmys rubida</i>	Mexican Spotted Wood Turtle	K	Mexico
<i>Terrapene coahuila</i>	Aquatic Box Turtle	V	Mexico
<i>Terrapene nelsoni</i>	Spotted Box Turtle	K	Mexico
<i>Trachemys decorata</i>	Hispaniolan Slider	K	Hispaniola
<i>Trachemys scripta callirostris</i>	South American Red-lined Turtle	V	Colombia, Venezuela
<i>Trachemys stejnegeri malonei</i>	Inagua Island Turtle	R	Bahamas
<i>Trachemys terrapen felis</i>	Cat Island Turtle	R	Bahamas

<i>Manouria emys</i>	Burmese Brown Tortoise	K	S.E. Asia
<i>Manouria impressa</i>	Impressed Tortoise	K	S.E. Asia
<i>Psammobates geometricus</i>	Geometric Tortoise	V	South Africa
<i>Pyxis arachnoides</i>	Spider Tortoise	I	Madagascar
<i>Pyxis planicauda</i>	Madagascar Flat-shelled Tortoise	I	Madagascar
<i>Testudo graeca graeca</i>	Spur-thighed Tortoise	V	Europe, North Africa
<i>Testudo hermanni</i>	Hermann's Tortoise	V	Europe
<i>Testudo hermanni boetgeri</i>	Hermann's Tortoise	V	E. Mediterranean
<i>Testudo hermanni hermanni</i>	Hermann's Tortoise	E	W. Mediterranean
<i>Testudo kleinmanni</i>	Egyptian Tortoise	V	Egypt, Israel, Libya
<i>Testudo marginata</i>	Margined Tortoise	R	Greece
Family Trionychidae			
<i>Trionyx nigricans</i>	Black Soft-shell Turtle	R	Bangladesh
Order RHYNCHOCEPHALIA			
Family Sphenodontidae			
<i>Sphenodon punctatus</i>	Tuatara	R	New Zealand
Order SAURIA			
Family Agamidae			
<i>Ceratophora tennentii</i>	Leaf-nosed Lizard	V	Sri Lanka
<i>Hydrosaurus pustulatus</i>	Sail-fin Lizard	V	Philippines
Family Anguidae			
<i>Gerrhonotus panamintinus</i>	Panamint Alligator Lizard	K	U.S.A.
Family Anniellidae			
<i>Anniella pulchra nigra</i>	Black Legless Lizard	I	U.S.A.
Family Chamaeleontidae			
<i>Bradypodion tanenianbronchum</i>	Smith's Dwarf Chamaeleon	V	South Africa

Family Gekkonidae

Nactus serpensinsula
Oedura reticulata
Phelsuma edwardnewtonii
Phelsuma guentheri
Phyllodactylus europaeus

Serpent Island Gecko
Reticulated Velvet Gecko
Rodriguez Day Gecko
Gunther's Gecko
European Leaf-toed Gecko

R Round I., Serpent I. (Mauritius)
V W. Australia
E Mauritius
E Round I. (Mauritius)
R France, Italy, Tunisia

Family Helodermatidae

Heloderma horridum
Heloderma suspectum

Beaded Lizard
Gila Monster

I Guatemala, Mexico
V Mexico, U.S.A.

Family Iguanidae

Amblyrhynchus cristatus
Anolis roosevelti
Brachylophus fasciatus
Brachylophus vitiensis
Conolophus pallidus
Conolophus subcristatus
Cyclura carinata

Galapagos Marine Iguana
Culebra Island Giant Anole
South Pacific Banded Iguana
Fiji Crested Iguana
Barrington Land Iguana
Galapagos Land Iguana
Turks & Caicos Rock Iguana

R Galapagos Is (Ecuador)
E Culebra I. (Puerto Rico)
V Tonga, Fiji
V Fiji
R Galapagos Is (Ecuador)
V Galapagos Is (Ecuador)
R Bahamas, Turks & Caicos Is (West Indies)

Cyclura collei
Cyclura cornuta
Cyclura cychlura
Cyclura nubila
Cyclura pinguis
Cyclura ricordii
Cyclura rileyi
Gambelia situs
Phrynosoma coronatum blainvilliei
Uma inornata

Jamaican Ground Iguana
Rhinoceros Rock Iguana
Andros Ground Iguana
Cuban Ground Iguana
Anegada Ground Iguana
Hispaniola Ground Iguana
San Joaquin Leopard Lizard
San Diego Horned Lizard
Coachella Fringe-toed Lizard

E Jamaica
T Hispaniola, Mona I. (Puerto Rico)
R Bahamas
V Cayman Is (West Indies), Cuba
E Anegada (British Virgin Is)
I Hispaniola
T Bahamas
E U.S.A.
K Mexico, U.S.A.
V U.S.A.

Family Lacertidae

Gallotia simonyi
Podarcis filfolensis filfolensis
Podarcis lilfordi
Podarcis pityusensis

Hierro Giant Lizard
 Filfolia Lizard
 Lilford's Wall Lizard
 Ibiza Wall lizard

E Hierro (Canary Is)
 R Filfolia I. (Malta)
 V Spain
 R Spain

Family Scincidae

Barkudia insularis
Ctenotus lancelini
Gongylomorphus bojerii fontenayi
Macrosincus coctaei
Pseudemoia palfreymani
Tribolonotus poncelleti
Triliqua adelaidensis

Legless Skink
 Lancelin Island Skink
 Macabe Forest Skink
 Cape Verde Giant Skink
 Pedra Branca Skink

R India
 R Australia
 R Mauritius
 Ex? Cape Verde Is
 R Pedra Brance I. (Australia)
 I Shortland I. (Solomon Is)
 I Australia

Adelaide Pigmy Bluetongue Lizard

Family Teiidae

Ameiva polops
Cnemidophorus hyperythrus

St. Croix Ground Lizard
 Orange-throated Whiptail

E U.S. Virgin Is
 V Mexico, U.S.A.

Family Varanidae

Varanus flavescens
Varanus griseus caspius
Varanus komodoensis
Varanus olivaceus

Yellow Monitor
 Central Asian Monitor
 Komodo Dragon
 Gray's Monitor

I Bangladesh, India, Nepal, Pakistan
 V Central-west Asia
 R Indonesia
 R Luzon (Philippines)

Family Xantusiidae

Xantusia riversiana

Island Night Lizard

R U.S.A.

Order SERPENTES

Family Aniliidae

Anomochilus leonardi

Leonard's Pipe Snake

K Peninsular Malaysia

Family Boidae

<i>Acrantophis dumerili</i>		Dumeril's Boa	K	Madagascar
<i>Acrantophis madagascariensis</i>		Madagascar Boa	K	Madagascar
<i>Bolyeria multicarinata</i>		Round Island Boa	E	Round I. (Mauritius)
<i>Casarea dussumieri</i>		Round Island Keel-scaled Boa	E	Round I. (Mauritius)
<i>Charina bottae umbratica</i>		Southern Rubber Boa	R	U.S.A.
<i>Epicrates angulifer</i>		Cuban Tree Boa	I	Cuba
<i>Epicrates inornatus</i>		Puerto Rican Boa	E	Puerto Rico
<i>Epicrates monensis monensis</i>		Mona Boa	R	Mona I. (Puerto Rico)
<i>Epicrates striatus fosteri</i>		Bimini Boa	R	Bahamas
<i>Epicrates subflavus</i>		Jamaican Boa	V	Jamaica
<i>Python molurus</i>		Indian Python	V	South & South-east Asia
<i>Sanzinia madagascariensis</i>		Madagascar Tree Boa	K	Madagascar

Family Colubridae

<i>Coluber cypriensis</i>		Eastern Indigo Snake	V	Cyprus
<i>Drymarchon corais couperi</i>		Indian Egg-eating Snake	V	U.S.A.
<i>Elachistodon westermanni</i>			R	Bangladesh, India, Nepal
<i>Iguanognathus wernerii</i>			I	Sumatra (Indonesia)
<i>Masticophis flagellum ruddocki</i>		San Joaquin Coachwhip	R	U.S.A.
<i>Masticophis lateralis euryxanthus</i>		Alameda Striped Racer	R	U.S.A.
<i>Natrix natrix cetti</i>		Sardinian Grass Snake	R	Sardinia (India)
<i>Nerodia fasciata taeniata</i>		Atlantic Saltmarsh Snake	V	U.S.A.
<i>Nerodia harteri paucimaculata</i>		Concho Water Snake	R	U.S.A.
<i>Nerodia sipedon insularum</i>		Lake Erie Water Snake	V	U.S.A.
<i>Thamnophis gigas</i>		Giant Garter Snake	K	U.S.A.
<i>Thamnophis hammondi</i>		Two-striped Garter Snake	R	U.S.A.
<i>Thamnophis sirtalis tetrataenia</i>		San Francisco Garter Snake	R	Mexico, U.S.A.
<i>Thermophis baileyi</i>			E	U.S.A.
			R	China

Family Elapidae

- Brachyaspis atriceps*
- Hoplocephalus bunaroides*
- Naja oxiata*
- Ogmodon vitianus*

- Broad-headed Snake
- Central Asian Cobra
- Fiji Snake (Bolo)

- R Australia
- I Australia
- E Central Asia
- I Fiji

Family Hydrophiidae

- Laticauda crockeri*

- R Rennel I. (Solomon Is)

Family Typhlopidae

- Typhlops monensis*

- Mona Blind Snake

- R Mona I. (Puerto Rico)

Family Viperidae

- Bothrops insularis*
- Crotalus unicolor*
- Crotalus willardi*
- Vipera ammodytes transcaucasiana*
- Vipera bornmuelleri*
- Vipera bulgardaghica*
- Vipera kaznakovi*
- Vipera latifii*
- Vipera raddei*
- Vipera schweizeri*
- Vipera ursinii rakosiensis*
- Vipera wagneri*

- Queimada Island Bothrops
- Aruba Island Rattlesnake
- Ridge-nosed Rattlesnake
- Transcaucasian Long-nosed Viper

- I Queimada I. (Brazil)
- R Netherland Antilles, Venezuela
- T Mexico, U.S.A.
- R Turkey, U.S.S.R.
- I Lebanon, Syria
- I Turkey
- V Turkey, U.S.S.R.

- Caucasian Viper
- Latifi's Viper
- Armenian Viper
- Milos Viper
- Orsini's Viper

- E Iran
- I Iran, Turkey, U.S.S.R.
- E Cyclades Is (Greece)
- E Central Eastern Europe
- I Turkey, Iran

Order CROCODYLIA

Family Alligatoridae

- Alligator sinensis*
- Caiman latirostris*
- Melanosuchus niger*

- Chinese Alligator
- Broad-nosed Caiman
- Black Caiman

- E China
- E Southern South America
- E South America

Family Hynobiidae

Batrachuperus mustersi

K Afghanistan

Family Plethodontidae

Batrachoseps aridus

Desert Slender Salamander

E U.S.A.

Batrachoseps simatus

Kern Canyon Slender Salamander

R U.S.A.

Batrachoseps stebbinsi

Tehachapi Slender Salamander

R U.S.A.

Eurycea nana

San Marcos Salamander

R U.S.A.

Hydromantes brunus

Limestone Salamander

R U.S.A.

Hydromantes shastae

Shasta Salamander

R U.S.A.

Phaeognathus hubrichti

Red Hills Salamander

R U.S.A.

Plethodon tarselli

Larch Mountain Salamander

I U.S.A.

Plethodon neomexicanus

Jemez Mountains Salamander

V U.S.A.

Plethodon nettingi

Cheat Mountain Salamander

K U.S.A.

Plethodon stormi

Siskiyou Mountains Salamander

K U.S.A.

Speleomantes flavus

R Sardinia (Italy)

Speleomantes genei

V Sardinia (Italy)

Speleomantes imperialis

R Sardinia (Italy)

Speleomantes supramontes

R Sardinia (Italy)

Typhlomolge rathbuni

Texas Blind Salamander

E U.S.A.

Typhlotriton spelaeus

Grotto Salamander

K U.S.A.

Family Proteidae

Proteus anguinus

V Italy, Yugoslavia

Family Salamandridae

Chioglossa lusitanica

I Portugal, Spain

Paramesotriton deloustali

I Vietnam

Eleutherodactylus jasper
Somuncuria somuncurensis

Family Microhylidae
Melanobatrachus indicus

Family Myobatrachidae
Philoria frosti
Rheobatrachus silus
Rheobatrachus vitellinus

Family Pelobatidae
Pelobates fuscus insubricus

Family Pipidae
Xenopus gilli

Family Ranidae
Conraua goliath
Nesomantis thomasseti
Platymantis vitianus
Rana fisheri
Rana holtzi
Rana latastei
Sooglossus gardineri
Sooglossus sechellensis

Golden Cocqui Frog

Black Microhylid

Baw Baw Frog
Conondale Gastric-brooding Frog
Eungella Gastric-brooding Frog

Italian Spadefoot Toad

Cape Platanna

Goliath Frog
Thomasset's Seychelles Frog
Fijian Ground Frog
Vegas Valley Leopard Frog

Italian Agile Frog
Gardiner's Seychelles Frog
Seychelles Frog

R Puerto Rico
I Argentina

I India

I Victoria
E Australia
I Australia

V Italy

V South Africa

V Cameroon, Eq. Guinea
R Seychelles
K Fiji
E U.S.A.
V Turkey
V Italy, Switzerland, Yugoslavia
R Seychelles
R Seychelles

FISH

Class CEPHALASPIDOMORPHI

Order PETROMYZONTIFORMES

Family Petromyzontidae

Lampetra hubbsi

Lampetra macrostoma

Lampetra minimia

Lampetra tridentata (subspecies)

Mordacia praecox

Kern Brook Lamprey
Lake Lamprey
Miller Lake Lamprey
Pacific Lamprey
Non-parasitic Lamprey

R U.S.A.
R Canada
Ex [U.S.A.]
R U.S.A.
R Australia

Class CHONDRICHTHYES

Order LAMNIFORMES

Family Rhincodontidae

Rhincodon typus

I Tropical & warm temperate seas

Family Lamnidae

Carcharodon carcharias

Cetorhinus maximus

Great White Shark
Basking Shark

K Sub-tropical & warm temperate seas
K Temperate waters

Class OSTEICHTHYES

Order COELACANTHIFORMES

Family Latimeriidae

Latimeria chalumnae

V Comoros, [South Africa]

Order ACIPENSERIFORMES

Family Acipenseridae

Acipenser brevirostrum

Acipenser fulvescens

Acipenser oxyrinchus (subspecies)

Shortnose Sturgeon
Lake Sturgeon
Atlantic Sturgeon

V Canada, U.S.A.
V Canada, U.S.A.
V Canada, U.S.A.

Acipenser schrencki
Acipenser sturio
Huso dauricus
Scaphirhynchus albus
Scaphirhynchus sp.

Family Polyodontidae

Polyodon spathula
Psephurus gladius

Order OSTEOGLOSSIFORMES

Family Osteoglossidae

Arapaima gigas
Scleropages formosus

Family Notopteridae

Notopterus blanci

Order CYPRINIFORMES

Family Cyprinidae

Acanthorutilus handlirschi
Aulopyge hugeli
Balantiocheilus melanopterus
Barbus andrewi
Barbus calidus
Barbus capensis
Barbus erubescens
Barbus halei
Barbus hospes
Barbus serra
Barbus somphongsi
Barbus tenuis

Amur Sturgeon
Common Sturgeon
Kaluga
Pallid Sturgeon
Alabama Sturgeon

Paddlefish
Chinese Paddlefish

Pirarucu
Asian Bonytongue

Indochina Featherback

Cicek
Dalmatian Barbelgudgeon
Silver Shark
Cape Whitefish
Clanwilliam Redfin
Clanwilliam Yellowfish
Twee River Redfin

Namaqualand Barb
Sawfin

Slender Redfin

V U.S.S.R.
E Europe
R U.S.S.R.
E U.S.A.
E U.S.A.

V U.S.A.
V China

K Amazon Basin
K South-east Asia

R Cambodia, Thailand

E Turkey
E Yugoslavia
I South-east Asia
V South Africa
R South Africa
R South Africa
V South Africa
I Malaysia, Thailand
R Namibia, South Africa
V South Africa
I Thailand
R South Africa

<i>Barbus treurenensis</i>	Treur River Barb	V	South Africa
<i>Barbus trevelyani</i>	Border Barb	V	South Africa
<i>Caecobarbus geertsi</i>	African Blind Barb Fish	E	Zaire
<i>Caecocypris basimi</i>		R	Iraq
<i>Cephalokompsus pachycheilus</i>		V	Philippines
<i>Chela caeruleostigmata</i>		R	Thailand
<i>Cyprinella bocagrande</i>	Sardinita Bocagrande	V	Mexico
<i>Cyprinella caerulea</i>	Blue Shiner	V	U.S.A.
<i>Cyprinella callitaenia</i>	Bluestripe Shiner	V	U.S.A.
<i>Cyprinella formosa</i>	Beautiful Shiner	V	Mexico, U.S.A.
<i>Cyprinella monacha</i>	Turquoise Shiner	V	U.S.A.
<i>Cyprinella panarcys</i>	Conchos Shiner	E	Mexico
<i>Cyprinella proserpina</i>	Proserpine Shiner	V	Mexico, U.S.A.
<i>Cyprinella sp.</i>	Sardinita Nazas	V	Mexico
<i>Cyprinella xanthicara</i>	Cuatro Cienegas Shiner	E	Mexico
<i>Dionda diaboli</i>	Devil's River Minnow	V	Mexico, U.S.A.
<i>Dionda dichroma</i>	Sardinita de Rio Verde	R	Mexico
<i>Dionda episcopa</i> (subspecies)	Roundnose Minnow	V	Mexico
<i>Dionda mandibularis</i>	Sardinita Quijarrona	E	Mexico
<i>Eremichthys acros</i>	Desert Dace	V	U.S.A.
<i>Evarra bustamantei</i>	Mexican Dace	Ex	[Mexico]
<i>Evarra eigenmanni</i>	Mexican Dace	Ex	[Mexico]
<i>Evarra tlahuacensis</i>	Mexican Dace	Ex	[Mexico]
<i>Garra barreimiae</i>		R	Bahrain, Oman
<i>Garra dunsirei</i>	Alvord Chub	R	Oman
<i>Gila albuordensis</i>	Tui Chub	V	U.S.A.
<i>Gila bicolor</i> (subspecies)	Borax Lake Chub	V	U.S.A.
<i>Gila boraxobius</i>	Thicktail Chub	V	U.S.A.
<i>Gila crassicauda</i>	Humpback Chub	Ex	[U.S.A.]
<i>Gila cypha</i>	Charalito Sonorensis	E	U.S.A.
<i>Gila ditaenia</i>	Bonytail Chub	V	Mexico, U.S.A.
<i>Gila elegans</i>		E	Mexico, U.S.A.

<i>Gila intermedia</i>	Gila Chub	R	Mexico, U.S.A.
<i>Gila modesta</i>	Charalito Saltillo	E	Mexico
<i>Gila nigrescens</i>	Charalito Chihuahua	V	Mexico, U.S.A.
<i>Gila purpurea</i>	Yaqui Chub	V	Mexico, U.S.A.
<i>Gila robusta</i> (subspecies)	Roundtail Chub	V	Mexico, U.S.A.
<i>Hemitremia flammea</i>	Flame Chub	R	U.S.A.
<i>Hybognathus amarus</i>	Rio Grande Minnow	R	U.S.A.
<i>Hybopsis cahnii</i>	Slender Chub	V	U.S.A.
<i>Hybopsis gelida</i>	Sturgeon Chub	V	U.S.A.
<i>Hybopsis meeki</i>	Sicklefin Chub	V	U.S.A.
<i>Iotichthys phlegethontis</i>	Least Chub	E	U.S.A.
<i>Iranocypris typhlops</i>		R	Iran
<i>Labeo fisheri</i>	Green Labeo	E	Sri Lanka
<i>Labeo seeberi</i>	Calnwilliam Sandfish	R	South Africa
<i>Lepidomeda albigallis</i>	White River Spinedace	E	U.S.A.
<i>Lepidomeda altivelis</i>	Pahrnagat Spinedace	Ex	[U.S.A.]
<i>Lepidomeda mollispinis</i> (subspecies)	Virgin Spinedace	V	U.S.A.
<i>Lepidomeda vittata</i>	Little Colorado Spinedace	V	U.S.A.
<i>Mandibularca resinus</i>		V	Philippines
<i>Meda fulgida</i>	Spikedace	V	[Mexico], U.S.A.
<i>Moapa coriacea</i>	Moapa Dace	E	U.S.A.
<i>Notropis aguirrequenoi</i>	Sardinita del Pilon	V	Mexico
<i>Notropis amecae</i>	Ameca Shiner	Ex	[Mexico]
<i>Notropis aulidion</i>	Durango Shiner	Ex	[Mexico]
<i>Notropis buccula</i>	Smalleye Shiner	R	U.S.A.
<i>Notropis cahabae</i>	Cahaba Shiner	E	U.S.A.
<i>Notropis hubbsi</i>	Bluehead Shiner	R	U.S.A.
<i>Notropis imeldae</i>	Sardinita de Rio Verde	R	Mexico
<i>Notropis jemezanus</i>	Rio Grande Shiner	I	[Mexico], U.S.A.
<i>Notropis mekistocholas</i>	Cape Fear Shiner	E	U.S.A.
<i>Notropis melanostomus</i>	Blackmouth Shiner	V	U.S.A.
<i>Notropis moralesi</i>	Sardinita de Tepelmene	R	Mexico

<i>Notropis orca</i>	Phantom Shiner	Ex	[Mexico, U.S.A.]
<i>Notropis oxyrhynchus</i>	Sharpnose Shiner	R	U.S.A.
<i>Notropis perpallidus</i>	Colorless Shiner	R	U.S.A.
<i>Notropis saladonis</i>	Sardinita de Salado	E	Mexico
<i>Notropis semperasper</i>	Roughhead Shiner	R	U.S.A.
<i>Notropis simus</i>	Bluntnose Shiner	E	[Mexico], U.S.A.
<i>Notropis snelsoni</i>	Ouachita Mountain Shiner	R	U.S.A.
<i>Notropis welaka</i>	Bluenose Shiner	R	U.S.A.
<i>Oregonichthys crameri</i>	Oregon Chub	V	U.S.A.
<i>Ospatulus palaemophagus</i>		V	Philippines
<i>Ospatulus truncatus</i>		V	Philippines
<i>Phenacobius teretulus</i>	Kanawha Minnow	R	U.S.A.
<i>Phoxinus cumberlandensis</i>	Mountain Blackside Dace	E	U.S.A.
<i>Phoxinus tennesseensis</i>	Tennessee Dace	R	U.S.A.
<i>Plagopterus argentissimus</i>	Woundfin	E	U.S.A.
<i>Pogonichthys ciscoides</i>	Clear Lake Splittail	Ex	[U.S.A.]
<i>Pogonichthys macrolepidotus</i>	Sacramento Splittail	R	U.S.A.
<i>Probarbus jullieni</i>	Ikan Temoleh	K	South-east Asia
<i>Pseudobarbus burchelli</i>	Burchell's Redfin	R	South Africa
<i>Pseudobarbus burgi</i>	Berg River Redfin	E	South Africa
<i>Pseudobarbus phlegethon</i>	Fiery Redfin	E	South Africa
<i>Pseudobarbus quathlambae</i>	Maluti Minnow	E	Lesotho
<i>Ptychocheilus lucius</i>	Colorado Squafish	E	[Mexico], U.S.A.
<i>Puntius amarus</i>		V	Philippines
<i>Puntius asoka</i>		R	Sri Lanka
<i>Puntius baoulan</i>		V	Philippines
<i>Puntius cataractae</i>		V	Philippines
<i>Puntius clemensi</i>		V	Philippines
<i>Puntius cumingii</i>		V	Sri Lanka
<i>Puntius disa</i>		V	Philippines
<i>Puntius flavifuscus</i>		V	Philippines
<i>Puntius herrei</i>		V	Philippines
	Two Spot Barb		

<i>Puntius katalo</i>	V	Philippines
<i>Puntius lanaoensis</i>	V	Philippines
<i>Puntius lindong</i>	R	Philippines
<i>Puntius mamalak</i>	V	Philippines
<i>Puntius nigrofasciatus</i>	V	Sri Lanka
<i>Puntius palata</i>	V	Philippines
<i>Puntius pleurotaenia</i>	V	Sri Lanka
<i>Puntius sirang</i>	R	Philippines
<i>Puntius srilankensis</i>	E	Sri Lanka
<i>Puntius titteya</i>	V	Sri Lanka
<i>Puntius tras</i>	V	Philippines
<i>Puntius tumba</i>	R	Philippines
<i>Rasbora vaterifloris</i>	V	Sri Lanka
<i>Relictus solitarius</i>	R	Philippines
<i>Rhinichthys cataractae</i> (subspecies)	V	Philippines
<i>Rhinichthys deaconi</i>	R	Philippines
<i>Rhinichthys osculus</i> (subspecies)	V	Philippines
<i>Semotilus lumbee</i>	R	Philippines
<i>Sinocyclocheilus anophthalmus</i>	R	Philippines
<i>Stypodon signifer</i>	R	Philippines
<i>Tanakia tanago</i>	R	Philippines
<i>Tiaroga cobitis</i>	R	Philippines
<i>Tylognathus klatti</i>	R	Philippines
<i>Typhlobarbus nudiventris</i>	R	Philippines
<i>Typhlogarra widdowsoni</i>	R	Philippines
Family Cobitidae		
<i>Lepidocephalichthys jonklaasi</i>	E	Philippines
<i>Leptobotia curta</i>	E	Philippines
Family Balitoridae		
<i>"Nemacheilus" troglotataractus</i>	R	Philippines
<i>"Nemacheilus" gejiuensi</i>	R	Philippines
Black Ruby Barb		
Side Striped Barb		
Cherry Barb		
Vateria Flower Rasbora		
Relict Dace		
Longnose Dace		
Las Vegas Dace		
Speckled Dace		
Sandhills Chub		
Stumptooth Minnow		
Tokyo Bitterling		
Loach Minnow		
Spotted Loach		
Ayumodoki		
Sri Lanka		
Japan		
Thailand		
China		

"Nemacheilus" smithi
"Nemacheilus" starostini
"Nemacheilus" xianggensis
Oreonectes anophthalmus
Schistura jarutani
Schistura oedipus
Schistura sijuensis
Sundoreonectes tiomanensis

Family Catostomidae
Catostomus bernardini
Catostomus cahita
Catostomus catostomus lacustris
Catostomus clarki intermedius
Catostomus conchos
Catostomus dicobolus yarrowi
Catostomus leopoldi
Catostomus microps
Catostomus occidentalis lacusanserinus
Catostomus rimiculus ssp.
Catostomus santanae
Catostomus sp.
Catostomus warnerensis
Catostomus wigginsi
Chasmistes brevirostris
Chasmistes cujus
Chasmistes liorus liorus
Chasmistes liorus mictus
Chasmistes muriei
Cycleptus elongatus
Deltistes luxatus

Iran	R
U.S.S.R.	R
China	R
China	R
Thailand	R
Thailand	R
India	R
Malaysia	R
Mexico, U.S.A.	V
Mexico	V
Canada	R
U.S.A.	E
Mexico	R
U.S.A.	R
Mexico	R
U.S.A.	E
U.S.A.	R
U.S.A.	R
U.S.A.	R
Canada	E
U.S.A.	E
Mexico	R
U.S.A.	E
U.S.A.	E
[U.S.A.]	Ex
U.S.A.	E
[U.S.A.]	Ex
Mexico, U.S.A.	R
U.S.A.	E
Yaqui Sucker	
Matalote Cahita	
Jasper Longnose Sucker	
White River Sucker	
Matalote Conchos	
Zuni Bluehead Sucker	
Matalote del Bavispe	
Modoc Sucker	
Goose Lake Sucker	
Jenny Creek Sucker	
Santa Ana Sucker	
Salish Sucker	
Warner Sucker	
Matalote Opata	
Shortnose Sucker	
Cui-ui	
June Sucker	
June Sucker	
Snake River Sucker	
Blue Sucker	
Lost River Sucker	

Lagochila lacera
Maxostoma ariommum
Maxostoma atripinne
Maxostoma congestum
Maxostoma hamiltoni
Maxostoma hubbsi
Maxostoma sp.
Xyrauchen texanus

Order CHARACIFORMES

Family Characidae

Astyanax mexicanus jordani
Catabasis acuminatus
Gymnocharacinus bergi

Order SILURIFORMES

Family Diplomystidae

Diplomystes chilensis

Family Ictaluridae

Ictalurus australis
Ictalurus lupus
Ictalurus mexicanus
Ictalurus pricei
Ictalurus sp.
Noturus baileyi
Noturus flavipinnis
Noturus furiosus
Noturus gilberti
Noturus lachneri
Noturus munitus
Noturus placidus

Harelip Sucker
Bigeye Jumprock
Blackfin Sucker
Gray Redhorse
Rustyside Sucker
Copper Redhorse
Bighead Redhorse
Razorback Sucker

Sardina Ciega

Naked Characin

Tollo de Agua Dulce

Bagre del Panuco
Bagre Lobo
Bagre de Rio Verde
Bagre de Yaqui
Bagre de Cuatro Cienegas
Smoky Madtom
Yellowfin Madtom
Carolina Madtom
Orangefin Madtom
Ouachita Madtom
Frecklebelly Madtom
Neosho Madtom

Ex [U.S.A.]
R U.S.A.
R U.S.A.
R Mexico, U.S.A.
R U.S.A.
V Canada
V U.S.A.
E [Mexico], U.S.A.

R Mexico
E Brazil
V Argentina

E Chile

R Mexico
R Mexico, U.S.A.
R Mexico
R Mexico
R Mexico
E U.S.A.
V U.S.A.
R U.S.A.
V U.S.A.
V U.S.A.
V U.S.A.
V U.S.A.

<i>Noturus stanauli</i>	Pygmy Madtom	E	U.S.A.
<i>Noturus taylori</i>	Caddo Madtom	V	U.S.A.
<i>Noturus trautmani</i>	Scioto Madtom	E	U.S.A.
<i>Prietella phreatophila</i>	Bagre de Muzquiz	E	Mexico
<i>Satan eurystomus</i>	Widemouth Blindcat	V	U.S.A.
<i>Trogloglanis pattersoni</i>	Toothless Blindcat	V	U.S.A.
Family Bagridae			
<i>Austroglanis barnardi</i>	Barnard's Rock-catfish	E	South Africa
<i>Austroglanis gilli</i>	Clanwilliam Rock-catfish	R	South Africa
<i>Austroglanis sclateri</i>	Rock-catfish	R	South Africa
<i>Coreobagrus ichikawai</i>	Nekogigi	E	Japan
Family Pangasiidae			
<i>Pangasianodon gigas</i>	Giant Catfish	V	Mekong Basin
<i>Pangasius sanitwongsei</i>	Pla Thepa	R	Mekong Basin
Family Sisoridae			
<i>Oreoglanis siamensis</i>		I	Thailand
Family Clariidae			
<i>Clarias cavernicola</i>	Cave Catfish	E	Namibia
<i>Horoglanis krishnai</i>	Cave Catfish	R	India
Family Mochokidae			
<i>Chiloglanis bifurcus</i>	Incomati Rock Catlet	V	South Africa
Family Pimelodidae			
<i>Rhamdia reddelli</i>	Juil Ciego	V	Mexico

Order SALMONIFORMES

Family Umbridae

Novumbra hubbsi

Olympic Mudminnow

R U.S.A.

Family Osmeridae

Hypomesus transpacificus

Osmerus spectrum

Delta Smelt

V U.S.A.

Pygmy Smelt

R Canada, U.S.A.

Family Retropinnidae

Prototroctes maraena

Prototroctes oxyrhynchus

Australian Grayling
New Zealand Grayling

V Australia, Tasmania
Ex [New Zealand]

Family Galaxiidae

Galaxias fontanus

Galaxias johnstoni

Galaxias parvus

Galaxias pedderensis

Galaxias tanycephalus

Neochanna burrowsius

Neochanna diversus

Swan Galaxias
Clarence Galaxias
Small Pedder Galaxias
Pedder Galaxias
Saddled Galaxias
Canterbury Mudfish
Black Mudfish

E Tasmania
E Tasmania
V Tasmania
V Tasmania
V Tasmania
R New Zealand
I New Zealand

Family Salmonidae

Coregonus alpenae

Coregonus artedii

Coregonus canadensis

Coregonus hoyi

Coregonus johannae

Coregonus kiyi

Coregonus nigripinnis

Coregonus oxyrhynchus

Coregonus reighardi

Ex [Great Lakes (North America)]
R Great Lakes (North America)
E Great Lakes (North America)
R Great Lakes (North America)
Ex [Great Lakes (North America)]
V Great Lakes (North America)
Ex [Great Lakes (North America)]
E North and Baltic Sea
E Great Lakes (North America)

<i>Coregonus</i> sp.	Opeongo Whitefish	E	Canada
<i>Coregonus</i> sp.	Squanga Whitefish	V	Canada
<i>Coregonus zenithicus</i>	Shortjaw Cisco	E	Great Lakes (North America)
<i>Hucho hucho</i>	Danube Salmon	E	Danube Basin
<i>Onchorhynchus apache</i>	Apache Trout	V	U.S.A.
<i>Onchorhynchus chrysogaster</i>	Mexican Golden Trout	V	Mexico
<i>Onchorhynchus clarki</i> (subspecies)	Cutthroat Trout	V	U.S.A.
<i>Onchorhynchus gilae</i>	Gila Trout	V	U.S.A.
<i>Onchorhynchus</i> sp.	Trucha de Yaqui	R	Mexico
<i>Salmo platycephalus</i>	Ala Balik	E	Turkey
<i>Salmothymus obtusirostris</i>	Adriatic Salmon	E	Yugoslavia
<i>Salvelinus agassizi</i>	Silver Trout	Ex	[U.S.A.]
<i>Salvelinus anaktuwukensis</i>	Angayukaksurak Char	R	U.S.A.
<i>Salvelinus confluentus</i>	Bull Trout	R	Canada, U.S.A.
<i>Stenodus leucichthys leucichthys</i>	Beloribitsa	V	U.S.S.R.

Order PERCOPSIFORMES

Family Amblyopsidae

<i>Amblyopsis rosae</i>	Ozark Cavefish	V	U.S.A.
<i>Amblyopsis spelaea</i>	Northern Cavefish	V	U.S.A.
<i>Speoplatyrhinus poulsoni</i>	Alabama Cavefish	E	U.S.A.

Order OPHIDIIFORMES

Family Ophidiidae

<i>Typhliasina pearsei</i>	Dama Ciega Blanca	E	Mexico
<i>Typhliasina</i> sp.	Nueva Dama Ciega	E	Mexico

Order CYPRINODONTIFORMES

Family Aplocheilidae

<i>Nothobranchius</i> sp.	Caprivi Killifish	E	Namibia
---------------------------	-------------------	---	---------

Family Rivulidae

Cynolebias bottoni
Cynolebias constanciae
Cynolebias marmoratus
Cynolebias minimus
Cynolebias opalescens
Cynolebias splendens
Rivulus marmoratus
Rivulus robustus

Brasilia Lyrefin R Brazil
 Ginger Pearlfish V Brazil
 Minute Pearlfish E Brazil
 Opalescent Pearlfish I Brazil
 Splendid Pearlfish E Brazil
 Rivulus E Brazil
 Rivulus U.S.A.
 Rivulus Almirante R Mexico

Family Fundulidae

Fundulus albolineatus
Fundulus julisia
Fundulus lima
Fundulus waccamensis
Lucania intertioris

Whiteline Topminnow Ex [U.S.A.]
 Barrens Topminnow R U.S.A.
 Killifish V Mexico
 Waccamaw Killifish V U.S.A.
 Sardinilla Cuatro Ciénegas E Mexico

Family Valenciidae

Valencia hispanica

Valencia Toothcarp E Spain

Family Poeciliidae

Gambusia alvarezi
Gambusia amistadensis
Gambusia eurystoma
Gambusia gaigei
Gambusia georgei
Gambusia heterochir
Gambusia hurtadoi
Gambusia longispinis
Gambusia nobilis
Gambusia senilis

Guayacon de San Gregorio V Mexico
 Amistad Gambusia Ex [U.S.A.]
 Guayacon Bocon R Mexico
 Big Bend Gambusia E U.S.A.
 San Marcos Gambusia Ex [U.S.A.]
 Clear Creek Gambusia V U.S.A.
 Guayacon de Hacienda Dolores V Mexico
 Guayacon de Cuatro Ciénegas V Mexico
 Pecos Gambusia V U.S.A.
 Guayacon Pinto R Mexico, U.S.A.

Micropanchax schoelleri
Poecilia latipunctata
Poecilia sulphuraria
Poeciliopsis occidentalis
Priapella bonita
Xiphophorus clemenciae
Xiphophorus couchianus
Xiphophorus gordonii
Xiphophorus meyeri

Family Goodeidae

Allotoca maculata
Ameca splendens
Ataeniobius toweri
Characodon audax
Characodon garmani
Characodon lateralis
Crenichthys baileyi (subspecies)
Crenichthys nevadae
Empetrichthys latos concavus
Empetrichthys latos latos
Empetrichthys latos pahrump
Empetrichthys merriami
Girardinichthys multiradiatus
Girardinichthys viviparus
Goodea gracilis
Huibsina turneri
Skiffia francesae
Xenophorus captivus

Family Cyprinodontidae

Campellobias brucei

Molly del Tamesi
Molly del Teapa
Charalito
Guayacon Ojiazul
Espada de Clemencia
Platy Monterrey
Platy Cuatro Ciénegas
Platy de Muzquiz

Opal Goodeid
Goodeid
Striped Goodeid
Bold Characodon
Parras Characodon
Rainbow Goodeid
White River Springfish
Railroad Valley Springfish
Raycraft Ranch Poolfish
Pahrump Poolfish
Pahrump Ranch Poolfish
Ash Meadows Killifish

Mexclapique

Tiro
Solo Goodeido

Santa Catarina Sabrefin

I Egypt
V Mexico
V Mexico
R Mexico, U.S.A.
Ex [Mexico]
R Mexico
E Mexico
E Mexico
E Mexico

E Mexico
E Mexico
E Mexico
V Mexico
Ex [Mexico]
E Mexico
V U.S.A.
V U.S.A.
Ex [U.S.A.]
E U.S.A.
Ex [U.S.A.]
Ex [U.S.A.]
E Mexico
E Mexico
V Mexico
E Mexico
E Mexico
E Mexico

Brazil

<i>Cualac tessellatus</i>	Cachorrito de Media Luna	E	Mexico
<i>Cyprinodon albarezi</i>	Perrito de Potosi	E	Mexico
<i>Cyprinodon atrorus</i>	Perrito del Bolson	R	Mexico
<i>Cyprinodon beltrani</i>	Cachorrito Lodero	V	Mexico
<i>Cyprinodon bifasciatus</i>	Perrito de Cuatro Ciénegas	R	Mexico
<i>Cyprinodon bovinus</i>	Leon Springs Pupfish	E	U.S.A.
<i>Cyprinodon diabolis</i>	Devils Hole Pupfish	V	U.S.A.
<i>Cyprinodon elegans</i>	Comanche Springs Pupfish	E	U.S.A.
<i>Cyprinodon eximius</i> (subspecies)	Conchos Pupfish	V	Mexico, U.S.A.
<i>Cyprinodon fontinalis</i>	Perrito de Carbonera	E	Mexico
<i>Cyprinodon labiosus</i>	Cachorrito Cangrejero	V	Mexico
<i>Cyprinodon latifasciatus</i>	Perrito de Parras	Ex	[Mexico]
<i>Cyprinodon macrolepis</i>	Largescale Pupfish	V	Mexico
<i>Cyprinodon macularius</i> (subspecies)	Desert Pupfish	E	Mexico, U.S.A.
<i>Cyprinodon maya</i>	Cachorrito Gigante	V	Mexico
<i>Cyprinodon meeki</i>	Cachorrito de Mezquital	E	Mexico
<i>Cyprinodon nazas</i>	Cachorrito del Aguascal	V	Mexico
<i>Cyprinodon nevadensis</i> (subspecies)	Amargosa Pupfish	V	U.S.A.
<i>Cyprinodon pachycephalus</i>	Cachorrito Cabezon	E	Mexico
<i>Cyprinodon pecosensis</i>	Pecos Pupfish	V	U.S.A.
<i>Cyprinodon radiosus</i>	Owens Pupfish	E	U.S.A.
<i>Cyprinodon salinus milleri</i>	Cottonball Marsh Pupfish	R	U.S.A.
<i>Cyprinodon salinus salinus</i>	Salt Creek Pupfish	R	U.S.A.
<i>Cyprinodon simus</i>	Cachorrito Boxeador	V	Mexico
<i>Cyprinodon spp.</i>	Perritos de Sandia	Ex?	Mexico
<i>Cyprinodon tularosa</i>	White Sands Pupfish	R	U.S.A.
<i>Cyprinodon verecundus</i>	Cachorrito de Dorsal Larga	V	Mexico
<i>Kosswigichthys asquamatus</i>	Scaleless Killifish	V	Turkey
<i>Megupsilon aporus</i>	Cachorrito Enano de Potosi	E	Mexico
<i>Orestias cuvieri</i>		E	Bolivia

Order BELONIFORMES
Family Adrianichthyidae
Adrianichthys kruyti
Xenopocilus ophorus
Xenopocilus poptae
Xenopocilus sarasinorum

Duck-billed Bunting
Egg-carrying Bunting
Popta’s Bunting

Sulawesi (Indonesia)
Sulawesi (Indonesia)
Sulawesi (Indonesia)
Sulawesi (Indonesia)

Family Oryziidae
Oryzias marmoratus
Oryzias matanensis
Oryzias nigrimas
Oryzias orthognathus
Oryzias profundicola

Black Bunting
Sharp-jawed Bunting

Sulawesi (Indonesia)
Sulawesi (Indonesia)
Sulawesi (Indonesia)
Sulawesi (Indonesia)
Sulawesi (Indonesia)

Family Hemiramphidae
Dermogenys megarramphus
Dermogenys weberi
Nomoramphus celebensis

Poso Halfbeak

Sulawesi (Indonesia)
Sulawesi (Indonesia)
Sulawesi (Indonesia)

Order ATHERINIFORMES
Family Atherinidae
Chirostoma bartoni
Chirostoma regani
Menidia conchorum
Menidia extensa
Poblana alchichica
Poblana ferdebueni
Poblana letholepis
Poblana squamata

Charal de la Caldera
Charal del Valle de Mexico
Key Silverside
Waccamaw Silverside
Charal de Alchichica

Charal de la Preciosa
Charal de Quechulac

Mexico
Mexico
U.S.A.
U.S.A.
Mexico
Mexico
Mexico
Mexico

Family Melanotaeniidae

Melanotaenia eachamensis

Pseudomugil mellis

Lake Eacham Rainbowfish
Honey Blue-eye

V Australia
V Australia

Family Phallostethidae

Phallostethus dunckeri

I Malaysia

Family Telmatherinidae

Paratherina cyanea

Paratherina labiosa

Paratherina striata

Paratherina wolterecki

Telmatherina abendanoni

Telmatherina bonti

Telmatherina celebensis

Telmatherina ladigesi

V Sulawesi (Indonesia)
V Sulawesi (Indonesia)
V Sulawesi (Indonesia)
V Sulawesi (Indonesia)
V Sulawesi (Indonesia)
V Sulawesi (Indonesia)
V Sulawesi (Indonesia)
V Sulawesi (Indonesia)
R Sulawesi (Indonesia)

Celebes Rainbow

Order GASTEROSTEIFORMES

Family Gasterosteidae

Gasterosteus aculeatus santacannae

Gasterosteus aculeatus williamsoni

Gasterosteus sp.

Gasterosteus sp.

Santa Ana Stickleback
Unarmored Threespine Stickleback
Giant Stickleback
Enos Stickleback

E U.S.A.
E U.S.A.
V Canada
V Canada

Order SYNGNATHIFORMES

Family Syngnathidae

Hippocampus capensis

Syngnathus watermayeri

Knysna Seahorse
River Pipefish

V South Africa
V South Africa

Order SYNBRANCHIFORMES

Family Synbranchidae

Ophisternon candidum

Ophisternon infernale

Blind Cave Eel
Anguila Ciega

I
E

Australia
Mexico

Order SCORPAENIFORMES

Family Cottidae

Cottus asperimus

Cottus echinatus

Cottus extensus

Cottus greeni

Cottus leiopomus

Cottus princeps

Cottus pygmaeus

Cottus tenuis

Myoxocephalus quadricornis

Rough Sculpin
Utah Lake Sculpin
Bear Lake Sculpin
Shoshone Sculpin
Wood River Sculpin
Klamath Lake Sculpin
Pygmy Sculpin
Slender Sculpin
Fourhorn Sculpin

R
Ex
R
V
R
R
E
R
V

U.S.A.
[U.S.A.]
U.S.A.
U.S.A.
U.S.A.
U.S.A.
U.S.A.
U.S.A.
Canada

Order PERCIFORMES

Family Percichthyidae

Maccullochella ikei

Maccullochella macquariensis

Maccullochella sp.

Eastern Freshwater Cod
Trout Cod
Mary River Cod

E
E
I

Australia
Australia
Australia

Family Centrarchidae

Ambloplites cavifrons

Elassoma boehlkei

Elassoma okatie

Elassoma sp.

Lepomis megalotis spp.

Micropterus notius

Micropterus salmoides ssp.

Roanoke Bass
Carolina Pygmy Sunfish
Bluebarred Pygmy Sunfish
Spring Pygmy Sunfish
Mojarra de Cuatro Ciénegas
Suwannee Bass
Robalo de Cuatro Ciénegas

R
R
R
V
R
R
R

U.S.A.
U.S.A.
U.S.A.
U.S.A.
Mexico
U.S.A.
Mexico

<i>Micropterus treculi</i>	Guadalupe Bass	R	U.S.A.
Family Percidae			
<i>Ammocrypta asprella</i>	Crystal Darter	R	U.S.A.
<i>Ammocrypta pellucida</i>	Eastern Sand Darter	V	Canada, U.S.A.
<i>Etheostoma acuticeps</i>	Sharphead Darter	R	U.S.A.
<i>Etheostoma aquali</i>	Coppercheek Darter	V	U.S.A.
<i>Etheostoma australe</i>	Dardo de Conchos	E	Mexico
<i>Etheostoma boschungii</i>	Slackwater Darter	V	U.S.A.
<i>Etheostoma cinereum</i>	Ashy Darter	R	U.S.A.
<i>Etheostoma cragini</i>	Arkansas Darter	R	U.S.A.
<i>Etheostoma ditrema</i>	Coldwater Darter	V	U.S.A.
<i>Etheostoma fonticola</i>	Fountain Darter	E	U.S.A.
<i>Etheostoma grahami</i>	Rio Grande Darter	R	Mexico, U.S.A.
<i>Etheostoma kanawhae</i>	Kanawha Darter	R	U.S.A.
<i>Etheostoma luteovinctum</i>	Redband Darter	R	U.S.A.
<i>Etheostoma maculatum</i>	Spotted Darter	R	U.S.A.
<i>Etheostoma mariae</i>	Pinewoods Darter	R	U.S.A.
<i>Etheostoma moorei</i>	Yellowcheek Darter	V	U.S.A.
<i>Etheostoma nianguae</i>	Niangua Darter	V	U.S.A.
<i>Etheostoma nuchale</i>	Watercress Darter	E	U.S.A.
<i>Etheostoma okaloosae</i>	Okaloosa Darter	V	U.S.A.
<i>Etheostoma osburni</i>	Finescale Saddled Darter	R	U.S.A.
<i>Etheostoma pallidorsum</i>	Paleback Darter	V	U.S.A.
<i>Etheostoma pottsi</i>	Mexican Darter	V	Mexico
<i>Etheostoma rubrum</i>	Bayou Darter	V	U.S.A.
<i>Etheostoma sellare</i>	Maryland Darter	E	U.S.A.
<i>Etheostoma sp.</i>	Dardo de Cuatro Cienegas	E	Mexico
<i>Etheostoma striatulum</i>	Striated Darter	R	U.S.A.
<i>Etheostoma trisella</i>	Trispot Darter	V	U.S.A.
<i>Etheostoma tuscumbia</i>	Tuscumbia Darter	V	U.S.A.
<i>Etheostoma wapiti</i>	Boulder Darter	V	U.S.A.

<i>Perca schrenki</i>	Balkhash Perch	R	U.S.S.R.
<i>Percina antesella</i>	Amber Darter	E	U.S.A.
<i>Percina aurolineata</i>	Goldline Darter	V	U.S.A.
<i>Percina burtoni</i>	Blotchside Logperch	R	U.S.A.
<i>Percina cymatotaenia</i>	Bluestripe Darter	R	U.S.A.
<i>Percina jenikinsi</i>	Conasauga Logperch	E	U.S.A.
<i>Percina lenticula</i>	Freckled Darter	V	U.S.A.
<i>Percina macrocephala</i>	Longhead Darter	V	U.S.A.
<i>Percina nasuta</i>	Longnose Darter	V	U.S.A.
<i>Percina pantherina</i>	Leopard Darter	V	U.S.A.
<i>Percina rex</i>	Roanoke Logperch	E	U.S.A.
<i>Percina tanasi</i>	Snail Darter	V	U.S.A.
<i>Percina uranidea</i>	Stargazing Darter	R	U.S.A.
<i>Romanichthys valsanicola</i>	Asprete	E	Romania
<i>Zingel asper</i>	Asper	E	Rhone Basin
<i>Zingel streber</i>	Streber	V	Danube Basin
Family Sciaenidae			
<i>Totoaba macdonaldi</i>	Totoaba	E	Mexico
Family Cichlidae			
<i>Astatotilapia brevis</i>	Orange-fringed Largemouth	R	South Africa
<i>Cichlasoma bartoni</i>	Mojarra Caracolera	E	Mexico
<i>Cichlasoma labridens</i>	Mojarra	E	Mexico
<i>Cichlasoma minckleyi</i>	Mojarra Caracolera de Cuatro Cienegas	E	Mexico
<i>Cichlasoma pantostictum</i>	Mojarra	R	Mexico
<i>Cichlasoma</i> sp.	Mojarra Caracolera de Media Luna	E	Mexico
<i>Cichlasoma steindachneri</i>	Mojarra	R	Mexico
<i>Cichlasoma urophthalmus ericymba</i>	Mojarra de Bulha	E	Mexico
<i>Konia dikume</i>	Dikume	V	Cameroon
<i>Konia eisentrauti</i>	Konye	V	Cameroon

<i>Myaka myaka</i>	Myaka myaka	V	Cameroon
<i>Oreochromis alcalicus grahami</i>	Lake Magadi Tilapia	R	Kenya
<i>Pungu maclareni</i>	Pungu	V	Cameroon
<i>Sarotherodon caroli</i>	Fissi	V	Cameroon
<i>Sarotherodon linnellii</i>	Unga	V	Cameroon
<i>Sarotherodon lohbergeri</i>	Leka Keppe	V	Cameroon
<i>Sarotherodon steinbachi</i>	Kululu	V	Cameroon
<i>Serranochromis meridianus</i>	Lowveld Largemouth	R	South Africa
<i>Stomatepia mariae</i>	Nsess	V	Cameroon
<i>Stomatepia mongo</i>	Mongo	V	Cameroon
<i>Stomatepia pindu</i>	Pindu	V	Cameroon
<i>Tilapia guinasana</i>	Otjikoto Tilapia	E	Namibia
<i>haplochromine spp.</i> (c. 250 spp.)	Lake Victoria Cichlids	E	East Africa
<i>tilapiine spp.</i> (2 spp.)	Lake Victoria Cichlids	E	East Africa
Family Embiotocidae			
<i>Hysteroecarpus traski poma</i>	Russian River Tule Perch	R	U.S.A.
Family Mugilidae			
<i>Myxus capensis</i>	Freshwater Mullet	R	South Africa
Family Eleotrididae			
<i>Eleotris sandwicensis</i>	Oopu	R	U.S.A.
<i>Hypseleotris dayi</i>	Golden Sleeper	R	South Africa
<i>Mogurnda n.sp.</i>	Flinders Gudgeon	V	Australia
Family Gobiidae			
<i>Awaous stamineus</i>	Oopu Nakea	R	U.S.A.
<i>Chlamydogobius n.sp.</i>	Elizabeth Springs Goby	V	Australia
<i>Croilia mossambica</i>	Burrowing Goby	I	South Africa
<i>Ecomidichthys trichonis</i>		R	Greece
<i>Eucyclogobius newberryi</i>	Tidewater Goby	R	U.S.A.
<i>Glossogobius intermedius</i>		V	Sulawesi (Indonesia)

Glossogobius matanensis
Knipowitschia punctatissima
Knipowitschia thessala
Lenites concolor
Mistichthys luzonensis
Mugilogobius latifrons
Mugilogobius n.sp.
Padogobius nigricans
Redigobius dewaali
Sicydium stimpsoni
Silhouettea sibayi
Stupidogobius flavipinnis
Taenioides jacksoni
Tamanka sarasinorum
Weberogobius amadi

Family Anabantidae
Sandelia bairdii

Family Belontiidae
Belontia signata
Malpulutta kretseri

V		Sulawesi (Indonesia)
R		Greece
E		Greece
V	Oopu Alamoo	U.S.A.
V	Sinarapan	Philippines
V		Sulawesi (Indonesia)
V		Sulawesi (Indonesia)
V		Greece
R	Checked Goby	Mozambique, South Africa
R	Oopu Nopili	U.S.A.
R	Sibayi Goby	South Africa
V		Sulawesi (Indonesia)
V	Bearded Goby	South Africa
V	Sarasin's Goby	Sulawesi (Indonesia)
E	Poso Bungu	Sulawesi (Indonesia)
V	Eastern Province Rocky	South Africa
R	Combtail	Sri Lanka
V	Ornate Paradisefish	Sri Lanka

INVERTEBRATES
Other than Insects

Phylum CILIOPHORA

Class POLYHYMENOPHOREA

Order HETEROTRICHIDA

Family Stentoridae

Stentor introversus

K U.S.A.

Tartar's Stentor

Phylum CNIDARIA

Order GORGONACEA

Family Plexauridae

Eunicella verrucosa

K Mediterranean Sea, N.E. Atlantic Ocean

Broad Sea Fan

Order HELIOPORACEA

Family Coralliidae

Corallium (20 species)

CT Mediterranean Sea, Pacific Ocean

Precious Corals

Order ACTINARIA

Family Edwardsiidae

Edwardsia ivellii

Nematostella vectensis

Ex? U.K.
V U.K., North America

Ivell's Sea Anemone
Starlet Sea Anemone

Order ANTIPATHARIA

Family Anthipathidae

Anthipathidae (c 150 species)

CT Caribbean, Indo-Pacific

Black Coral

Phylum PLATYHELMINTHES

Class TURBELLARIA

Order TRICLADIDA

Family Kenkiidae

Kenkia rhynchida

Romanzenkius pedderensis

Sphalloplana holsingeri

Sphalloplana subtilis

R U.S.A.
Ex? Tasmania
E U.S.A.
E U.S.A.

Malheur Cave Planarian
Lake Pedder Planarian
Holsinger's Groundwater Planarian
Bigger's Groundwater Planarian

Phylum NEMERTEA

Class ENOPLA

Order HOPLONEMERTEA

Family Prosorhochmidae

<i>Antiponemertes allisonae</i>	V	New Zealand
<i>Argonemertes australiensis</i>	R	Australia
<i>Argonemertes hillii</i>	R	Australia
<i>Argonemertes stocki</i>	R	Australia
<i>Geonemertes rodericana</i>	R	Rodrigues
<i>Katechonemertes nightingaleensis</i>	R	Tristan da Cunha
<i>Leptonemertes chalicophora</i>	R	Madeira, Azores, Canary Is (Spain)
<i>Pantinonemertes agricola</i>	R	Bermuda
<i>Pantinonemertes enalios</i>	K	Australia
<i>Pantinonemertes winsori</i>	K	Australia

Phylum MOLLUSCA

Order GYMNOSOMATA

Family Corambidae

<i>Doridella batava</i>	K	Netherlands
Zuiderzee Doridella Sea Slug		

Class BIVALVIA

Order PTERIOIDA

Family Pteriidae

<i>Pinctada margaritifera</i>	CT	Indo-Pacific
<i>Pinctada maxima</i>	CT	Indo-Pacific
Black-lipped Pearl Oyster		
Gold-lipped Pearl Oyster		

Order UNIONOIDA

[illegible]

<i>Epioblasma haysiana</i>	Acorn Pearly Mussel	E	U.S.A.
<i>Epioblasma lefevrei</i>	Lefevre's Pearly Mussel	Ex	[U.S.A.]
<i>Epioblasma lenior</i>	Stone's Pearly Mussel	Ex	[U.S.A.]
<i>Epioblasma lewisi</i>	Lewis Pearly Mussel	Ex?	U.S.A.
<i>Epioblasma metastriata</i>		E	U.S.A.
<i>Epioblasma othcaloogensis</i>	Southern Acorn Riffle Shell	E	U.S.A.
<i>Epioblasma penita</i>	Penitent Mussel	E	U.S.A.
<i>Epioblasma personata</i>	Fine-rayed Pearly Mussel	Ex	[U.S.A.]
<i>Epioblasma propinqua</i>	Nearby Pearly Mussel	Ex	[U.S.A.]
<i>Epioblasma sampsoni</i>	Sampson's Pearly Mussel	E	U.S.A.
<i>Epioblasma stewardsoni</i>	Steward's Pearly Mussel	Ex	[U.S.A.]
<i>Epioblasma sulcata delicata</i>	White Cat's Paw Mussel	E	U.S.A.
<i>Epioblasma sulcata sulcata</i>	Purple Cat's Paw Mussel	E	U.S.A.
<i>Epioblasma torulosa gubernaculum</i>	Green-blossom Pearly Mussel	E	U.S.A.
<i>Epioblasma torulosa rangiana</i>	Tan-blossom Pearly Mussel	E	Canada, U.S.A.
<i>Epioblasma torulosa torulosa</i>	Tubercled-blossom Pearly Mussel	E	Canada, U.S.A.
<i>Epioblasma triquetra</i>	Snuffbox	V	U.S.A.
<i>Epioblasma turgidula</i>	Turgid-blossom Pearly Mussel	E	U.S.A.
<i>Epioblasma walkeri</i>	Tan Riffle Shell Mussel	E	U.S.A.
<i>Fusconaia collina</i>	Virginia Spiny Mussel	I	U.S.A.
<i>Fusconaia cuneolus</i>	Fine-rayed Pigtoe Pearly Mussel	E	U.S.A.
<i>Fusconaia edgariana</i>	Shiny Pigtoe Pearly Mussel	E	U.S.A.
<i>Hemistena lata</i>	Cracking Pearly Mussel	E	U.S.A.
<i>Lampsilis dolabraeformis</i>		Ex?	U.S.A.
<i>Lampsilis fasciola</i>	Higgin's Eye Pearly Mussel	Ex	[U.S.A.]
<i>Lampsilis higginsii</i>		E	U.S.A.
<i>Lampsilis hostonia</i>	Pink Mucket Pearly Mussel	Ex	[U.S.A.]
<i>Lampsilis orbiculata</i>		E	U.S.A.
<i>Lampsilis perovialis</i>		I	U.S.A.
<i>Lampsilis rafinesqueana</i>	Neosho Pearly Mussel	E	U.S.A.
<i>Lampsilis streckeri</i>		I	U.S.A.
<i>Lampsilis virescens</i>	Alabama Lamp Pearly Mussel	E	U.S.A.

<i>Lasmigona holstonia</i>			I	U.S.A.
<i>Leptodea leptodon</i>	Scale Shell		I	U.S.A.
<i>Lexingtonia dolabelloides</i>	Slab-sided Pearly Mussel		I	U.S.A.
<i>Megalonaia nicklineana</i>	Nicklin's Pearly Mussel		E	Mexico
<i>Microcondylaea compressa</i>			I	Southern Europe
<i>Obovaria retusa</i>	Golf Stick Pearly Mussel		I	U.S.A.
<i>Pegias fabula</i>	Little Winged Pearly Mussel		E	U.S.A.
<i>Plectomeris dombeyana</i>			Ex	[U.S.A.]
<i>Plethobasus cicatricosus</i>	White Warty Back Pearly Mussel		E	U.S.A.
<i>Plethobasus cooperianus</i>	Cumberland Pigtoe		E	U.S.A.
<i>Pleurobema clava</i>	Northern Club Shell		I	U.S.A.
<i>Pleurobema curtum</i>	Curtus's Mussel		E	U.S.A.
<i>Pleurobema marshalli</i>	Marshall's Mussel		E	U.S.A.
<i>Pleurobema oviforme</i>			I	U.S.A.
<i>Pleurobema plenum</i>	Rough Pigtoe Pearly Mussel		E	U.S.A.
<i>Pleurobema rubrum</i>			I	U.S.A.
<i>Pleurobema taitianum</i>	Judge Tait's Mussel		E	U.S.A.
<i>Potamilus capax</i>	Fat Pocketbook		E	U.S.A.
<i>Potamilus inflatus</i>			I	U.S.A.
<i>Quadrula cylindrica strigillata</i>	Rough Rabbit's Foot Pearly Mussel		I	U.S.A.
<i>Quadrula fragosa</i>	Rough Maple Leaf Pearly Mussel		Ex	[U.S.A.]
<i>Quadrula intermedia</i>	Cumberland Monkey Face Pearly Mussel		E	U.S.A.
<i>Quadrula sparsa</i>	Appalachian Monkey Face Pearly Mussel		E	U.S.A.
<i>Quadrula stapes</i>	Stirrup Shell		E	U.S.A.
<i>Simponaia ambigua</i>			I	U.S.A.
<i>Simpsoniconcha ambigua</i>	Salamander Mussel		I	U.S.A.
<i>Toxolasma cylindrella</i>	Pale Lilliput Pearly Mussel		E	U.S.A.
<i>Unio crassus</i>			V	Central & Northern Europe
<i>Unio elongatulus</i>			I	Southern Europe
<i>Villosa choctawensis</i>	Choctaw Pearly Mussel		I	U.S.A.
<i>Villosa fabalis</i>	Bean Mussel		I	U.S.A.
<i>Villosa ortmanni</i>	Ortmann's Pearly Mussel		R	U.S.A.

<i>Villosa purpurea</i>	Fine-rayed Purple Pearly Mussel	I	U.S.A.
<i>Villosa trabalis</i>	Cumberland Bean Pearly Mussel	E	U.S.A.
Family Margaritiferidae			
<i>Cumberlandia monodonta</i>	Spectacle Case Pearly Mussel	I	U.S.A.
<i>Margaritifera auricularia</i>	Spengler's Freshwater Mussel	V	Catalonia (Spain)
<i>Margaritifera margaritifera</i>	Freshwater Pearl Mussel	V	Europe, North America
<i>Margaritifera marrianae</i>	Alabama Pearl Shell	I	U.S.A.
Order VENEROIDA			
Family Tridacnidae			
<i>Hippopus hippopus</i>	Horse's Hoof Clam	I	Indo-Pacific
<i>Hippopus porcellanus</i>	China Clam	I	Indo-Pacific
<i>Tridacna crocea</i>	Crocus Clam	K	Indo-Pacific
<i>Tridacna derasa</i>	Southern Giant Clam	V	Indo-Pacific
<i>Tridacna gigas</i>	Giant Clam	V	Indo-Pacific
<i>Tridacna maxima</i>	Small Giant Clam	K	Indo-Pacific
<i>Tridacna squamosa</i>	Scaly Clam	I	Indo-Pacific
Family Pisidiidae			
<i>Pisidium ultramontanum</i>		I	U.S.A.
Family Hyriidae			
<i>Velesunio moretonicus</i>		I	Tasmania
Class GASTROPODA			
Order ARCHAEOGASTROPODA			
Family Turbinidae			
<i>Turbo marmoratus</i>	Green Snail	CT	Indo-Pacific
Family Neritidae			
<i>Neritilia hawaiiensis</i>		I	Hawaii (U.S.A.)

Order MESOGASTROPODA

Family Valvatidae

Valvata utahensis

Family Pomatiasidae

Pomatias raricosta

Family Hydrobiidae

Amnicola deserta

Aphaostracon asthenes

Aphaostracon monas

Aphaostracon pycnus

Aphaostracon xynoelictus

Arganiella exilis

Avenionia brevis

Belgrandiella pyrenaica

Bythinella bicarinata

Bythinella carinulata

Bythinella pupoides

Bythinella reyniesii

Bythinella vesontiana

Bythinella viridis

Bythiospeum articense

Bythiospeum bressanum

Bythiospeum diaphanum

Bythiospeum garnieri

Cinnannatia helicogrya

Cinnannatia mica

Cinnannatia monroensis

Cinnannatia parva

Cinnannatia ponderosa

Utah Roundmouth Snail

V Tenerife (Canary Is, Spain)

St George Snail

Blue Spring Aphaostracon

Wekiwa Springs Aphaostracon

Compact Hydrobe Snail

Fenney's Spring Hydrobe Snail

Helicoid Spring Snail

Sand Grain Snail

Enterprise Spring Snail

Ponderous Spring Snail

I U.S.A.

I U.S.A.

I U.S.A.

I U.S.A.

I U.S.A.

I France

I Belgium, France, Netherlands

I France

I France

I France

I France, Switzerland

I Austria, France

I France

I France

I France

I France

I France, Switzerland

I France

I U.S.A.

I U.S.A.

I U.S.A.

I U.S.A.

I U.S.A.

I U.S.A.

<i>Cinninnatia vanhyningi</i>	Seminole Spring Snail	I	U.S.A.
<i>Cinninnatia wekiwae</i>	Wekiwa Spring Snail	I	U.S.A.
<i>Coahuilix hubbsi</i>	Coahuilix de Hubbs Snail	V	Mexico
<i>Cochliopa texana</i>	Phantom Cave Snail	I	U.S.A.
<i>Cochliopina milleri</i>	Miller's Snail	V	Mexico
<i>Coxiella striata</i>		I	Tasmania
<i>Durangonella coahuilae</i>	Durangonella de Coahuila Snail	V	Mexico
<i>Fissuria boui</i>		I	France
<i>Fluminicola avernalis</i>	Muddy Valley Turban Snail	I	U.S.A.
<i>Fluminicola erythropoma</i>	Point of Rocks Spring Snail	E	U.S.A.
<i>Fluminicola merriami</i>	Pahrnagat Valley Turban Snail	I	U.S.A.
<i>Fluminicola robusta</i>	Elk Island Snail	I	U.S.A.
<i>Fluminicola</i> sp. (3 species)		I	U.S.A.
<i>Fontelicella micrococcus</i>	Amargosa Fontelicella	I	U.S.A.
<i>Fontelicella neomexicana</i>	Socorro Spring Snail	Ex?	U.S.A.
<i>Fontelicella robusta</i>		I	U.S.A.
<i>Fontelicella robusta walkeri</i>		I	U.S.A.
<i>Fontelicella</i> sp. a	Roswell Fontelicella	V	U.S.A.
<i>Fontelicella</i> sp. b (2 species)		I	U.S.A.
<i>Glacidorbis pawpela</i>		I	U.S.A.
<i>Glacidorbis pedderi</i>		I	Tasmania
<i>Hauffenia minuta</i>		I	Tasmania
<i>Hydrobia scamandri</i>		I	France, Switzerland
<i>Lithoglyphus columbiana</i>		I	France
<i>Lithabitella elliptica</i>	Giant Columbia River Spire Snail	E	U.S.A.
<i>Marstonia agarhcta</i>		I	France
<i>Marstonia castor</i>		I	U.S.A.
<i>Marstonia ognoraphe</i>	Obese Marstonia Snail	I	U.S.A.
<i>Marstonia pachyta</i>	Thick-shelled Marstonia Snail	I	U.S.A.
<i>Mexipyrigus carranzae</i>	Mexipyrigus de Carranza Snail	V	Mexico
<i>Mexipyrigus churinceanus</i>	Mexipyrigus de Churince Snail	V	Mexico
<i>Mexipyrigus escobedae</i>	Mexipyrigus de Escobeda Snail	V	Mexico

<i>Mexipyrigus lugoi</i>	Mexipyrigus de Lugo Snail	V	Mexico
<i>Mexipyrigus mojarralis</i>	Mexipyrigus de West El Mojarral Snail	V	Mexico
<i>Mexipyrigus multilineatus</i>	Mexipyrigus de East El Mojarral Snail	V	Mexico
<i>Mexithauma quadripaludium</i>	Mexithauma de Cienegas Snail	V	Mexico
<i>Moitessieria juvenisanguis</i>		I	France
<i>Moitessieria lineolata</i>		I	France
<i>Moitessieria locardi</i>		I	France
<i>Moitessieria puteana</i>		I	France
<i>Moitessieria rayi</i>		I	France
<i>Moitessieria rolandiana</i>		I	France
<i>Moitessieria simoniana</i>		I	France
<i>Nymphophilus minckleyi</i>	Nymphophilus de Minckley Snail	V	Mexico
<i>Palacanthilhiopsis vervieri</i>		I	France
<i>Paladilhia pleurotoma</i>		I	France
<i>Paladilhiois bourgignati</i>		I	France
<i>Paludiscala caramba</i>		V	Mexico
<i>Plagiogeyeria conilis</i>		I	France
<i>Pseudamnicola anteisensis</i>	Paludiscala de Oro Snail	I	France
<i>Pseudamnicola klemmi</i>		I	France
<i>Somatogyrus catanotus</i>		I	France
<i>Somatogyrus parvulus</i>		I	U.S.A.
<i>Somatogyrus tenax</i>		I	U.S.A.
<i>Stiobia nana</i>		I	U.S.A.
<i>Tryonia cheatumi</i>	Cheatum's Snail	I	U.S.A.
<i>Tryonia clathrata</i>	White River Snail	I	U.S.A.
<i>Tryonia imitator</i>	California Brackish Water Snail	I	U.S.A.
<i>Tryonia n.sp.</i> (6 species)		I	U.S.A.
Family Assimineidae			
<i>Assimineae infirma</i>	Badwater Snail	I	U.S.A.
<i>Assimineae sp.</i>	Pecos Assiminea Snail	V	U.S.A.

Family Aciculidae

<i>Platyla foliniana</i>	I	France
<i>Renea bourguignatiana</i>	I	France
<i>Renea gormonti</i>	I	France
<i>Renea moutonii</i>	I	France
<i>Renea paillona</i>	I	France
<i>Renea singularis</i>	I	France

Family Pleuroceridae

<i>Apella alabamensis</i>	Ex	[U.S.A.]
<i>Apella babylonia</i>	Ex	[U.S.A.]
<i>Athearni anthonyi</i>	Ex	[U.S.A.]
<i>Athearni crassa</i>	I	U.S.A.
<i>Elimia albanyensis</i>	I	U.S.A.
<i>Goniobasis albanyensis</i>	I	U.S.A.
<i>Io arwigera arwigera</i>	E	U.S.A.
<i>Io fluviatilis</i>	V	U.S.A.
<i>Leptoxis crassa</i>	I	U.S.A.
<i>Leptoxis praerosa</i>	Ex	[U.S.A.]
<i>Leptoxis subumbilicata</i>	I	U.S.A.
<i>Lithasia armigera</i>	I	U.S.A.
<i>Lithasia duttoniana</i>	I	U.S.A.
<i>Lithasia geniculata</i>	I	U.S.A.
<i>Lithasia jayana</i>	E	U.S.A.
<i>Lithasia lima</i>	E	U.S.A.
<i>Lithasia salebrosa</i>	E	U.S.A.
<i>Lithasia verrucosa</i>	I	U.S.A.

Family Strombidae

<i>Strombus gigas</i>	CT	Caribbean
-----------------------	----	-----------

Queen Conch

Family Cymatidae
Charonia tritonis

Triton's Trumpet

R

Indo-Pacific

Order BASOMMATOPHORA

Family Lymnaeidae

Lymnaea kingii
Myxas glutinosa
Stagnicola pilsbryi

Utah Band Snail
Glutinous Snail
Fish Springs Pond Snail

I U.S.A.
V Europe
I U.S.A.

Family Laniidae

Fisherola nuttalli

Giant Columbia River Limpet

I U.S.A.

Family Physidae

Physa sp.
Physa spelunca
Physa utahensis
Physa virgata
Physa zioni
Stenophysa microstriata

Snake River Physa Snail
Wyoming Cave Snail
Utah Bubble Snail
Zion Canyon Snail
Fish Lake Snail

V U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.

Family Planorbidae

Ancylastrum cumingianus
Helisoma jacksonense
Helisoma magnificum
Segmentina nitida
Taphius eucosmius eucosmius

Tasmanian Freshwater 'Limpet'
Jackson Lake Snail
Cape Fear Ramshorn Snail
Shiny Ram's-Horn
Greenfield Ramshorn Snail

E Tasmania
I U.S.A.
I U.S.A.
V Europe
I U.S.A.

Order STYLOMMATOPHORA

Family Achatinellidae

Achatinella a (41 species)

22 species Little Agate Shells
19 species Little Agate Shells

Ex [Hawaii, (U.S.A.)]
E Hawaii (U.S.A.)

Partulina confusa
Partulina crassa
Partulina fusoides
Partulina montagui
Partulina perdix
Partulina splendida
Perdicella kuhnsi

Family Partulidae

Partula aurantia
Partula exigua
Partula gibba
Partula hebe
Partula langfordi
Partula mirabilis
Partula mooreana
Partula radiolata
Partula salifana
Partula suturalis
Partula taeniata
Partula tohiveana
Samoana abbreviata
Samoana diaphana
Samoana fragilis
Samoana solitaria

Family Cochlicopidae

Cryptazeca monodonta
Cryptazeca subcylindrica
Hypnophila remyi

E	Hawaii (U.S.A.)
Ex	[Hawaii (U.S.A.)]
V	Hawaii (U.S.A.)
Ex	[Hawaii (U.S.A.)]
V	Hawaii (U.S.A.)
V	Hawaii (U.S.A.)
I	Hawaii (U.S.A.)

Ex	[Moorea (Society Is)]
Ex	[Moorea (Society Is)]
E	Guam (U.S.A.)
E	Society Is
E	Mariana Is (U.S.A.)
Ex	[Moorea (Society Is)]
Ex	[Moorea (Society Is)]
V	Guam (U.S.A.)
Ex?	Guam (U.S.A.)
Ex	[Moorea (Society Is)]
Ex	[Moorea (Society Is)]
Ex	[Moorea (Society Is)]
I	American Samoa
E	Society Is
E	Guam (U.S.A.)
E	Society Is

I	Pyrenees (France & Spain)
I	France
I	Corsica (France)

Moorean Viviparous Tree Snail
Moorean Viviparous Tree Snail
Tree Snail

Moorean Viviparous Tree Snail
Moorean Viviparous Tree Snail
Tree Snail
Tree Snail
Moorean Viviparous Tree Snail
Moorean Viviparous Tree Snail
Moorean Viviparous Tree Snail
Short Samoan Tree Snail
Moorean Viviparous Tree Snail
Tree Snail
Moorean Viviparous Tree Snail

Family Amastridae

- Carelia* (all species)
- Thaanumia* sp.

Family Chondrinidae

- Chondrina megacheilos caziotana*
- Leiostyla abbreviata*
- Leiostyla cassida*
- Leiostyla corneocostata*
- Leiostyla gibba*
- Leiostyla lamellosa*
- Solatopupa cianensis*
- Solatopupa guidoni*
- Solatopupa psarolena*
- Sterkia clementina*

Family Vertiginidae

- Truncatellina arcyensis*
- Vertigo alabamensis*
- Vertigo angustior*
- Vertigo genesii*
- Vertigo geyeri*
- Vertigo hebarði*
- Vertigo moulinsiana*

Family Enidae

- Napaeus badiusus*
- Napaeus nanodes*
- Napaeus propinguis*
- Napaeus roccellicola*
- Napaeus tarnerianus*

Ex	[Hawaii (U.S.A.)]		
Ex?	Hawaii (U.S.A.)		
I	France		
V	Madeira (Portugal)	Madeiran Land Snail	
V	Madeira (Portugal)	Madeiran Land Snail	
V	Madeira (Portugal)	Madeiran Land Snail	
V	Madeira (Portugal)	Madeiran Land Snail	
V	Madeira (Portugal)	Madeiran Land Snail	
I	France		
I	Corsica (France)		
I	France		
I	U.S.A.	San Clemente Island Blunt-top Snail	
I	France		
I	U.S.A.		
V	Europe	Narrow-mouthed Whorl Snail	
V	Europe	Round-mouthed Whorl Snail	
V	Europe		
I	U.S.A.		
V	Europe	Des Moulin's Snail	
V	Tenerife (Canary Is, Spain)		
R	Tenerife (Canary Is, Spain)		
R	Tenerife (Canary Is, Spain)		
E	Tenerife (Canary Is, Spain)		
R	Tenerife (Canary Is, Spain)		

<i>Napaeus variatus</i>				V	Tenerife (Canary Is, Spain)
Family Clausiliidae					
<i>Balea perversa</i>	Tree Snail			V	Europe
<i>Laminifera pauli</i>				I	France
<i>Macrogastra lineolata euzieriana</i>				I	France
Family Succineidae					
<i>Catinella arenaria</i>	Sandbowl Snail			V	Europe
<i>Oxyloma haydeni kanabensis</i>	Kanab Amber Snail			I	U.S.A.
<i>Succinea chittengoensis</i>	Chittengo Ovate Amber Snail			V	U.S.A.
Family Streptaxidae					
<i>Gulella plantii</i>	Plant's Gulella Snail			V	South Africa
Family Rhytididae					
<i>Paryphanta busbyi</i>	Kauri Amber Snail			V	New Zealand
<i>Paryphanta compta</i>				V	New Zealand
<i>Paryphanta fletcheri</i>				V	New Zealand
<i>Paryphanta gilliesi</i>				V	New Zealand
<i>Paryphanta hochstetteri</i>				V	New Zealand
<i>Paryphanta lignaria</i>				V	New Zealand
<i>Paryphanta rossiana</i>				V	New Zealand
<i>Paryphanta traversi</i>				V	New Zealand
Family Acavidae					
<i>Ancglypta launcestonensis</i>	Granulated Tasmanian Snail			E	Tasmania
Family Bulimulidae					
<i>Bulimulus</i> (31 endemic species)	Stock Island Tree Snail			E	Galapagos Is (Ecuador)
<i>Orthalicus reses</i>				V	U.S.A.
<i>Placostylus ambagiosus</i>				V	New Zealand

<i>Placostylus bollonsi</i>					V	New Zealand
<i>Placostylus hongii</i>				Flax Snail	V	New Zealand
Family Arionidae						
<i>Binneya notabilis</i>				Slug Snail	V	U.S.A.
<i>Geomalacus maculosus</i>				Kerry Slug	V	Ireland, Spain, Portugal
Family Endodontidae						
<i>Anguispira picta</i>				Painted Snake-coiled Forest Snail	V	U.S.A.
<i>Discus defloratus</i>					V	Madeira (Portugal)
<i>Discus guerinianus</i>				Madeiran Land Snail	V	Madeira (Portugal)
<i>Discus mactinotocki</i>				Iowa Pleistocene Snail	E	U.S.A.
<i>Discus marmorensis</i>					I	U.S.A.
<i>Discus scutula</i>					R	Tenerife (Canary Is, Spain)
<i>Helicodiscus diadema</i>					I	U.S.A.
<i>Helicodiscus hexodon</i>					I	U.S.A.
<i>Thaumatodon hystricelloides</i>					E	Western Samoa
Family Limacidae						
<i>Malacolimax wiktori</i>					V	Tenerife (Canary Is, Spain)
Family Parmacellidae						
<i>Parmacella gervaisi</i>					Ex	[France]
<i>Parmacella tenerifensis</i>					V	Tenerife (Canary Is, Spain)
Family Helicarionidae						
<i>Diastole matafaoi</i>				Mount Matafao Different Snail	I	American Samoa
Family Zonitidae						
<i>Glyphyalinia pecki</i>					I	U.S.A.
<i>Paravitrea clappi</i>					I	U.S.A.
<i>Vitrea pseudotrolli</i>					I	France

Family Vitrinidae

Insulivitrina mascaensis
Insulivitrina reticulata

R Tenerife (Canary Is, Spain)
E Tenerife (Canary Is, Spain)

Family Polygyridae

Ashmunella pasonis
Mesodon archeri
Mesodon clarki nantahala
Mesodon clausus trossulus
Mesodon clenchi
Mesodon jonesianus
Mesodon magazinensis
Polygyra hippocrepsis
Polygyra peregrina
Polygyruscus virginianus
Stenotrema hubrichti
Stenotrema leai cheatumi
Stenotrema pilsbryi
Triodopsis mullani magnidentata
Triodopsis occidentalis
Triodopsis platysayoides
Vespericola karokorum

Archer's Toothed Land Snail
Noonday Snail
Banded Mesodon
Clench's Middle-toothed Land Snail
Jones' Middle-toothed Land Snail
Magazine Mountain Middle-toothed Snail
Strange Many-whorled Land Snail
Virginia Fringed Mountain Snail
Pilsbry's Narrow-apertured Land Snail
Western Three-toothed Land Snail
Flat-spined Three-toothed Snail
Karok Indian Snail

I U.S.A.
I U.S.A.
V U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.
E U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.
E U.S.A.
V U.S.A.

Family Ammonitellidae

Ammonitella yatesi

I U.S.A.

Family Camaenidae

Papustyla pulcherrima

R Papua New Guinea

Family Oreohelicidae

Oreohelix avalonensis

I U.S.A.

<i>Oreohelix idahoensis idahoensis</i>					
<i>Oreohelix jugalis intersum</i>					
<i>Oreohelix jugalis jugalis</i>					
<i>Oreohelix jugalis vortex</i>					
<i>Oreohelix peripherica weberiana</i>					
<i>Oreohelix strigosa goniogrya</i>					
<i>Oreohelix vortex</i>					
<i>Oreohelix waltoni</i>					
Family Helminthoglyptidae					
<i>Helminthoglypta allynsmithi</i>					
<i>Helminthoglypta arrosa mattolensis</i>					
<i>Helminthoglypta arrosa miwoka</i>					
<i>Helminthoglypta arrosa pomaensis</i>					
<i>Helminthoglypta arrosa williamsi</i>					
<i>Helminthoglypta callistoderma</i>					
<i>Helminthoglypta mohaveana</i>					
<i>Helminthoglypta nickliniana awania</i>					
<i>Helminthoglypta nickliniana bridgesi</i>					
<i>Helminthoglypta nickliniana contracosta</i>					
<i>Helminthoglypta sequoicola consors</i>					
<i>Helminthoglypta traski coelata</i>					
<i>Helminthoglypta walkeriana</i>					
<i>Micrarionta facta</i>					
<i>Micrarionta feralis</i>					
<i>Micrarionta gabbi</i>					
<i>Micrarionta immaculata</i>					
<i>Micrarionta indiaensis cathedralis</i>					
<i>Micrarionta intercis</i>					
<i>Micrarionta morongoana</i>					
<i>Micrarionta opuntia</i>					
<i>Micrarionta redimita</i>					
<i>Idaho Banded Mountain Snail</i>					
<i>Yoked Ended Banded Mountain Snail</i>					
<i>Vortex Banded Mountain Snail</i>					
<i>Coalville Mountain Snail</i>					
<i>Carinated Striate Banded Mntain Snail</i>					
<i>Vortex Banded Mountain Snail</i>					
<i>Walton's Banded Mountain Snail</i>					
<i>Allyn Smith's Banded Snail</i>					
<i>Cape Mendocino Snail</i>					
<i>Dented Peninsula Snail</i>					
<i>Nicklin's Peninsula Snail</i>					
<i>Banded Dune Snail</i>					
<i>Concentrated Snail</i>					
<i>Fraternal Snail</i>					
<i>Gabb's Snail</i>					
<i>Cathedral Snail</i>					
<i>Horseshoe Snail</i>					
<i>Colorado Desert Snail</i>					
<i>Prickly Pear Snail</i>					
<i>Wreathed Island Snail</i>					

<i>Micrarionta rowelli bakerensis</i>					I	U.S.A.
<i>Micrarionta rowelli mccoiana</i>		California McCoy Snail			I	U.S.A.
<i>Monadenia circumcarinata</i>					I	U.S.A.
<i>Monadenia fidelis minor</i>					I	U.S.A.
<i>Monadenia fidelis pronotis</i>		Rocky Coast Snail			I	U.S.A.
<i>Monadenia hillebrandi yosemitensis</i>		Indian Yosemite Snail			I	U.S.A.
<i>Monadenia hirsutis</i>					I	U.S.A.
<i>Monadenia monbritoni</i>					I	U.S.A.
<i>Monadenia mormonum buttoni</i>					I	U.S.A.
<i>Monadenia mormonum hirsuta</i>					I	U.S.A.
<i>Monadenia selosci</i>					I	U.S.A.
<i>Monadenia setosa</i>					E	U.S.A.
<i>Monadenia troglodytes</i>					I	U.S.A.
<i>Sonorella eremita</i>		Trinity Bristle Snail			I	U.S.A.
<i>Sonorella metcalfi</i>					I	U.S.A.
Family Hygromiidae						
<i>Canariella fortunata</i>					V	Tenerife (Canary Is, Spain)
<i>Canariella leprosa</i>					V	Tenerife (Canary Is, Spain)
<i>Canariella pthonera</i>					V	Tenerife (Canary Is, Spain)
Family Helicidae						
<i>Caseolus calculus</i>		Madeiran Land Snail			V	Madeira (Portugal)
<i>Caseolus commixta</i>		Madeiran Land Snail			V	Madeira (Portugal)
<i>Caseolus sphaerula</i>		Madeiran Land Snail			V	Madeira (Portugal)
<i>Cyrrhotheba corsica</i>					I	France
<i>Discula leacockiana</i>		Madeiran Land Snail			V	Madeira (Portugal)
<i>Discula tabellata</i>		Madeiran Land Snail			V	Madeira (Portugal)
<i>Discula testudinalis</i>		Madeiran Land Snail			V	Madeira (Portugal)
<i>Discula turricula</i>		Cima Discula			V	Madeira (Portugal)
<i>Geomitra moniziana</i>		Madeiran Land Snail			V	Madeira (Portugal)
<i>Helix pomatia</i>		Roman Snail			R	Europe

Class OLIGOCHAETA

Order HAPLOTAXIDA

Family Komarekionidae

Komarekiona eatoni

Earthworm

V

U.S.A.

Family Lutodrilidae

Lutodrilus multivesiculatus

R U.S.A.

Family Microchaetidae

Microchaetus (33 species)

Tritogenia (5 species)

South African Giant Earthworm

South African Giant Earthworm

V South Africa

V South Africa

Family Megascolecidae

Megascolides americanus

Megascolides australis

Megascolides macelfreshi

Washington Giant Earthworm

Giant Gippsland Earthworm

Oregon Giant Earthworm

E U.S.A.

V Australia

E
U.S.A.

Family Acanthodrilidae

Chilota (13 species)

Diplotrema (16 species)

Microscolex (9 species)

Udeina (59 species)

Southern African Acanthodriline Earthworms

Southern African Acanthodriline Earthworms

Southern African Acanthodriline Earthworms

Southern African Acanthodrilina Earthworms

V South Africa

V
South AfricaV
Lesotho, South AfricaV
Lesotho, South Africa

Phylum ARTHROPODA
Subphylum CHELICERATA

Class MEROSTOMATA

Order XIPHOSURA

Family Limulidae

Carcinoscorpius rotundicauda

Limulus polyphemus

Tachyplesus gigas

Tachyplesus tridentatus

Horseshoe Crabs

K Coastal waters - Japan to Indonesia
K Atlantic coast of North America
K Coastal waters - Japan to Indonesia
K Coastal waters - Japan to Indonesia

Class ARACHNIDA

Order ARANEAE

Family Theraphosidae

Brachypelma smithi

Red-kneed Tarantula

K Mexico

Family Dipluridae

Macrothele calpeiana

Macrothele cretica

V Spain, Morocco
I Crete (Greece)

Family Ctenizidae

Cyclocosmia torreyi

Torrey Trap-door Spider

I U.S.A.

Family Telemidae

Telema (whole genus)

Santa Cruz Teleman Spider

I U.S.A.

Family Eresidae

Eresus niger

Ladybird Spider

I Europe

Family Linyphiidae

Troglohyphantes gracilis

Kocevje Subterranean Spider

R Yugoslavia

Troglolophyphantes similis
Troglolophyphantes spinipes

Family Araneidae
Meta dolloff

Family Gnaphosidae
Cesonia irvingi

Family Lycosidae
Adelocosa anops
Lycosa ericeticola
Pardosa diuturna
Sosippus placidus

Family Asauridae
Dolomedes plantarius

Order PSEUDOSCORPIONIDA
 Family Neobisiidae
Microcreagris imperialis

Order OPILIONES
 Family Phalangodidae
Banksula melones

Kocevje Subterranean Spider
 Kocevje Subterranean Spider

Dolloff Cave Spider

Key Gnaphosid Spider

No-eyed Big-eyed Wolf Spider
 Rosemary Wolf Spider
 Glacier Bay Wolf Spider
 Lake Placid Funnel Wolf Spider

Great Raft Spider

Empire Cave Pseudoscorpion

Melones Cave Harvestman

R Yugoslavia
 R Yugoslavia

I U.S.A.

I Bahamas, U.S.A.

E U.S.A.
 I U.S.A.
 R U.S.A.
 I U.S.A.

V Northern Europe

I U.S.A.

V U.S.A.

Subphylum CRUSTACEA

Class CRUSTACEA

Order ANASPIDACEA

Family Anaspidae

*Allanaspides helonomus**Allanaspides hickmani**Anaspides spinulae**Anaspides tasmaniae**Paranaspides lacustris*

Tasmanian Anaspid Crustacean
 Tasmanian Anaspid Crustacean
 Tasmanian Anaspid Crustacean
 Tasmanian Anaspid Crustacean
 Tasmanian Anaspid Crustacean

V Tasmania
 V Tasmania
 V Tasmania
 V Tasmania
 V Tasmania

Family Koonungidae

*Koonunga cursor**Micraspides calmani*

R Tasmania, Australia
 R Tasmania

Family Psammaspidae

Eucrenonaspides oinotheke

V Tasmania

Order THORACICA

Family Balanidae

*Armatobalanus nefrens**Balanus aquila*

I U.S.A.
 I U.S.A.

Order ANOSTRACA

Family Branchinectidae

*Branchinecta gigas**Branchinecta paludosa*

I Western North America
 R Czechoslovakia

Order ISOPODA

Family Sphaeromatidae

Thermosphaeroma dugesi
Thermosphaeroma milleri
Thermosphaeroma smithi
Thermosphaeroma subequalum
Thermosphaeroma thermophilum

Socorro Isopod

K Mexico
 K Mexico
 K Mexico
 K Mexico
 E U.S.A.

Family Trichoniscidae

Metatrachoniscoides celticus

V U.K.

Family Cirolanidae

Madison Cave Isopod

V U.S.A.
 I Netherlands
 K Mexico
 K Mexico
 K Mexico
 K Mexico

Family Armadillidae

Echinodillo cavaticus

I Tasmania

Family Asellidae

Caecidotea barri
Caecidotea macropoda
Caecidotea nickajackensis
Lireus culveri
Lireus usdagalun

I U.S.A.
 I U.S.A.
 I U.S.A.
 I U.S.A.
 I U.S.A.

Family Stenasellidae

Mexistenasellus coahuila

I Mexico

Crustaceans

Mexistenasellus parzefalli
Mexistenasellus wilkensi

Parzefall's Stenasellid
 Wilken's Stenasellid

R Mexico
 R Mexico

Family Styloniscidae
Styloniscus sp.

I Tasmania

Family Scyphacidae
Haloniscus searlei

I Tasmania

Family Phreatoicidae
Mesacanthotelson setosis
Onchotelson brevicaudatus
Onchotelson spatulatus
Uramphisopus pearsoni

I Tasmania
 I Tasmania
 I Tasmania
 I Tasmania

Order AMPHIPODA

Family Crangonyctidae

Allocrangonyx hubrichti
Allocrangonyx pellucidus
Crangonyx dearolfi
Crangonyx grandimanus
Crangonyx hobbsi
Stygobromus araeus
Stygobromus arizonensis
Stygobromus balconius
Stygobromus barri
Stygobromus bifurcatus
Stygobromus bowmani
Stygobromus clantoni
Stygobromus conradi
Stygobromus cooperi
Stygobromus dejectus

Central Missouri Cave Amphipod
 Oklahoma Cave Amphipod
 Pennsylvania Cave Amphipod
 Florida Cave Amphipod
 Hobb's Cave Amphipod
 Tidewater Interstitial Amphipod
 Arizona Cave Amphipod
 Balcones Cave Amphipod
 Barr's Cave Amphipod
 Bifurcated Cave Amphipod
 Bowman's Cave Amphipod
 Clanton's Cave Amphipod
 Burnsville Cove Cave Amphipod
 Cooper's Cave Amphipod
 Cascade Cave Amphipod

I U.S.A.
 I U.S.A.
 I U.S.A.
 I U.S.A.
 I U.S.A.
 I U.S.A.
 I U.S.A.
 I U.S.A.
 I U.S.A.
 I U.S.A.
 I U.S.A.
 I U.S.A.
 I U.S.A.
 I U.S.A.
 I U.S.A.

<i>Stygobromus elatus</i>	Elevated Spring Amphipod	I	U.S.A.
<i>Stygobromus emarginatus</i>	Greenbrier Cave Amphipod	I	U.S.A.
<i>Stygobromus ephemerus</i>	Ephemeral Cave Amphipod	I	U.S.A.
<i>Stygobromus flagellatus</i>	Ezell's Cave Amphipod	I	U.S.A.
<i>Stygobromus gradyi</i>	Grady's Cave Amphipod	I	U.S.A.
<i>Stygobromus hadenoecus</i>	Devil's Sinkhole Amphipod	I	U.S.A.
<i>Stygobromus harai</i>	Hara's Cave Amphipod	I	U.S.A.
<i>Stygobromus hayi</i>	Hay's Spring Amphipod	I	U.S.A.
<i>Stygobromus heteropodus</i>	Pickle Springs Amphipod	I	U.S.A.
<i>Stygobromus hubbsi</i>	Malheur Cave Amphipod	I	U.S.A.
<i>Stygobromus identatus</i>	Tidewater Stygonectid Amphipod	I	U.S.A.
<i>Stygobromus longipes</i>	Long-legged Cave Amphipod	I	U.S.A.
<i>Stygobromus lucifugus</i>	Rubious Cave Amphipod	Ex	[U.S.A.]
<i>Stygobromus mackenziei</i>	Mackenzie's Cave Amphipod	I	U.S.A.
<i>Stygobromus montanus</i>	Mountain Cave Amphipod	I	U.S.A.
<i>Stygobromus morrisoni</i>	Morrison's Cave Amphipod	I	U.S.A.
<i>Stygobromus mundas</i>	Bath County Cave Amphipod	I	U.S.A.
<i>Stygobromus nortoni</i>	Norton's Cave Amphipod	I	U.S.A.
<i>Stygobromus onondagaensis</i>	Onondaga Cave Amphipod	I	U.S.A.
<i>Stygobromus ozarkensis</i>	Ozark Cave Amphipod	I	U.S.A.
<i>Stygobromus parvus</i>	Minute Cave Amphipod	I	U.S.A.
<i>Stygobromus pecki</i>	Peck's Cave Amphipod	I	U.S.A.
<i>Stygobromus pizzinii</i>	Pizzini's Amphipod	I	U.S.A.
<i>Stygobromus putealis</i>	Wisconsin Well Amphipod	I	U.S.A.
<i>Stygobromus reddelli</i>	Reddell's Cave Amphipod	I	U.S.A.
<i>Stygobromus smithii</i>	Alabama Well Amphipod	I	U.S.A.
<i>Stygobromus spinatus</i>	Spring Cave Amphipod	I	U.S.A.
<i>Stygobromus stellmacki</i>	Stellmack's Cave Amphipod	I	U.S.A.
<i>Stygobromus subtilis</i>	Subtle Cave Amphipod	I	U.S.A.
<i>Stygobromus wengerorum</i>	Wengeror's Cave Amphipod	I	U.S.A.

Family Gammaridae

- Gammarus acheronytes*
- Gammarus bousfieldi*
- Gammarus desperatus*
- Gammarus hyalieioides*
- Gammarus pecos*

- Illinois Cave Amphipod
- Bousfield's Amphipod
- Noel's Amphipod
- Diminutive Amphipod
- Pecos Amphipod

- I U.S.A.
- I U.S.A.
- I U.S.A.
- I U.S.A.
- I U.S.A.

Family Orchestiidae

- Spelasorchestia koloana*

- Kaui Cave Amphipod

- I Hawaii (U.S.A.)

Order DECAPODA

Family Astacidae

- Astacus astacus*
- Austropotamobius pallipes*
- Austropotamobius torrentium*
- Pacifastacus fortis*
- Pacifastacus nigrescens*

- Noble Crayfish
- White-clawed Crayfish
- Shasta Crayfish

- V Europe
- R Europe
- K Europe
- V U.S.A.
- Ex? U.S.A.

Family Atyidae

- Palaemonias alabamæ*
- Syncaris pacifica*
- Typhlatya monae*

- Alabama Cave Shrimp
- California Freshwater Shrimp
- Mona Cave Shrimp

- I U.S.A.
- E U.S.A.
- I Puerto Rico

Family Artemidae

- Artemia monica*

- Mono Lake Brine Shrimp

- I U.S.A.

Family Parastacidae

- Astacoides madagascariensis*
- Astacopsis franklinii*
- Astacopsis gouldi*
- Cherax crassimanus*

- Madagascar Freshwater Crayfish
- Giant Freshwater Crayfish

- I Madagascar
- I Tasmania
- V Tasmania
- R West Australia

Engaewa subcoerulea

Family Coenobitidae

Birgus latro

Family Cambaridae

Cambarus baichi

Cambarus bouchardi

Cambarus catagius

Cambarus chasmodactylus

Cambarus extraneus

Cambarus obeyensis

Cambarus zophonastes

Orconectes jeffersoni

Orconectes shoupi

Procambarus acherontis

Procambarus connus

Procambarus lepiclodactylus

Family Palaemonidae

Palaemonetes antrorum

Palaemonetes cummingsi

Family Palinuridae

Anulirus argus

Jasus edwardsii

Panulirus guttatus

Panulirus penicillatus

Family Pinnotheridae

Parapinnixa affinis

R West Australia

R Indo-Pacific

I U.S.A.

I U.S.A.

I U.S.A.

I U.S.A.

I U.S.A.

I U.S.A.

E U.S.A.

I U.S.A.

E U.S.A.

I U.S.A.

I U.S.A.

I U.S.A.

I U.S.A.

V U.S.A.

CT Caribbean

CT New Zealand

CT Caribbean

CT Indo-Pacific

K U.S.A.

Coconut Crab

Big South Fork Crayfish

Greensboro Burrowing Crayfish

New River Riffle Crayfish

Chickamanga Crayfish

Obey Crayfish

Louisville Crayfish

Nashville Crayfish

Orlando Cave Crayfish

Pee Dee Idic Crayfish

Texas Cave Shrimp

Florida Cave Shrimp

Spiny Lobster

Rock Lobster

Spotted Spiny Lobster

Spiny Lobster

California Bay Pea Crab

Family Nephropidae

Homarus americanus

Homarus gammarus

Nephrops norvegicus

American Lobster

European Lobster

Norway Lobster

CT North Atlantic

CT North-east Atlantic

CT North-east Atlantic

INSECTS

Subphylum UNIRAMIA

Class INSECTA

Order THYSANURA

Family Machilidae

Machiloides heteropus

Machiloides perkinsi

Hawaiian Long-palp Bristletail
Perkin's Club-palp Bristletail

I Hawaii (U.S.A.)
I Hawaii (U.S.A.)

Order COLLEMBOLA

Family Neanuridae

Acanthanura dendyi

Acanthanura n.sp. "mesibovi"

Megalanura tasmaniae

Womersleymeria bicornis

Womersleymeria n.sp. "iresoni"

Womersleymeria n.sp. "zachariae"

I Tasmania
I Tasmania
I Tasmania
I Tasmania
I Tasmania
I Tasmania

Order EPHEMEROPTERA

Family Siphonuridae

Acanthometropus pecatonica

Aneletus falsus

Isonychia diversa

Tasmanophlebia lacus-coerulei

Pecatonica River Mayfly
False Mayfly
Diverse Mayfly
Large Blue Lake Mayfly

Ex [U.S.A.]
I U.S.A.
I U.S.A.
R Australia

Family Baetidae

Heterocleon berneri

Berner's Two-winged Mayfly

I U.S.A.

Family Oligoneuridae

Homoeoneuria cahabensis

Homoeoneuria dolani

Cahaba Sand-filtering Mayfly
Blackwater Sand-filtering Mayfly

I U.S.A.
I U.S.A.

Family Heptageniidae <i>Pseudirion meridionalis</i>	Meridion Blackwater Mayfly	I	U.S.A.
	American Sand-burrowing Mayfly	I	U.S.A.
	Colorado Burrowing Mayfly West Virginia Burrowing Mayfly Robust Burrowing Mayfly	I I Ex	U.S.A. U.S.A. [U.S.A.]
Family Ephemerellidae <i>Ephemera compar</i> <i>Ephemera triplex</i> <i>Pantagenia robusta</i>	Frison's Mayfly Spiculose Mayfly Argo Mayfly	I I I	U.S.A. U.S.A. U.S.A.
	Yellow Mayfly	I	U.S.A.
Family Calopterygidae <i>Calopteryx angustipennis</i> <i>Calopteryx syriaca</i> <i>Hetaerina rudis</i>	Belize, El Salvador, Guatemala, Honduras, Mexico	I	
		I	U.S.A.
	Jordan, Syria, Turkey Guatemala, Mexico	E I	
Family Chlorolestidae <i>Chlorolestes draconicus</i>		R	South Africa

Ecchlorolestes nylephtha
Ecchlorolestes perengueyi
Phylolestes ethelae

Family Megapodagrionidae
Amanipodagrion gilliesi
Heteragrion eboratum
Heteragrion tricellulare
Hypolestes clara
Hypolestes trinitatis
Paraphlebia zoe
Thaumatoneura inopinata

Family Hemiphlebiidae
Hemiphlebia mirabilis

Family Coenagrionidae
Aciagrion rarum
Argiagrion leoninum
Argioenemis solitaria
Argioenemis umbargae
Ceriagrion mourae
Coenagrion hylas freyi
Coenagrion mercuriale
Enallagma camerunense
Enallagma polychromaticum
Enallagma recurvatum
Ischnura gemina
Megalagrion adytum
Megalagrion amaurodytum fallax
Megalagrion amaurodytum peles

E	South Africa
E	South Africa
V	Dominican Republic
E	Tanzania
I	Guatemala, Honduras
I	Guatemala, Mexico
I	Jamaica
I	Cuba
I	Mexico
I	Costa Rica, Panama
E	Australia
I	Angola
I	Sierra Leone
E	Mauritius
I	Cameroon
I	Mozambique
E	Austria, F.R.G., Switzerland
V	Europe
I	Tropical Africa
I	South Africa
V	U.S.A.
E	U.S.A.
I	Hawaii (U.S.A.)
I	Hawaii (U.S.A.)
I	Hawaii (U.S.A.)

Frey's Damselfly
 Southern Damselfly

Barrens Bluet Damselfly
 San Francisco Forktail Damselfly
 Adytum Damselfly
 Fallax Damselfly
 Pele Damselfly

<i>Megalagrion amaurodytium waianaeum</i>	Waianae Damselfly	I	Hawaii (U.S.A.)
<i>Megalagrion jugorum</i>	Jugorum Melagrion Damselfly	Ex?	Hawaii (U.S.A.)
<i>Megalagrion leptodemas</i>	Leptodemas Damselfly	I	Hawaii (U.S.A.)
<i>Megalagrion nigrohamatum</i>	Nigrohamatum Damselfly	I	Hawaii (U.S.A.)
<i>Megalagrion nigrolineatum</i>	Blackline Damselfly	I	Hawaii (U.S.A.)
<i>Megalagrion oahense</i>	Oahu Damselfly	I	Hawaii (U.S.A.)
<i>Megalagrion oceanicum</i>	Oceanic Damselfly	I	Hawaii (U.S.A.)
<i>Megalagrion pacificum</i>	Pacific Damselfly	E	Hawaii (U.S.A.)
<i>Megalagrion xanthomelas</i>	Orange-black Damselfly	I	Hawaii (U.S.A.)
<i>Mortonagrion hirosei</i>		E	Japan
<i>Nehalennia pallidula</i>		V	U.S.A.
<i>Pseudagrion quadrioculatum</i>		K	Zaire
<i>Seychellibasis alluaudi alluaudi</i>		E	Seychelles
Family Platycnemididae			
<i>Metacnemis angusta</i>		I	South Africa
<i>Platycnemis mauriciana</i>		E	Mauritius
Family Platystictidae			
<i>Palaemnema chiriquita</i>		I	Costa Rica
<i>Palaemnema gigantea</i>		I	Costa Rica
<i>Palaemnema melanota</i>		I	Costa Rica
<i>Palaemnema paulicoba</i>		I	Mexico
<i>Palaemnema reventazoni</i>		I	Costa Rica
Family Protoneuridae			
<i>Nososticta pilbara</i>		R	Australia
Family Pseudostigmatidae			
<i>Mecistogaster asticta</i>		V	Brazil
<i>Mecistogaster pronoti</i>		V	Brazil

Family Epiophlebiidae
Epiophlebia laidlawi

Relict Himalayan Dragonfly

India, Nepal

V

Family Aeshnidae

Acanthaesha victoria
Aesha meruensis
Aesha persephone
Aesha viridis
Aesha williamsoniana
Cephalaesha acutifrons

Australia
Tanzania
U.S.A.
Europe to Siberia
Mexico
India

K
R
R
I
I
V

Family Gomphidae

Antipodogomphus hodgkini
Argomphus maxwelli
Burmagomphus sivalikensis
Cornigomphus guineensis
Diaphlebia pallidistylus
Epigomphus camelus
Epigomphus clavatus
Epigomphus crepidus
Epigomphus paulsoni
Epigomphus subsimilis
Epigomphus verticornis
Erpetogomphus lampropeltis
Gomphurus consanguis
Gomphurus lynnae
Gomphurus modestus
Gomphurus ozarkensis
Gomphus diminutus
Gomphus flavipes
Gomphus graslini
Gomphus hodgei

Australia
U.S.A.
India
Tropical Africa
Costa Rica
Costa Rica
Guatemala
Mexico
Mexico
Costa Rica
Costa Rica
U.S.A.
U.S.A.
U.S.A.
U.S.A.
U.S.A.
U.S.A.
North Palaeartic
France, Spain
U.S.A.

R
R
V
I
I
I
I
I
I
I
I
I
K
R
R
R
R
R
V
R
R

Cherokee Clubtail Dragonfly

Gulf Clubtail

Diminutive Clubtail

Hodges' Clubtail

<i>Gomphus sandrius</i>	Tennessee Clubtail Dragonfly	I	U.S.A.
<i>Gomphus septima</i>	Septima's Clubtail Dragonfly	R	U.S.A.
<i>Hylogomphus carolinus</i>	Sandhills Clubtail Dragonfly	K	U.S.A.
<i>Hylogomphus geminatus</i>	Twin-Striped Clubtail	R	U.S.A.
<i>Hylogomphus parvidens</i>		R	U.S.A.
<i>Ictinogomphus dobsoni</i>		R	Australia
<i>Isomma hieroglyphicum</i>		I	Madagascar
<i>Onychogomphus assimilis</i>		R	Turkey, U.S.S.R.
<i>Onychogomphus macrodon</i>		E	Israel, Jordan, Turkey
<i>Ophiogomphus acuminatus</i>		R	U.S.A.
<i>Ophiogomphus anomalus</i>		V	Eastern North America
<i>Ophiogomphus cecilia</i>	Grune Keiljungter	E	Europe to Siberia
<i>Ophiogomphus edmundi</i>	Edmund's Snaketail Dragonfly	Ex?	U.S.A.
<i>Ophiogomphus howei</i>	Howe's Midget Snaketail Dragonfly	V	U.S.A.
<i>Ophiogomphus incurvatus</i>	Alleghany Snaketail Dragonfly	R	U.S.A.
<i>Ophiogomphus incurvatus alleghaniensis</i>		I	U.S.A.
<i>Paragomphus sinaiticus</i>		R	Egypt, Niger
<i>Progomphus belli</i>	Belle's Sand Clubtail	R	U.S.A.
<i>Progomphus risi</i>		I	Mexico
<i>Stylurus potulentus</i>	Yellow-sided Clubtail	V	U.S.A.
<i>Stylurus townesi</i>	Bronze Clubtail Dragonfly	R	U.S.A.
Family Neopetaliidae			
<i>Archipetalia auriculata</i>		I	Tasmania
Family Petaluridae			
<i>Petalura pulcherrima</i>		K	Australia
Family Cordulegasteridae			
<i>Cordulegaster myzomata</i>		E	Turkey, U.S.S.R.

<i>Zoraena sayi</i>	Florida Spiketail Dragonfly	E	U.S.A.
Family Corduliidae			
<i>Antipodochlora braueri</i>		I	New Zealand
<i>Austrocordulia territoria</i>		R	Australia
<i>Libellulosoma minuta</i>		I	Madagascar
<i>Macromia margarita</i>		R	U.S.A.
<i>Macromia splendens</i>	Shining Macromia Dragonfly	R	France, Portugal, Spain
<i>Macromia wabashensis</i>	Wabash Belted Skimmer Dragonfly	K	U.S.A.
<i>Neurocordulia clara</i>	Apalichicola Twilite Skimmer Dragonfly	I	U.S.A.
<i>Oxygastra curtisii</i>	Orange-spotted Emerald	V	North Africa, West Europe
<i>Somatochlora brevicincta</i>		R	Canada
<i>Somatochlora calverti</i>	Calverts' Emerald	R	U.S.A.
<i>Somatochlora hineana</i>	Ohio Emerald Dragonfly	E	U.S.A.
<i>Somatochlora incurvata</i>		R	Eastern North America
<i>Somatochlora margarita</i>	Big Thicket Emerald Dragonfly	R	U.S.A.
<i>Somatochlora ozarkensis</i>		R	U.S.A.
<i>Synthemiopsis gomphomacromioides</i>		I	Tasmania
<i>Williamsonia lintneri</i>	Banded Bog Skimmer Dragonfly	V	U.S.A.
Family Libellulidae			
<i>Aethiothemis watuliki</i>		K	Congo
<i>Allorhizucha campioni</i>		K	Sierra Leone
<i>Anectothemis apicalis</i>		K	Tropical Africa
<i>Brachythemis fuscopalliata</i>		E	Israel, Turkey, Iraq
<i>Brachythemis liberiensis</i>		I	Guinea-Bissau
<i>Congothemis longistyla</i>		K	Zaire
<i>Eleuthemis beutikoferi quadrigutta</i>		K	Mozambique, Zimbabwe
<i>Leucorrhinia albifrons</i>		I	Europe, West Siberia
<i>Leucorrhinia caudalis</i>		I	Europe, West Siberia
<i>Libellula angelina</i>		E	Japan
<i>Libellula jesseana</i>	Purple Chaser	K	U.S.A.

Stenopelmatus navajo

Family Rhaphidophoridae

Dahinibaenetes arizonensis

Macrobaenetes kelsoensis

Macrobaenetes vulgum

Pristoceuthophilus sp.

Tasmanoplectron isolatum

Utaenetes tanneri

Navajo Jerusalem Cricket

I U.S.A.

Arizona Giant Sand Treader Cricket

I U.S.A.

Kelso Giant Sand Treader Cricket

I U.S.A.

Coachella Giant Sand Treader Cricket

I U.S.A.

Samwell Cave Cricket

I U.S.A.

Tasmania

Tanner's Black Camel Cricket

I U.S.A.

Family Tettigoniidae

Baetica ustulata

Banza nihoae

Belocephalus micanopy

Belocephalus sleighti

Conocephaloides remotus

Idiostatus middlekaufi

Neduba extincta

Neduba longipennis

Saga pedo

Nihoa Banza Conehead Katydid

V Spain

Big Pine Key Conehead Katydid

I Hawaii (U.S.A.)

Keys Short-winged Conehead Katydid

I U.S.A.

Remote Conehead Katydid

I U.S.A.

Middlekauf's Shieldback Katydid

I Hawaii (U.S.A.)

Antioch Dunes Shieldback Katydid

I U.S.A.

Santa Monica Shieldback Katydid

Ex [U.S.A.]

Predatory Bush Cricket

I U.S.A.

Southern Europe

Family Gryllotalpidae

Gryllotalpa major

Prairie Mole Cricket

I U.S.A.

Family Gryllidae

Caconemobius howarthi

Caconemobius schauinslandi

Caconemobius varius

Cycloptilum irregularis

Leptogryllus deceptor

Oecanthus laricis

Thaumatogryllus cavicola

Howarth's Cave Cricket

I Hawaii (U.S.A.)

Schauinsland's Bush Cricket

I Hawaii (U.S.A.)

Kaumana Cave Cricket

I Hawaii (U.S.A.)

Keys Scaly Cricket

I U.S.A.

Oahu Deceptor Bush Cricket

I Hawaii (U.S.A.)

Laricis Tree Cricket

I U.S.A.

Volcanoes Cave Cricket

I Hawaii (U.S.A.)

<i>Thaumatogryllus variegatus</i>	Kauai Thin-footed Bush Cricket	I	Hawaii (U.S.A.)
Family Eumastacidae			
<i>Eumorsea pinaleno</i>	Pinaleno Monkey Grasshopper	I	U.S.A.
<i>Psychomastix deserticola</i>	Desert Monkey Grasshopper	I	U.S.A.
Family Acrididae			
<i>Acrolophitus pulchellus</i>	Idaho Point-headed Grasshopper	I	U.S.A.
<i>Appalachia arcena</i>	Michigan Bog Grasshopper	I	U.S.A.
<i>Calliptamus bairdus</i>		I	Tasmania
<i>Chloaeltis aspasma</i>	Siskiyou Chloaeltis Grasshopper	I	U.S.A.
<i>Spharagemon superbum</i>		I	U.S.A.
Family Tetrigidae			
<i>Tetrix sierrana</i>	Sierra Pygmy Grasshopper	I	U.S.A.
<i>Tettigidea empedonepia</i>	Torreya Pygmy Grasshopper	I	U.S.A.
Order PHASMATOPTERA			
Family Phasmatidae			
<i>Dryococelus australis</i>	Lord Howe Island Stick-insect	Ex	[Lord Howe I. (Australia)]
Order DERMAPTERA			
Family Labiduridae			
<i>Labidura herculeana</i>	St Helena Earwig	E	St Helena
Order PLECOPTERA			
Family Nemouridae			
<i>Lednia turnana</i>	Meltwater Stonefly	I	U.S.A.
<i>Nemours wahkeena</i>	Wahkeena Falls Flightless Stonefly	I	U.S.A.
Family Notonemouridae			
<i>Kimminsoperla biloba</i>		I	Tasmania

<i>Kimminsoperla williamsi</i>	I	Tasmania
Family Capniidae		
<i>Capnia lacustra</i>	I	U.S.A.
Family Leuctridae		
<i>Leuctra szczytkoi</i>	I	U.S.A.
Family Taeniopterygidae		
<i>Taeniopteryx starki</i>	I	U.S.A.
Family Perlidae		
<i>Beloneuria georgiana</i>	I	U.S.A.
<i>Beloneuria jamesae</i>	I	U.S.A.
<i>Hansonoperla appalachia</i>	I	U.S.A.
Family Chloroperlidae		
<i>Alloperla roberti</i>	Ex	[U.S.A.]
Family Peltoperlidae		
<i>Soliperla fenderi</i>	I	U.S.A.
Family Eustheniidae		
<i>Eusthenia nothofagi</i>	E	Australia
<i>Eusthenia reticulata</i>	I	Tasmania
Family Gripopterygidae		
<i>Leptoperla cacuminis</i>	R	Australia
<i>Riekoperla darlingtoni</i>	R	Australia

Order ZORAPTERA
Family Zorotypidae
Zorotypus swezeyi

Swezey's Zoroapteran I Hawaii (U.S.A.)

Order ANOPLURA
Family Haematopinidae
Haematopinus oliveri

Pygmy Hog Sucking Louse E India

Order HEMIPTERA
Family Belastomatidae
Belostoma saratogae

Saratoga Springs Bug I U.S.A.

Family Naucoridae
Ambrysus amargosus
Pelocoris shoshone

Ash Meadows Bug E U.S.A.
 Amargosa Bug I U.S.A.

Family Mesoveliidae
Cavaticovelia aaa

Aaa Water Treader Bug I U.S.A.

Family Macroveliidae
Oravelia pege

Dry Creek Cliff Strider Bug I U.S.A.

Family Miridae
Cyrtopeltis phyllostegiae
Kalania hawaiiensis

Phyllostegian Leaf Bug I Hawaii (U.S.A.)
 Lanai Leaf Bug I Hawaii (U.S.A.)

Family Reduviidae
Empicoris pulchrus
Nesidiolestes ana
Nesidiolestes insularis
Nesidiolestes roberti

Pulchrus Thread Bug I Hawaii (U.S.A.)
 Ana Wingless Thread Bug I Hawaii (U.S.A.)
 Mount Tantalus Wingless Thread Bug I Hawaii (U.S.A.)
 Robert's Wingless Thread Bug I Hawaii (U.S.A.)

Nesidiolestes selium
Siacella smithi

Family Lygaeidae

Metranga obscura
Neseis alternatus
Neseis haleakalae
Nesocryptus villosa
Nysius frigitensis
Nysius neckerensis
Nysius nihoa
Nysius sulfusus
Oceanides bryani
Oceanides perkeni
Oceanides rugosiceps

Family Rhopalidae

Ithamar annectans
Ithamar hawaiiense

Order HOMOPTERA

Family Cixiidae

Oliarus consimilis
Oliarus discrepans
Oliarus lanaiensis
Oliarus lihue
Oliarus myoporicola

Family Delphacidae

Nesorestias filicicola
Nesosydne acuta
Nesosydne bridwelli

I	Hawaii (U.S.A.)
I	Hawaii (U.S.A.)

I Hawaii (U.S.A.)
I Hawaii (U.S.A.)

Mauna Loa Seed Bug
Kauai Band-legged Seed Bug
Mount Haleakala Seed Bug
Villosan Flightless Seed Bug
French Frigate Shoal Seed Bug
Necker Goosefoot Seed Bug
Nihoa Seed Bug
Necker Bundgrass Seed Bug
Bryan's Seed Bug
Perkin's Oceanides Seed Bug
Rough-headed Seed Bug

[illegible]

Annectans Bug
Hawaiian Bug

I Hawaii (U.S.A.)
I Hawaii (U.S.A.)

Kauai Parti-coloured Planthopper
Wild Cotton Planthopper
Lanai Planthopper
Lihue Planthopper
Barber's Point Planthopper

I Hawaii (U.S.A.)
I Hawaii (U.S.A.)
I Hawaii (U.S.A.)
I Hawaii (U.S.A.)
I Hawaii (U.S.A.)

Mt Tantalus Shortwing Fern Planthopper
Lao Valley Planthopper
Bridewell's Planthopper

I	Hawaii (U.S.A.)
I	Hawaii (U.S.A.)
I	Hawaii (U.S.A.)

Family Hemerobiidae

<i>Nesothauma halakalae</i>	Haleakala Spongillafly	I	Hawaii (U.S.A.)
<i>Pseudopsectra cookeorum</i>	Cooke's Spongillafly	I	Hawaii (U.S.A.)
<i>Pseudopsectra lobipennis</i>	Lobe-wing Spongillafly	I	Hawaii (U.S.A.)
<i>Pseudopsectra swezeyi</i>	Swezey's Spongillafly	I	Hawaii (U.S.A.)
<i>Pseudopsectra usingeri</i>	Usinger's Spongillafly	I	Hawaii (U.S.A.)

Family Ascalaphidae

<i>Libelloides libelluloides</i>		K	Europe
<i>Libelloides macaronius</i>		K	Europe

Family Myrmeleontidae

<i>Acanthaclisis occitanica</i>		K	Europe
<i>Dendroleon pantherinus</i>		K	Europe
<i>Distoleon tetragrammicus</i>		K	Europe
<i>Eidoleon perjurus</i>		I	Hawaii (U.S.A.)
<i>Myrmeleon formicarius</i>	Molokai Antlion	K	Europe

Order COLEOPTERA

Family Carabidae

<i>Agonum belleri</i>	Beller's Ground Beetle	I	U.S.A.
<i>Aplothorax burchelli</i>		E	St Helena I
<i>Calosoma sycophanta</i>	Caterpillar Searcher	V	Europe, North Africa, U.S.S.R.
<i>Carabus intricatus</i>	Blue Ground Beetle	V	Europe
<i>Carabus olympiae</i>		E	France, Italy
<i>Elaphrus viridis</i>		V	U.S.A.
<i>Mormolyce phyllodes</i>	Delta Green Ground Beetle	V	Malaysia
<i>Sphaeroderus schauvi shenandoah</i>	Ghost Walker Beetle	I	U.S.A.
	Schaum's Blue Ridge Ground Beetle		

Family Cicindelidae

<i>Cicindela arenicola</i>	Idaho Dunes Tiger Beetle	I	U.S.A.
----------------------------	--------------------------	---	--------

<i>Cicindela cazieri</i>	Cazier's Tiger Beetle	I	U.S.A.
<i>Cicindela chlorocephala smythi</i>	Smyth's Tiger Beetle	I	U.S.A.
<i>Cicindela columbica</i>	Columbia River Tiger Beetle	E	U.S.A.
<i>Cicindela dorsalis dorsalis</i>	North-eastern Beach Tiger Beetle	I	U.S.A.
<i>Cicindela latesignata obliuiosa</i>	Oblivious Tiger Beetle	I	U.S.A.
<i>Cicindela limbata albissima</i>	Coral Pink Dunes Tiger Beetle	I	U.S.A.
<i>Cicindela marginata</i>	Tiger Beetle	I	U.S.A.
<i>Cicindela marginipennis</i>	Cobblestone Tiger Beetle	I	U.S.A.
<i>Cicindela nevadica olmosa</i>	Los Olmos Tiger Beetle	I	U.S.A.
<i>Cicindela nigrocoerulea subtropica</i>	Subtropical Blue-Black Tiger Beetle	I	U.S.A.
<i>Cicindela obsoleta neojuvnalis</i>	Neojuvvenile Tiger Beetle	I	U.S.A.
<i>Cicindela puritana</i>	Puritan Tiger Beetle	I	U.S.A.
<i>Cicindela tranquebarica viridissima</i>	Greenest Tiger Beetle	I	U.S.A.
Family Haliphidae			
<i>Brychius hungerfordi</i>	Hungerford's Crawling Water Beetle	I	U.S.A.
<i>Haliphus nitens</i>	Disjunct Crawling Water Beetle	I	U.S.A.
Family Dytiscidae			
<i>Agabus rumppi</i>	Death Valley Agabus Diving Beetle	I	U.S.A.
<i>Desmopachria conchramis</i>	Fig Seed Diving Beetle	I	U.S.A.
<i>Dytiscus latissimus</i>		E	North & Central Europe, Siberia
<i>Graphoderus bilineatus</i>		E	Central & West Europe
<i>Haideoporus texanus</i>	Texas Cave Beetle	I	U.S.A.
<i>Hydroporus elusivus</i>	Elusive Diving Beetle	I	U.S.A.
<i>Hydroporus folkerti</i>	Folkert's Diving Beetle	I	U.S.A.
<i>Hydroporus hirsutus</i>	Woolly Diving Beetle	I	U.S.A.
<i>Hydroporus leechi</i>	Leech's Skyline Diving Beetle	I	U.S.A.
<i>Hydroporus spangleri</i>	Spangler's Diving Beetle	I	U.S.A.
<i>Hydroporus sulphurius</i>	Sulphur Springs Diving beetle	I	U.S.A.
<i>Hydroporus utahensis</i>	Utah Diving Beetle	I	U.S.A.
<i>Hygrotus artus</i>	Mono Lake Diving Beetle	Ex?	U.S.A.

Hygrotus curvipes
Hygrotus diversipes
Hygrotus fontinalis
Hygrotus sylvanus

Family Gyrinidae

Spanglerogyrus albiventris

Family Hydraenidae

Gymnothebius maureenae
Hydraena maureenae
Limnebius aridus
Limnebius texanus
Limnebius utahensis
Ochthebius crassalus
Ochthebius putnamensis
Ochthebius reticulatus

Family Leiodidae

Glacivicola bathysciodes

Family Silphidae

Nicrophorus americanus

Family Hydrophilidae

Chaetarthria leechi
Chaetarthria utahensis
Cymbiodytia arizonica
Hydrochara rickseckeri
Paracymus seclusus

Curved-foot Diving Beetle
Narrow-foot Diving Beetle
Travertine Band-thigh Diving Beetle
Sylvan Diving Beetle

Red Hills Unique Whirligig Beetle

Maureen's Minute Moss Beetle
Maureen's Moss Beetle
Animas Minute Moss Beetle
Texas Minute Moss Beetle
Utah Minute Moss Beetle
Wing-shoulder Minute Moss Beetle
Indiana Minute Moss Beetle
Wilbur Springs Minute Moss Beetle

Blind Cave Beetle

American Burying Beetle

Leech's Water Scavenger Beetle
Utah Water Scavenger Beetle
Arizona Water Scavenger Beetle
Ricksecker's Water Scavenger Beetle
Seclusive Water Scavenger Beetle

I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.

I U.S.A.

I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.

I U.S.A.

E Eastern North America

I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.

Family Lucanidae

Apterocyclus honoluluensis
Dorcus auriculatus
Dorcus ithaginis

Kauai Flightless Stag Beetle

E Hawaii (U.S.A.)
V New Zealand
V New Zealand

Family Trogidae

Trox howelli

Caracara Commensal Scarab Beetle

V U.S.A.

Family Geotrupidae

Typhaeus hiostius

V Sardinia (Italy)

Family Scarabaeidae

Aegialia concinna
Aegialia crescenta
Aegialia haroyi
Aegialia magnifica
Anomala exigua
Anomala eximia
Anomala tibialis
Aphodius fordi
Aphodius troglodytes
Ataenius superficialis
Ataenius woodruffi
Copris gopheri
Cyclocephala miamiensis
Dynastes hercules
Dynastes hercules glaseri
Dynastes hercules hercules
Dynastes hercules reidi
Glaresis arenata
Gronocarus multispinosus

Ciervo Scarab Beetle
Crescent Dune Scarab Beetle
Hardy's Scarab Beetle

I U.S.A.
I U.S.A.
I U.S.A.

Large Scarab Beetle
Exiguous Scarab Beetle
Archbold Scarab Beetle

I U.S.A.
I U.S.A.
I U.S.A.

Tibial Scarab Beetle

I U.S.A.

Ford's Beetle

I U.S.A.

Tortoise Commensal Scarab Beetle

I U.S.A.

Big Pine Key Dung Beetle

V U.S.A.

Woodruff's Dung Beetle

E U.S.A.

Tortoise Commensal Scarab Beetle

I U.S.A.

Miami Roundhead Scarab Beetle

I U.S.A.

Hercules Beetle

V U.S.A.

Dynastes hercules

V Caribbean & N. South America

Dynastes hercules glaseri

K Trinidad & Tobago

Dynastes hercules hercules

V Dominica, Guadeloupe

Dynastes hercules reidi

V Martinique, St Lucia

Glaresis arenata

I U.S.A.

Gronocarus multispinosus

I U.S.A.

Lichnanthe albopilosa
Lichnanthe ursina
Mycotrupes pedester
Onthophagus furacatus
Onthophagus polyphemi
Oryctes chevrolati
Osmoderma eremita
Pelototrupes youngi
Polylamina pubescens
Polyphylla anteronivea
Polyphylla auitata
Polyphylla barbata
Polyphylla nubila
Prodontria lewisi
Pseudocotalpa giulianii
Serica frosti
Serica tantula
Trigonopelastes floridana

White Sand Bear Scarab Beetle
Pacific Sand Bear Scarab Beetle
Scrub Island Burrowing Scarab Beetle
Tortoise Commensal Scarab Beetle
Hermit Beetle
Ocala Burrowing Scarab Beetle
Woody Gulf Dune Scarab Beetle
Saline Valley Snow-front Scarab
Spotted Warner Valley Dunes Scarab
Barbate Scarab Beetle
Atascodera Scarab Beetle
Cromwell Chafer
Giuliani's Dune Scarab Beetle
Frost's Spring Scarab Beetle
Tantula Scarab Beetle
Scrub Palmetto Flower Scarab Beetle

I U.S.A.
I U.S.A.
I U.S.A.
V Austria
I U.S.A.
K Reunion
E Europe
I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.
V New Zealand
I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.

Family Buprestidae
Buprestis splendens

Goldstreifiger
E Europe

Family Elmidae
Atractelmis wawona
Cylloepus parkeri
Dubiraphia brunnescens
Dubiraphia giulianii
Dubiraphia parva
Dubiraphia robusta
Heterelmis stephani
Huleechius marroni carolus
Microcylloepus browni

Wawawona Riffle Beetle
Parker's Riffle Beetle
Brownish Riffle Beetle
Giuliani's Riffle Beetle
Little Riffle Beetle
Robust Riffle Beetle
Stephan's Riffle Beetle
Marron's San Carlos Riffle Beetle
Brown's Riffle Beetle

I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.

<i>Optioservus browni</i>			
<i>Optioservus canus</i>			
<i>Optioservus phaeus</i>			
<i>Stenelmis calida calida</i>			
<i>Stenelmis calida moapa</i>			
<i>Stenelmis douglasensis</i>			
<i>Stenelmis gammoni</i>			
<i>Zaitzeva thernae</i>			
Family Psephenidae			
<i>Acneus beeri</i>			
<i>Acneus burnelli</i>			
<i>Alabamaubria starki</i>			
<i>Dicranopselaphus variegatus</i>			
<i>Psephenus arizonensis</i>			
<i>Psephenus montanus</i>			
Family Elateridae			
<i>Amychus candezei</i>			
<i>Amychus granulatus</i>			
<i>Eanus hatchi</i>			
<i>Eopenthes</i> (17 species)			
<i>Itodacnus</i> spp.			
Family Eucnemidae			
<i>Paleoxenus dohmi</i>			
Family Lampyridae			
<i>Micronaspis floridana</i>			
<i>Photuris brunnipennis floridana</i>			

Brown's Riffle Beetle	I		U.S.A.
Pinnacles Riffle Beetle	I		U.S.A.
Scott Riffle Beetle	I		U.S.A.
Devil's Hole Warm Spring Riffle Beetle	I		U.S.A.
Moapa Warm Springs Riffle Beetle	I		U.S.A.
Douglas Riffle Beetle	I		U.S.A.
Gammon's Riffle Beetle	I		U.S.A.
Warm Spring Riffle Beetle	I		U.S.A.
Beer's False Water Penny Beetle	I		U.S.A.
Burnell's False Water Penny Beetle	I		U.S.A.
Stark's False Water Penny Beetle	I		U.S.A.
Variegated False Water Penny Beetle	I		U.S.A.
Arizona Water Penny Beetle	I		U.S.A.
White Mountains Water Penny Beetle	I		U.S.A.
Hatch's Click Beetle	V		Chatham Is, New Zealand
Hawaiian Click Beetles	V		New Zealand
Necker Click Beetles	I		Canada, U.S.A.
	E		Hawaii (U.S.A.)
	I		Hawaii (U.S.A.)
Dohrn's Elegant Eucnemid Beetle	I		U.S.A.
Florida Intertidal Firefly	I		U.S.A.
Everglades Browing Firefly	I		U.S.A.

Family Anobiidae

Holcobius pikoensis

Piko Anobiid Beetle I Hawaii (U.S.A.)

Family Cucujidae

Cucujus cinnaberinus

Scharlachkafer E Northern & Central Europe

Family Tenebrionidae

Coelus globosus

Coelus gracilis

Polposipus herculeanus

Globose Dune Beetle I Mexico, U.S.A.

San Joaquin Dune Beetle I U.S.A.

Frigate Isl. Giant Tenebrionid Beetle R Seychelles

Family Meloidae

Lytta hoppingi

Lytta inseperata

Lytta mirifica

Lytta moesta

Lytta molesta

Lytta morrisoni

Hopping's Blister Beetle I U.S.A.

Mojave Desert Blister Beetle I U.S.A.

Anthony Blister Beetle I Mexico, U.S.A.

Moestan Blister Beetle I U.S.A.

Molestan Blister Beetle I U.S.A.

Morrison's Blister Beetle I U.S.A.

Family Anthicidae

Anthicus antiochensis

Anthicus sacramento

Antioch Dunes Beetle I U.S.A.

Sacramento Beetle I U.S.A.

Family Cerambycidae

Aeschrithmysus dubautianus

Aeschrithmysus swezeyi

Aeschrithmysus terryi

Cerambyx cerdo

Crossidius majavensis majavensis

Desmocerus californicus dimorphus

Dryobius sexnotatus

Hawaii (U.S.A.)

Hawaii (U.S.A.)

Hawaii (U.S.A.)

Central & Northern Europe

U.S.A.

U.S.A.

U.S.A.

Cerambyx Longicorn

Mojave Rabbitbrush Longhorn Beetle

Valley Elderberry Longhorn Beetle

Six-banded Longhorn Beetle

E

E

E

E

E

V

I

Macrodonia cervicornis
Morimus funereus
Necydalis rudei
Nesithmysus bridwelli
Nesithmysus frobesi
Nesithmysus haasi
Nesithmysus swezeyi
Plagithmysus (49 species)
Rosalia alpina
Xylotoles costatus

Family Chrysomelidae

Donacia idola

Family Aglycyderidae

Proterhinus (72 species)

Family Curculionidae

Anagotus fairburni
Anagotus turbotti
Deinocoelonus nesiotus
Dryophthorus distinguendus
Dryotribus mimeticus
Dysticheus rotundicollis
Gymnopholus lichenifer
Hadramphus spinipennis
Hadramphus stilbocarpae
Hadramphus tuberculatus
Heteramphus filicum
Heteraxis seticosatus
Lyperobius huttoni
Macrancylus linearis

Rude's Longhorn Beetle
 Rosalia Longicorn
 Ex

K Brazil, Peru
 E Central Europe, U.S.S.R.
 I Hawaii (U.S.A.)
 E Hawaii (U.S.A.)
 E Hawaii (U.S.A.)
 E Hawaii (U.S.A.)
 E Hawaii (U.S.A.)
 E Hawaii (U.S.A.)
 E Central & Northern Europe
 E [Chatham Is (New Zealand)]

I U.S.A.

Bog Idol Leaf Beetle

Hawaiian Proterhinus Beetles

E Hawaii (U.S.A.)

Flax Weevil

Turbott's Weevil

Oahu Nesiotus Weevil

Antioch Dune Weevil

Lichen Weevil

V New Zealand
 V New Zealand
 E Hawaii (U.S.A.)
 Ex [Hawaii (U.S.A.)]
 Ex [Hawaii (U.S.A.)]
 I U.S.A.
 V Papua New Guinea
 V Chatham Is (New Zealand)
 V New Zealand
 V New Zealand
 E Hawaii (U.S.A.)
 V New Zealand
 V New Zealand
 Ex [Hawaii (U.S.A.)]

Speargrass Weevil

Family Mycetophilidae
Arachnocampa tasmaniensis

I Tasmania

Family Blepharoceridae
Edwardsina gigantea
Edwardsina tasmaniensis

E Australia
E Tasmania
Giant Torrent Midge
Tasmanian Torrent Midge

Family Tabanidae

Apatalestea rossi U.S.A.
Asaphomyia floridensis U.S.A.
Asaphomyia texanus U.S.A.
Brennania belkini Mexico, U.S.A.
Merycomyia brunnea U.S.A.
Stonemyia volutina [U.S.A.]

Family Acroceridae
Eulonchus marialiciae

I U.S.A.
Mary Alice's Small-headed Fly

Family Asilidae
Cophura hurdi
Efferia antiochi
Metapogon hurdi

I U.S.A.
I U.S.A.
I U.S.A.
Antioch Robberfly
Antioch Robberfly
Hurd's Robberfly

Family Apiocertidae
Raphiomydas triochilus

I U.S.A.
Valley Mydas Fly

Family Empididae
Chersodromia hawaiiensis

I Hawaii (U.S.A.)
Hawaiian Dance Fly

Family Dolichopodidae
Campsicnemus mirabilis

Ex [Hawaii (U.S.A.)]

Family Syrphidae
Mixogaster delongi

I U.S.A.

Delong's Flower Fly

Family Asteiidae
Bryania bipunctata

I Hawaii (U.S.A.)

Nihoa Two-spotted Asterid Fly

Family Drosophilidae
Drosophila lanaiensis

Ex [Hawaii (U.S.A.)]

Family Ephydriidae
Paracoenia calida

I U.S.A.

Wilber Springs Shore Fly

Order TRICHOPTERA

Family Rhyacophilidae

Rhyacophila alexandra

I U.S.A.

Rhyacophila amabilis

Ex [U.S.A.]

Rhyacophila colonus

I U.S.A.

Rhyacophila fenderi

I U.S.A.

Rhyacophila haddocki

I U.S.A.

Rhyacophila lineata

I U.S.A.

Rhyacophila mosana

I U.S.A.

Rhyacophila spinata

I U.S.A.

Rhyacophila unipunctata

I U.S.A.

Family Glossosomatidae

Agapetus artesus

I U.S.A.

Agapetus denningi

I U.S.A.

Agapetus medicus

I U.S.A.

Protophila arca

I U.S.A.

Artesian Caddisfly

Denning's Caddisfly

Arkansas Caddisfly

San Marcos Caddisfly

Family Hydrotilidae

Hydroptila decia

Neotrichia kitae

Ochrotrichia alsea

Ochrotrichia contorta

Ochrotrichia phenosa

Ochrotrichia provosti

Ochrotrichia vertreesi

Oxyethira florida

Knoxville Micro Caddisfly
Kite's Micro Caddisfly
Alsea Micro Caddisfly
Contorted Micro Caddisfly
Deschutes Micro Caddisfly
Provost's Micro Caddisfly
Vertree's Micro Caddisfly
Florida Micro Caddisfly

I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.

Family Philopotamidae

Dolophilodes oregana

Oregon Caddisfly

I U.S.A.

Family Stenopsychidae

Stenopsychodes lineata

I Tasmania

Family Polycentropidae

Tasmanoplegas spilota

I Tasmania

Family Limnephilidae

Apatania tavalae

Archaeophylax vernalis

Cryptochia excella

Cryptochia neosa

Ecclisomyia bilera

Farula davisi

Farula jewetti

Farula reaperi

Glyphopsyche missouri

Limnephilus alconura

Limnephilus atercus

Cascades Caddisfly

Kings Canyon Caddisfly
Blue Mountains Caddisfly
King's Creek Caddisfly
Green Springs Mountain Caddisfly
Mount Hood Caddisfly
Tombstone Prairie Caddisfly
Missouri Caddisfly
Klamath Caddisfly
Fort Dick Caddisfly

I U.S.A.
I Tasmania
I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.
I U.S.A.

<i>Neothramma andersoni</i>	Colombian Gorge Caddisfly	I	U.S.A.
<i>Oligophlebodes masibento</i>	Tombstone Prairie Oligophlebodes	I	U.S.A.
<i>Philocasca oron</i>	Clatsop Caddisfly	I	U.S.A.
<i>Trienodes tridonata</i>	Three-tooth Caddisfly	Ex	[U.S.A.]
Family Lepidostomatidae			
<i>Lepidostoma fischeri</i>	Fischer's Caddisfly	I	U.S.A.
<i>Lepidostoma goedeni</i>	Goeden's Caddisfly	I	U.S.A.
Family Kokiriidae			
<i>Taskiria mccubbini</i>		I	Tasmania
<i>Taskropsyche lacustris</i>		I	Tasmania
Family Plectrotarsidae			
<i>Nanoptetrus truchnasi</i>		I	Tasmania
Family Sericostomatidae			
<i>Agarodes ziczac</i>	Zigzag Blackwater Caddisfly	I	U.S.A.
Family Odontoceridae			
<i>Psilotreta hansonii</i>		I	U.S.A.
Family Philorheithridae			
<i>Ramiheithrus kocinus</i>		I	Tasmania
Family Leptoceridae			
<i>Ceraclea floridana</i>	Florida Longhorn Caddisfly	I	U.S.A.
<i>Ceraclea vertreesi</i>	Vertree's Caddisfly	I	U.S.A.
<i>Oecetis parva</i>	Little Longhorn Caddisfly	I	U.S.A.
<i>Trienodes phalacris</i>	Athens Caddisfly	Ex	[U.S.A.]
<i>Westriplectes pedderensis</i>		I	Tasmania

Order LEPIDOPTERA

Family Hepialidae

Leto venus

Zelotypia stacyi

Silver Spotted Ghost Moth
Bent Wing Swift Moth

V South Africa
V Australia

Family Nepticulidae

Ectodemia castaneae

Ectodemia phleophaga

American Chestnut Moth
Phleophagan Chestnut Moth

Ex? U.S.A.
Ex? U.S.A.

Family Tischeriidae

Tischeria perplexa

Chestnut Clearwing Moth

Ex? U.S.A.

Family Gracillariidae

Petrochroa neckerensis

Phildoria wilkesiella

Necker Leaf-miner Moth

I Hawaii (U.S.A.)
E Hawaii (U.S.A.)

Family Coleophoridae

Coleophora leucochrysellæ

Ex? U.S.A.

Family Gelechiidae

Kiwaia jeanae

V New Zealand

Family Carposinidae

Heterocrossa viridis

Green Carposinid Moth

I Hawaii (U.S.A.)

Family Argyresthiidae

Argyresthia castaneella

Chestnut Ermine Moth

Ex? U.S.A.

Family Sesiidae

Synanthedon castaneae

Chestnut Clearwing Moth

I U.S.A.

Family Tortricidae

Grapholitha edwardsiana
Spheterista oheheana
Spheterista pterotropiana
Spheterista reynoldsiana

San Francisco Tree Lupine
 Ohe Ohe Leaf-roller Moth
 Green-Banded Ohe Ohe Leaf-roller Moth
 Wallupe Leaf-Roller Moth

R U.S.A.
 I Hawaii (U.S.A.)
 I Hawaii (U.S.A.)
 I Hawaii (U.S.A.)

Family Cochylidae

Carotella busckana

Busk's Gall Moth

I U.S.A.

Family Hesperiidae

Antipodia chaostola leucophaea
Cartocephalus palaemon
Dalla octomaculata
Epargyreus antaeus
Epargyreus spana
Euscheman rafflesia
Hesperia dacotae
Hesperia pawnee montana
Hesperilla mastersi marakupa
Kedestes barerae bunta
Kedestes chaca
Metisella syrinx
Oreisplanus munionga larana
Panoquina errans
Panoquina panoquinoides errans
Problema buienta
Pseudocopaodes eunus eunus
Syrichtus cribrellum
Syrichtus tessellum
Tsitana dicksoni

Chequered Skipper
 Eight-Spotted Skipper

 Skipper
 Dakota Skipper
 Pawnee Montane Skipper

 Barber's Ranger

 Bamboo Sylph

 Wandering Skipper
 Salt Marsh Skipper
 Rare Skipper
 Wandering Skipper
 Spinose Skipper
 Tessellated Skipper
 Dickson's Sylph

I Tasmania
 V Central & North Europe
 R Costa Rica, Panama
 R Jamaica
 R Dominican Republic
 K Australia
 E Canada, U.S.A.
 E U.S.A.
 I Tasmania
 V South Africa
 V South Africa
 V South Africa
 I Tasmania
 V Mexico, U.S.A.
 V Mexico, U.S.A.
 I U.S.A.
 I U.S.A.
 I Romania, S. U.S.S.R.
 K Balkans, S. U.S.S.R., Iran
 V South Africa

Family Megathymidae

Stallingsia maculosus

Family Papilionidae

*Archon apollinaris**Atrophaneura atropos**Atrophaneura jophon**Atrophaneura luchi**Atrophaneura palu**Atrophaneura schadenbergi**Baronia brevicornis**Battus zetides**Bhutanitis ludlowi**Bhutanitis mansfieldi**Bhutanitis thaidina**Eurytides iphitas**Eurytides lysithous harrisi**Eurytides marcellinus**Graphium alebion chungianus**Graphium antiphates ceylonicus**Graphium aurivilliusi**Graphium epaminondas**Graphium idaeoides**Graphium levassori**Graphium meeki**Graphium megaera**Graphium mendana**Graphium procles**Graphium sandawanum**Graphium stresemanni**Luehdorfia chinensis*

Maculated Manfreda Skipper

I

U.S.A.

Sri Lankan Rose

R

Turkey

Palawan (Philippines)

Sri Lanka

Java (Indonesia)

Sulawesi (Indonesia)

Luzon (Philippines)

Mexico

Hispaniola

Bhutan

China

China

Brazil

Brazil

Jamaica

Taiwan

Sri Lanka

Zaire

Andaman Is (India)

Philippines

Comoro Is

Bougainville, Solomon Is

Palawan (Philippines)

Bougainville, Solomon Is

Sabah (Malaysia)

Mindanao (Philippines)

Moluccas (Indonesia)

China

Chinese Luehdorfia

K

<i>Luehdorffia japonica</i>	Japanese Luehdorffia	I	Japan, Taiwan
<i>Ornithoptera aesacus</i>		I	Moluccas (Indonesia)
<i>Ornithoptera alexandrae</i>	Queen Alexandra's Birdwing	E	Papua New Guinea
<i>Ornithoptera chimaera</i>	Chimaera Birdwing	I	New Guinea
<i>Ornithoptera croesus</i>		V	Moluccas (Indonesia)
<i>Ornithoptera meridionalis</i>		V	New Guinea
<i>Ornithoptera paradisea</i>	Paradise Birdwing	I	New Guinea
<i>Ornithoptera rothschildi</i>	Rothschild's Birdwing	I	Irian Jaya (Indonesia)
<i>Ornithoptera tithonus</i>		K	Irian Jaya (Indonesia)
<i>Papilio acheron</i>		R	Sabah, Sarawak (Malaysia)
<i>Papilio antimagus</i>	African Giant Swallowtail	R	Central & West Africa
<i>Papilio aristodemus ponceanus</i>	Schaus' Swallowtail	E	U.S.A.
<i>Papilio aristophontes</i>		I	Comoro Is
<i>Papilio aristor</i>	Scarce Haitian Swallowtail	I	Hispaniola
<i>Papilio benguetanus</i>		V	Luzon (Philippines)
<i>Papilio caiguanabus</i>		I	Cuba
<i>Papilio carolinensis</i>	Poey's Black Swallowtail	V	Mindanao (Philippines)
<i>Papilio chikae</i>		E	Luzon (Philippines)
<i>Papilio desmondi teita</i>		E	Kenya
<i>Papilio esperanza</i>	Taita Blue-banded Papilio	V	Mexico
<i>Papilio garleppi</i>		K	South America
<i>Papilio groesmithi</i>		R	Madagascar
<i>Papilio himeros</i>		V	Argentina, Brazil
<i>Papilio homerus</i>	Homerus Swallowtail	E	Jamaica
<i>Papilio hospiton</i>	Corsican Swallowtail	E	Corsica, Sardinia (Italy)
<i>Papilio jordani</i>	Jordan's Swallowtail	R	Sulawesi (Indonesia)
<i>Papilio leucotaenia</i>	Cream-banded Swallowtail	V	Burundi, Rwanda, Uganda
<i>Papilio mangoura</i>		R	Madagascar
<i>Papilio manlius</i>		I	Mauritius
<i>Papilio maraho</i>		V	Taiwan
<i>Papilio maroni</i>		K	French Guiana
<i>Papilio moeneri</i>		V	Bismarck Arch. (Papua New Guinea)

Insects

<i>Papilio morondavana</i>		Madagascan Emperor Swallowtail	V	Madagascar
<i>Papilio neuwoegeni</i>			V	Lesser Sunda Is (Indonesia)
<i>Papilio osmana</i>		Papillon La Pature	V	Philippines
<i>Papilio phorbanta</i>			V	Reunion
<i>Papilio phorbanta nana</i>			Ex	[Seychelles]
<i>Papilio sjoestedti</i>		Kilimanjaro Swallowtail	R	Tanzania
<i>Papilio toboroi</i>			R	Bougainville, Solomon Is
<i>Papilio weymeri</i>			R	Bismarck Arch. (Papua New Guinea)
<i>Parides ascanius</i>		Fluminense Swallowtail	V	Brazil
<i>Parides burchellanus</i>			V	Brazil
<i>Parides coelus</i>			K	French Guiana
<i>Parides hahneli</i>		Hahnel's Amazonian Swallowtail	R	Brazil
<i>Parides klagesi</i>			K	Venezuela
<i>Parides pizarro</i>			K	Brazil, Peru
<i>Parides steinbachi</i>			K	Bolivia
<i>Parnassius apollo</i>		Apollo	R	Europe & U.S.S.R. to China
<i>Parnassius apollo vinningensis</i>			E	F.R.G.
<i>Parnassius autocrator</i>			R	Afghanistan, Tadzhikistan
<i>Parnassius clodius shepardii</i>		Shepard's Clodius Parnassian	I	U.S.A.
<i>Parnassius clodius strohbeeni</i>		Strohbeen's Clodius Parnassian	Ex	[U.S.A.]
<i>Teinopalpus aureus</i>		Golden Kaiser-I-Hind	K	China, Vietnam
<i>Teinopalpus imperialis</i>		Kaiser-I-Hind	R	India to China
<i>Troides aeacus kaguya</i>			E	Taiwan
<i>Troides andromache</i>		Taloud Black Birdwing	I	Sabah, Sarawak (Malaysia)
<i>Troides doherfyi</i>			V	Sulawesi (Indonesia)
<i>Troides prattorum</i>			I	Moluccas (Indonesia)
Family Pieridae				
<i>Artogeia virginiensis</i>		West Virginia White	I	Canada, U.S.A.
<i>Belenois orgygia</i>			E	South Africa
<i>Euclloe hyantis andrewsi</i>		Andrew's Marble Butterfly	I	U.S.A.
<i>Mylothris carcassoni</i>			R	Zimbabwe

Pieris krueperi devita

Family Lycaenidae

Alaena margaritacea

Aloeides caledoni

Aloeides dentatis

Aloeides egerides

Aloeides lutescens

Argyrocupha malagrida malagrida

Argyrocupha malagrida paarlensis

Callophrys mossii bayensis

Capys penningtoni

Chrysoritis cotrelli

Chrysoritis oreas

Chrysoritis zeuxo

Cyclurius mandersi

Deloneura immaculata

Deloneura millari millari

Deudorix penningtoni

Deudorix vansonii

Durbania limbata

Erikssonia acraeina

Eumaeus atala florida

Everes comyntas texanus

Glaucopsyche lygdamus palosverdesensis

Glaucopsyche xerces

Hemiarctus thomasi bethune-bakeri

Icaricia icarioides missionensis

Icaricia icarioides moroensis

Icaricia icarioides pheres

Lepidochrysops ariadne

Lepidochrysops bacchus

R India

V South Africa

V South Africa

R South Africa

V South Africa

V South Africa

V South Africa

V South Africa

E U.S.A.

E South Africa

I South Africa

I South Africa

I South Africa

I Mauritius

Ex? South Africa

V South Africa

V South Africa

V South Africa

V South Africa

R South Africa

V U.S.A.

Ex [U.S.A.]

Ex? U.S.A.

Ex [U.S.A.]

I U.S.A.

E U.S.A.

I U.S.A.

I U.S.A.

E South Africa

V South Africa

Millar's Buff

Florida Atala Hairstreak

Texas Tailed Blue

Palos Verdes Blue

Xerces Blue

Miami Blue Butterfly

Mission Blue

Moro Bay Blue

Pheres Blue

Wineland Blue

Insects

<i>Lepidochrysops hypopolia</i>	Lotis Blue	Ex?	South Africa
<i>Lepidochrysops loewensteini</i>	Karner Blue	V	South Africa
<i>Lepidochrysops lotana</i>	Large Copper	E	South Africa
<i>Lepidochrysops methymna dicksoni</i>	Clayton's Copper	E	South Africa
<i>Lepidochrysops titei</i>	Hermes Copper	V	South Africa
<i>Lycaeides argyrognomon lotis</i>	Alcon Large Blue	E	U.S.A.
<i>Lycaeides melissa samuelis</i>	Large Blue	I	U.S.A.
<i>Lycaena dispar</i>	Greater Large Blue	E	Northern Europe
<i>Lycaena dorcas claytoni</i>	Greater Large Blue	I	U.S.A.
<i>Lycaena hermes</i>	Dusky Large Blue	I	Mexico, U.S.A.
<i>Maculinea alcon</i>	Rebel's Large Blue	V	Europe, U.S.S.R.
<i>Maculinea arion</i>	Scarce Large Blue	V	Europe, U.S.S.R.
<i>Maculinea arionides</i>	Scarce Large Blue	V	China, Japan, U.S.S.R.
<i>Maculinea arionides matsumara</i>		V	China, Japan, U.S.S.R.
<i>Maculinea nausithous</i>		V	Europe, U.S.S.R.
<i>Maculinea rebeli</i>		E	South & Central Europe
<i>Maculinea teleius</i>		V	Europe & Northern Asia
<i>Maculinea teleius burdigalensis</i>		E	France
<i>Notarthrinus binghami</i>		R	India
<i>Oreolyce dohertyi</i>		R	India
<i>Ornipholidotos peuceia penningtoni</i>	Naga Hedge Blue	I	Mozambique, South Africa
<i>Oxychaeta dicksoni</i>	White Mimic	E	South Africa
<i>Panchala ganesa loomisi</i>	Dickson's Copper	E	Japan
<i>Philotiella speciosa bohartorum</i>	Tailless Blue	I	U.S.A.
<i>Plebejus emigdioi</i>	Bohart's Blue	I	U.S.A.
<i>Plebejus icarioides missionensis</i>	San Emigdio Blue	E	U.S.A.
<i>Plebicula golgus</i>	Mission Blue	E	Spain
<i>Poecilmitis adonis</i>	Nevada Blue	E	South Africa
<i>Poecilmitis aureus</i>		V	South Africa
<i>Poecilmitis endymion</i>		I	South Africa
<i>Poecilmitis lyncurium</i>		V	South Africa
<i>Poecilmitis nigricans</i>		V	South Africa
	Tsomo River Copper		
	Blue Jewel Copper		

Poecilmitis rileyi
Pseudalmenus chlorinda chlorinda
Pseudalmenus chlorinda conara
Pseudolaula lulua
Shijimiaeoides battoides allyni
Shijimiaeoides battoides comstocki
Shijimiaeoides enoptes smithi
Shijimiaeoides langstoni langstoni
Shijimiaeoides rita mattonii
Spindasis collinsi
Strymon acis bartrami
Strymon avalona
Thestor dicksoni dicksoni
Thestor kaplani
Thestor tempe
Trimenia wallengrenii
Uranothauma usambarae

Family Libytheidae *Libythea cinyras*

Family Danaidae

Amauris comorana
Amauris nossima
Amauris phoedon
Anetia briarea
Anetia cubana
Anetia jaegeri
Anetia pantheratus
Danaus cleophile
Euploea albicosta
Euploea blossomae

White Spotted Sapphire	V	South Africa
El Segundo Blue	I	Tasmania
Comstock's Blue	I	Tasmania
Smith's Blue	V	South Africa
Langston's Blue	E	U.S.A.
Mattoni's Blue	I	U.S.A.
	E	U.S.A.
	I	U.S.A.
	I	U.S.A.
	I	U.S.A.
Bartram's Hairstreak	V	Tanzania
Avalon Hairstreak	I	U.S.A.
Dickson's Thestor	K	U.S.A.
Kaplan's Thestor	V	South Africa
	V	South Africa
	V	South Africa
	V	South Africa
Wallengren's Copper	V	South Africa
	V	Tanzania
	Ex	[Mauritius]
	R	Comoro Is
	R	Comoro Is, Madagascar
	R	Mauritius
	R	Cuba, Hispaniola
	R	Cuba
	R	Hispaniola
	R	Cuba, Hispaniola
	K	Hispaniola, Jamaica
	R	Irian Jaya (Indonesia)
	R	Philippines

<i>Euploea caespes</i>	R	Indonesia
<i>Euploea configurata</i>	R	Sulawesi (Indonesia)
<i>Euploea cordelia</i>	R	Sulawesi (Indonesia)
<i>Euploea dentiplaga</i>	R	Indonesia
<i>Euploea doretta</i>	R	Bismarck Arch. (Papua New Guinea)
<i>Euploea eboraci</i>	R	Bismarck Arch. (Papua New Guinea)
<i>Euploea eupator</i>	R	Sulawesi (Indonesia)
<i>Euploea euphon</i>	R	Mauritius, Reunion, Rodrigues
<i>Euploea gamelia</i>	R	Java (Indonesia)
<i>Euploea lacon</i>	R	Bismarck Arch. (Papua new Guinea)
<i>Euploea latifasciata</i>	R	Sulawesi (Indonesia)
<i>Euploea magou</i>	R	Sulawesi (Indonesia)
<i>Euploea martinii</i>	R	Sumatra (Indonesia)
<i>Euploea mitra</i>	R	Seychelles
<i>Euploea tobleri</i>	R	Philippines
<i>Euploea tripunctata</i>	R	Irian Jaya (Indonesia)
<i>Idea electra</i>	R	Philippines
<i>Idea iasonia</i>	R	Sri Lanka
<i>Idea malabarica</i>	R	India
<i>Idea tambusisiana</i>	K	Sulawesi (Indonesia)
<i>Ideopsis hewitsonii</i>	R	Irian Jaya (Indonesia)
<i>Ideopsis klassika</i>	R	Indonesia
<i>Ideopsis oberthurii</i>	R	Indonesia
<i>Parantica albata</i>	R	Java, Sumatra (Indonesia)
<i>Parantica clinias</i>	R	Bismarck Arch. (Papua New Guinea)
<i>Parantica crowleyi</i>	R	Borneo
<i>Parantica dannatti</i>	R	Philippines
<i>Parantica davidi</i>	R	Philippines
<i>Parantica garamantis</i>	E	Bougainville, Solomon Is
<i>Parantica kirbyi</i>	R	New Guinea
<i>Parantica kuekenhali</i>	K	Sulawesi (Indonesia)
<i>Parantica marcia</i>	R	Irian Jaya (Indonesia)

Sulawesi Tree Nymph

Parantica menadensis
Parantica milagros
Parantica nilgiriensis
Parantica philo
Parantica phyle
Parantica pseudomelaneus
Parantica pumila
Parantica rotundata
Parantica schoenigi
Parantica sulewatian
Parantica taprobana
Parantica tityoides
Parantica toxopei
Parantica wegneri
Parantica weiskei
Protoploea apatela
Tiradelphe schneideri
Tirumala euploeomorpha
Tirumala gautama

R Sulawesi (Indonesia)
R Philippines
R India
R Indonesia
R Philippines
R Java (Indonesia)
R New Caledonia
R Bismarck Arch. (Papua New Guinea)
R Philippines
R Sulawesi (Indonesia)
R Sri Lanka
R Sumatra (Indonesia)
R Sulawesi (Indonesia)
R Indonesia
R New Guinea
R New Guinea
R Solomon Is.
R Solomon Is.
R Indochina, China, Malaysia

Family Satyridae

Coenonympha oedippus
Erebia annada annada
Erebia christi
Erebia gorgone
Erebia narasingha narasingha
Erebia ottomana
Erebia scipio
Erebia sthenryo
Erebia sudetica
Lethe distans
Lethe dura gammiei

False Ringlet
Raetzer's Ringlet
Gavarnie Ringlet
Ottoman Brassy Ringlet
Larche Ringlet
False Dewy Ringlet
Sudeten Ringlet
Scarce Red Forester

E Europe & Northern Asia
R Bhutan, India
V Italy, Switzerland
I Pyrenees
R India
R Southern Europe
R France, Italy
R France, Spain
V Europe
R Burma, India
R Bhutan, India

<i>Cymothoe melanjae</i>			R	Malawi
<i>Cymothoe teita</i>			V	Kenya
<i>Doleschallia bisaltide andamana</i>	Andaman Leafwing		R	Andaman Is (India)
<i>Euphydryas editha bayensis</i>	Bay Checkerspot Butterfly		E	U.S.A.
<i>Euphydryas editha monoesis</i>	Mono Checkerspot Butterfly		I	U.S.A.
<i>Euryphura achlys</i>	Mottled Green		I	East & South Africa
<i>Euthalia malapana</i>			Ex	[Taiwan]
<i>Euxanthe madagascariensis</i>			R	Madagascar
<i>Fabriciana elisa</i>			V	France, Italy
<i>Heliconius charltonius peruvianus</i>			V	Ecuador, Peru
<i>Heliconius nativeri</i>			E	Brazil
<i>Heteronympha cordacea comptena</i>	Natterer's Longwing		I	Tasmania
<i>Hypodryas maturna</i>			E	Northern Europe
<i>Hypolimnias antevorta</i>	Scarce Fritillary		V	Tanzania
<i>Hypolimnias dubius drucei</i>			I	Comoro Is, Madagascar, Mauritius
<i>Neptis decaryi</i>			R	Madagascar
<i>Neptis manasa</i>			R	China, India
<i>Neptis metella gratilla</i>			R	Madagascar
<i>Neptis nycteus</i>			R	Sikkim (India)
<i>Neptis sankara nar</i>			R	Andaman Is (India)
<i>Neptis sextilla</i>			I	Madagascar
<i>Phalanta philiberti</i>			E	Seychelles
<i>Phyciodes batesi</i>			I	U.S.A.
<i>Salamis angustina</i>	Tawny Crescent Butterfly		I	Madagascar, Mauritius
<i>Salamis angustina angustina</i>	Salamis Retrecie		I	Madagascar, Reunion
<i>Salamis angustina vinsoni</i>	Salamis Retrecie		Ex	[Mauritius]
<i>Sasakia charonda</i>			I	Japan, Taiwan
<i>Satyrodes eurydice fumosa</i>			I	U.S.A.
<i>Smerina manoro</i>	Smokey Eyed Brown Butterfly		R	Madagascar
<i>Speyeria adiate atossa</i>			Ex	[U.S.A.]
<i>Speyeria callippe callippe</i>	Atossa		I	U.S.A.
<i>Speyeria hydaspe conquista</i>	Callippe Silverspot Silverspot		I	U.S.A.

<i>Speyeria idalia</i>					
<i>Speyeria nokomis caeruleseens</i>					
<i>Speyeria nokomis nokomis</i>					
<i>Speyeria zerene behrensii</i>					
<i>Speyeria zerene hippolyta</i>					
<i>Speyeria zerene myrtilae</i>					
Family Acraeidae					
<i>Acraea hova</i>					
<i>Acraea sambavae</i>					
Family Pyralidae					
<i>Hedylepta</i> (14 species)					
<i>Kupea electilis</i>					
<i>Margaronia cyanomichla</i>					
<i>Margaronia exaula</i>					
<i>Oecoblia dryadopa</i>					
Family Geometridae					
<i>Acalyphes philorites</i>					
<i>Dirce aesiodora</i>					
<i>Dirce lunaris</i>					
<i>Dirce oriplancta</i>					
<i>Dirce solaris</i>					
<i>Fletcherana ioxantha</i>					
<i>Gnophos obscurata</i>					
<i>Scotorythra megalophylla</i>					
<i>Scotorythra nesiotis</i>					
<i>Scotorythra paratactis</i>					
<i>Tritocleis microphylla</i>					
	Regal Fritillary	I	Canada, U.S.A.		
	Blue Silverspot	I	Mexico, U.S.A.		
	Great Basin Silverspot	I	U.S.A.		
	Behren's Silverspot	I	U.S.A.		
	Oregon Silverspot	V	U.S.A.		
	Myrtle's Fritillary	R	U.S.A.		
		R	Madagascar		
		R	Madagascar		
	Hedyleptan Moths	T	Hawaii (U.S.A.)		
		V	New Zealand		
	Blue Margaronian	I	Hawaii (U.S.A.)		
	Green Margaronian	I	Hawaii (U.S.A.)		
	Ohenaupaka Oeobian Moth	I	Hawaii (U.S.A.)		
		I	Tasmania		
		I	Tasmania		
		I	Tasmania		
		I	Tasmania		
		I	Tasmania		
	Ioxantha Looper Moth	I	Hawaii (U.S.A.)		
		K	Austria, F.R.G.		
	Kona Giant Looper Moth	Ex?	Hawaii (U.S.A.)		
	Ko'olau Giant Looper Moth	Ex?	Hawaii (U.S.A.)		
	Hawaiian Hopseed Looper Moth	Ex?	Hawaii (U.S.A.)		
	Ola'a Peppered Looper Moth	Ex?	Hawaii (U.S.A.)		

Family Lasiocampidae

Eriogaster catax
Phylodesma ilicifolia

E Central & Southern Europe
V Central & North Europe to Japan

Small Lappet Moth

Family Saturniidae

Graellsia isabelae
Saturnia pyri

Spanish Moon Moth
Great Peacock Moth

V France, Spain
E Austria, Czechoslovakia, F.R.G.

Family Sphingidae

Celerio wilsoni perkinsi
Euproserpinus euterpe
Euproserpinus wiesti
Hyles hippophaes
Manduca blackburni
Proserpinus proserpina
Tinostoma smaragditiis

Kern Primrose Sphinx Moth
Prairie Sphinx Moth

E Hawaii (U.S.A.)
V U.S.A.
E U.S.A.
V Europe & U.S.S.R.
Ex? Hawaii (U.S.A.)
V Central & South Europe, Middle East
Ex? Hawaii (U.S.A.)

Blackburn's Sphinx Moth
none known
Fabulous Green Sphinx of Kauai

Family Noctuidae

Agrotis crinigera
Agrotis fasciata
Agrotis kerri
Agrotis laysanensis
Agrotis photophila
Agrotis procellaris
Catocala marmorata
Catocala pretiosa
Erythroecia hebaridi
Helicoverpa confusa
Helicoverpa minuta
Hydraecia petasitis
Hypena laysanensis

Poko Noctuid Moth
Midway Noctuid Moth
Kerr's Noctuid Moth
Laysan Noctuid Moth

Procellaris grotis Noctuid Moth
Marbled Underwing Moth
Precious Underwing Moth
Hebard's Noctuid Moth
Confused Moth
Minute Noctuid Moth

Laysan Dropseed Noctuid Moth

Ex? Hawaii (U.S.A.)
Ex [Hawaii (U.S.A.)]
Ex? Hawaii (U.S.A.)
Ex [Hawaii (U.S.A.)]
Ex [Hawaii (U.S.A.)]
Ex [Hawaii (U.S.A.)]
I U.S.A.
I U.S.A.
I U.S.A.
Ex? Hawaii (U.S.A.)
Ex [Hawaii (U.S.A.)]
E Austria, F.R.G.
Ex [Hawaii (U.S.A.)]

<i>Hypena neweili</i>	Hilo Noctuid Moth	Ex?	Hawaii (U.S.A.)
<i>Hypena plagiota</i>	Lovegrass Noctuid Moth	Ex?	Hawaii (U.S.A.)
<i>Hypena senicula</i>	Kaholuamano Noctuid Moth	Ex?	Hawaii (U.S.A.)
<i>Lithophane lemmeri</i>	Lemmer's Noctuid Moth	I	U.S.A.
<i>Peridroma porphyrea</i>		Ex	[Hawaii (U.S.A.)]
<i>Pyreferra ceromatica</i>	Ceromatic Noctuid Moth	I	Canada, U.S.A.
Order HYMENOPTERA			
Family Eupelmidae			
<i>Eupelmus nihoaensis</i>	Nihoa Eupelmus Wasp	I	Hawaii (U.S.A.)
Family Bethyilidae			
<i>Sclerodermus nihoaensis</i>	Nihoa Sclerodermus Wasp	I	Hawaii (U.S.A.)
Family Mutillidae			
<i>Myrmosula pacifica</i>	Antioch Mutillid Wasp	I	U.S.A.
Family Formicidae			
<i>Anergates atratulus</i>	Sri Lankan Relict Ant	I	F.R.G., Switzerland, U.K.
<i>Aneuretus simoni</i>	Caucasian Relict Ant	K	Sri Lanka
<i>Aulacopone relicta</i>		K	Azerbaijan (U.S.S.R.)
<i>Camponotus aethiops</i>		I	F.R.G.
<i>Camponotus dalmaticus</i>		I	Switzerland
<i>Camponotus fallax</i>		I	F.R.G.
<i>Camponotus universitatis</i>		I	F.R.G., France
<i>Epimyrma groesswaldi</i>		I	Europe
<i>Epimyrma ravouxi</i>	Ravoux's Slavemaker Ant	R	Central & Southern Europe
<i>Formica aquilonia</i>		V	F.R.G.
<i>Formica lugubris</i>	European Red Wood Ant	V	F.R.G., Italy
<i>Formica polyctena</i>	Red Wood Ant	V	F.R.G., Italy
<i>Formica rufa</i>	Black Bog Ant	V	Central Europe
<i>Formica transkaucasica</i>		I	Northern Europe

<i>Formica uralensis</i>				I	F.R.G., Switzerland
<i>Leptothorax goesswaldi</i>		Goesswald's Inquiline Ant		K	Switzerland
<i>Myrmica bibikoffi</i>				I	Switzerland
<i>Myrmica slovaca</i>				I	Switzerland
<i>Nothomyrmecia macrops</i>		Australian Ant		K	Australia
<i>Polyergus rufescens</i>				I	F.R.G.
Family Vespidae					
<i>Odynerus niuhauensis</i>		Niuhau Vespid Wasp		E	Hawaii (U.S.A.)
<i>Odynerus soror</i>		Soror Vespid Wasp		E	Hawaii (U.S.A.)
Family Sphecidae					
<i>Deinomimesa hawaiiensis</i>		Hawaiian Sphecid Wasp		E	Hawaii (U.S.A.)
<i>Deinomimesa punae</i>		Puna Sphecid Wasp		E	Hawaii (U.S.A.)
<i>Ectemnius curtipes</i>		Short-foot Sphecid Wasp		E	Hawaii (U.S.A.)
<i>Ectemnius fulvicrus</i>		Brown Cross Sphecid Wasp		E	Hawaii (U.S.A.)
<i>Ectemnius giffardi</i>		Giffard's Sphecid Wasp		E	Hawaii (U.S.A.)
<i>Ectemnius haleakalae</i>		Haleakala Sphecid Wasp		E	Hawaii (U.S.A.)
<i>Ectemnius nesocrabo bidecoratus</i>		Bidecoratus Sphecid Wasp		I	Hawaii (U.S.A.)
<i>Eucerceris ruficeps</i>		Redheaded Sphecid Wasp		I	U.S.A.
<i>Nesomimesa kauaiensis</i>		Kauai Sphecid Wasp		E	Hawaii (U.S.A.)
<i>Nesomimesa perkins</i>				E	Hawaii (U.S.A.)
<i>Nesomimesa sciopteryx</i>		Shade-winged Sphecid Wasp		E	Hawaii (U.S.A.)
<i>Philanthus nasalis</i>		Antioch Sphecid Wasp		I	U.S.A.
Family Colletidae					
<i>Nesoprotopis</i> (57 species)		Yellow-faced Bee		T	Hnawaii (U.S.A.)
Family Andrenidae					
<i>Perdita hirticeps luteocincta</i>		Yellow Banded Andrenid Bee		I	U.S.A.
<i>Perdita scitula antiochensis</i>		Antioch Andrenid Bee		I	U.S.A.

Family Megachilidae
Chalicodoma pluto

Wallace's Giant Bee

K Moluccas (Indonesia)

Class ONYCHOPHORA

Phylum ONYCHOPHORA

Order ONYCHOPHORA
Family Peripatidae

Family Peripatosidae
Dendy (3 species)
Euperipatoides sp. "*leuckarti*"
Ooperipatellus insignis

Peripatus (10 genera)

Peripatus (12 genera)

V Equatorial Tropics

V Southern Hemisphere
I Tasmania
I Tasmania
I Tasmania

Class ECHINOIDA

Order ECHINOIDA
Family Echinidae
Echinus esculentus
Paracentrotus lividus

Phylum ECHINODERMATA

European Edible Sea Urchin
Purple Urchin

K North-east Atlantic
CT North-east Atlantic, Mediterranean

INDEX

- Acalyphes* 174
Acanthaclisis 149
Acanthaeshna 139
Acanthanura 135
Acanthis 70
Acanthochelys 73
Acanthodrilidae 125
Acanthometropus 135
Acanthorutilus 86
Acauidae 119
Accipiter 35
Accipitridae 34
Acerodon 6
Aceros 52
Acestrura 51
Achatinella 116
Achatinellidae 116
Aciagrion 137
Aciculidae 115
Acinonyx 23
Acipenser 85
Acipenseridae 85
Acipenseriformes 85
Acneus 154
Acraea 174
Acraeidae 174
Acrantophis 79
Acrididae 144
Acrocephalus 62
Acroceridae 158
Acrolophitus 144
Actenoides 51
Actinaria 106
Addax 27
Adelocosa 127
Adrianichthyidae 99
Adrianichthys 99
Aegialia 152
Aegyptius 35
Aepyceros 27
Aepypodius 36
Aerodramus 49
Aeschrithmysus 155
Aeshna 139
Aeshnidae 139
Aethiothemis 141
Aethopyga 65
Afropavo 38
Agabus 150
Agamidae 76
Agapetus 159
Agapornis 46
Agarodes 161
Agelaius 69
Agelastes 38
Aglaeactis 50
Aglycyderidae 156
Agonum 149
Agriocharis 37
Agriornis 56
Agrotis 175
Ailuropoda 21
Ailurus 21
Aix 34
Alabamaubria 154
Alaena 167
Alasmidonta 108
Alauda 57
Alaudidae 57
Alcedinidae 51
Alcedo 51
Alcelaphus 28
Alcidae 42
Alcippe 61
Alethe 60
Alionycteris 6
Allanaspides 128
Allenopithecus 11
Alligator 80
Alligatoridae 80
Allocebus 8
Allocranonyx 130
Alloperla 145
Allorhizucha 141
Allotoca 97
Aloeides 167
Alouatta 10
Alytes 83
Amandava 70
Amanipodagrion 137
Amastridae 118
Amauris 169
Amaurocichla 63
Amauornis 40
Amaurospiza 67
Amazilia 50
Amazons 47
Amazona 47
Amber snail 119
Ambloplites 101
Amblyopsidae 95
Amblyopsis 95
Amblyornis 71
Amblyrhynchus 773
Amblysomus 4
Ambrysus 146
Ambystoma 81
Ambystomatidae 81
Ameca 97
Ameiva 78
Ameletus 135
Ammocrypta 102
Ammodorcas 28
Ammonitella 121
Ammonitellidae 121
Ammopelmatus 142
Ammotragus 28
Amnicola 112
Ampelion 55
Amphibia 81
Amphipoda 130
Amphipterygidae 136
Amphipteryx 136
Amychus 154
Amytornis 63
Anabantidae 105
Anaea 172
Anagotus 156
Anairetes 56
Anas 34
Anaspidacea 128
Anaspidae 128
Anaspides 128
Anatidae 33
Ancylastrum 116
Andrenidae 177
Andrias 81
Androdon 50
Anectothemis 141
Anergates 176
Anetia 169
Aneuretus 176
Anguidae 76
Anguispira 120
Anhimidae 33
Aniliidae 78
Annamemys 74
Annelida 124
Anniella 76
Anniellidae 76
Anobiidae 155
Anodorhynchus 46
Anoglypta 119
Anolis 77
Anomala 152
Anomochilus 78
Anoplura 146
Anostraca 128
Anser 34
Anseriformes 33
Antanartia 172
Antbirds 54
Anteaters 14
Antechinus 2
Antelopes 28
Anthicidae 155
Anthicus 155
Anthipathidae 106
Anthracoceros 52
Anthreptes 65
Anthus 58
Antilocapra 27
Antilocapridae 27
Antipatharia 106
Antipodia 163
Antipodochlora 141
Antipodogomphus 139
Antiponemertes 107
Antrolana 129
Ants 176
Anulirus 133
Anura 83
Anonyx 21
Apalis 62
Apalopteron 66
Apatalestea 158
Apatania 160
Apaturopsis 172
Apella 115
Apes 13
Aphaostracon 112
Aphelocephala 63
Aphididae 148
Aphodius 152
Aphrastura 53
Apiocertidae 158
Aplocheilidae 95
Aplodontia 15
Aplodontidae 15
Aplonis 71
Aplothorax 149
Apodemia 172
Apodidae 49
Apodiformes 49
Appalachia 144
Aproteles 6
Apterocyclus 152
Apteromantis 142
Apteropanorpa 157
Apterygidae 30
Apterygiformes 30
Apteryx 30
Apus 50
Aquila 36
Ara 46
Arachnida 126

<i>Arachnocampa</i> 158	<i>Astrapia</i> 72	<i>Batagur</i> 74	<i>Brachythemis</i> 141
<i>Aramidopsis</i> 40	<i>Astyanax</i> 92	<i>Bathmocercus</i> 62	<i>Bradypodidae</i> 14
<i>Araneae</i> 126	<i>Ataeniobius</i> 97	<i>Batis</i> 63	<i>Bradypodion</i> 76
<i>Araneidae</i> 127	<i>Ataenius</i> 152	<i>Batomys</i> 17	<i>Bradypterus</i> 62
<i>Arapaima</i> 86	<i>Atelerix</i> 4	<i>Batrachophrynus</i> 83	<i>Bradypus</i> 14
<i>Aratinga</i> 46	<i>Ateles</i> 10	<i>Batrachoseps</i> 82	<i>Branchinecta</i> 128
<i>Arborophila</i> 37	<i>Atelornis</i> 51	<i>Batrachostomus</i> 49	<i>Branchinectidae</i> 128
<i>Archaeogastropoda</i> 111	<i>Athearni</i> 115	<i>Batrachuperus</i> 82	<i>Branta</i> 34
<i>Archaeophylax</i> 160	<i>Athene</i> 49	<i>Bats</i> 6	<i>Brennania</i> 158
<i>Archipetalia</i> 140	<i>Atherinidae</i> 99	<i>Battus</i> 164	<i>Brotogeris</i> 46
<i>Archon</i> 164	<i>Atheriniformes</i> 99	<i>Bdeogale</i> 22	<i>Bryania</i> 159
<i>Arctocebus</i> 10	<i>Atlantisia</i> 40	<i>Bears</i> 21	<i>Brychius</i> 150
<i>Arctocephalus</i> 24	<i>Atlapetes</i> 67	<i>Bees</i> 177	<i>Bubalus</i> 27
<i>Arctogalidia</i> 22	<i>Atractelmis</i> 153	<i>Behningiidae</i> 136	<i>Bubo</i> 48
<i>Ardea</i> 32	<i>Atrichornis</i> 57	<i>Belastomatidae</i> 146	<i>Bucerotidae</i> 52
<i>Ardeidae</i> 32	<i>Atrichornithidae</i> 57	<i>Belenois</i> 166	<i>Budorcas</i> 29
<i>Ardeotis</i> 41	<i>Atrophaneura</i> 164	<i>Belgrandiella</i> 112	<i>Bufo</i> 83
<i>Arganiella</i> 112	<i>Atyidae</i> 132	<i>Belocephalus</i> 143	<i>Bufonidae</i> 83
<i>Argiagrion</i> 137	<i>Augastes</i> 50	<i>Beloneuria</i> 145	<i>Bugermanus</i> 39
<i>Argiocnemis</i> 137	<i>Aulacopone</i> 176	<i>Beloniformes</i> 99	<i>Bulimulidae</i> 119
<i>Argonemertes</i> 107	<i>Aulacorhynchus</i> 52	<i>Belontia</i> 105	<i>Bulimulus</i> 119
<i>Argyresthia</i> 162	<i>Aulopyge</i> 86	<i>Belontiidae</i> 105	<i>Bunolagus</i> 14
<i>Argyresthiidae</i> 162	<i>Austrocordulia</i> 141	<i>Belostoma</i> 146	<i>Buntings</i> 66
<i>Argyrocupha</i> 167	<i>Austroglanis</i> 93	<i>Bethylidae</i> 176	<i>Buprestidae</i> 153
<i>Arhynchobdellae</i> 124	<i>Austropotamobius</i> 132	<i>Bettongia</i> 1	<i>Buprestis</i> 153
<i>Arigomphus</i> 139	<i>Automolus</i> 54	<i>Bhutanitis</i> 164	<i>Burmagomphus</i> 139
<i>Arionidae</i> 120	<i>Avahi</i> 9	<i>Biatas</i> 54	<i>Bush Cricket</i> 143
<i>Arkansia</i> 108	<i>Avenionia</i> 112	<i>Binneya</i> 120	<i>Bushbirds</i> 54
<i>Armadillidae</i> 129	<i>Aves</i> 30	<i>Birds of Paradise</i> 69	<i>Bustards</i> 41
<i>Armadillos</i> 14	<i>Awaous</i> 104	<i>Birdwings</i> 165	<i>Buteo</i> 35
<i>Armatobalanus</i> 128	<i>Axis</i> 26	<i>Birgus</i> 133	<i>Buthraupis</i> 67
<i>Artemidae</i> 132	<i>Aythya</i> 34	<i>Bison</i> 27	<i>Butterflies</i> 166
<i>Artermia</i> 132	<i>Babyrousa</i> 25	<i>Bivalvia</i> 107	<i>Bythinella</i> 112
<i>Arteropanaxorpidae</i> 157	<i>Baetica</i> 143	<i>Blastocerus</i> 26	<i>Bythiospeum</i> 112
<i>Arthropoda</i> 126	<i>Baetidae</i> 135	<i>Blattaria</i> 142	<i>Cacajao</i> 10
<i>Artiodactyla</i> 25	<i>Bagridae</i> 93	<i>Blattidae</i> 142	<i>Cacatua</i> 45
<i>Artogeia</i> 166	<i>Balaena</i> 20	<i>Blepharoceridae</i> 158	<i>Cacatuidae</i> 45
<i>Arubolana</i> 129	<i>Balaeniceps</i> 33	<i>Blindcats</i> 93	<i>Cacicus</i> 69
<i>Arvicolidae</i> 17	<i>Balaenicipitidae</i> 33	<i>Blister Beetles</i> 155	<i>Caconemobius</i> 143
<i>Asaphomyia</i> 158	<i>Balaenidae</i> 20	<i>Boas</i> 79	<i>Caecidotea</i> 129
<i>Asauridae</i> 127	<i>Balaenoptera</i> 20	<i>Boidae</i> 79	<i>Caecobarbus</i> 87
<i>Ascalaphidae</i> 149	<i>Balaenopteridae</i> 20	<i>Bolborhynchus</i> 46	<i>Caecocypris</i> 87
<i>Asellidae</i> 129	<i>Balanidae</i> 128	<i>Boloria</i> 172	<i>Caenidae</i> 136
<i>Ashmunella</i> 121	<i>Balantiocheilus</i> 86	<i>Bolyeria</i> 79	<i>Caiman</i> 80
<i>Asilidae</i> 158	<i>Balanus</i> 128	<i>Bos</i> 27	<i>Caimans</i> 80
<i>Aspiduchus</i> 142	<i>Balea</i> 119	<i>Bostrychia</i> 33	<i>Cairina</i> 34
<i>Asses</i> 25	<i>Balitoridae</i> 90	<i>Bothrops</i> 80	<i>Calidris</i> 42
<i>Assimineae</i> 114	<i>Banksula</i> 127	<i>Bovidae</i> 27	<i>Callaeas</i> 71
<i>Assimineidae</i> 114	<i>Banza</i> 143	<i>Brachyaspis</i> 80	<i>Callaeidae</i> 71
<i>Astacidae</i> 132	<i>Barbus</i> 86	<i>Brachycercus</i> 136	<i>Callagur</i> 74
<i>Astacoides</i> 132	<i>Barkudia</i> 78	<i>Brachylophus</i> 77	<i>Callicebus</i> 10
<i>Astacopsis</i> 132	<i>Baronia</i> 164	<i>Brachypelma</i> 126	<i>Callimico</i> 11
<i>Astacus</i> 132	<i>Basileuterus</i> 68	<i>Brachypteracias</i> 51	<i>Calliptamus</i> 144
<i>Astatotilapia</i> 103	<i>Basilornis</i> 71	<i>Brachypteraciidae</i> 51	<i>Callithrix</i> 11
<i>Asteiidae</i> 159	<i>Basommatophora</i> 116	<i>Brachypteryx</i> 59	<i>Callitrichidae</i> 11
<i>Asthenes</i> 53	<i>Bass</i> 101	<i>Brachyteles</i> 10	<i>Callophrys</i> 167

<i>Caloenas</i> 43	<i>Caseolus</i> 123	<i>Charadriidae</i> 41	<i>Cicadidae</i> 148
<i>Caloprymnus</i> 1	<i>Castor</i> 16	<i>Charadriiformes</i> 41	<i>Cichlasoma</i> 103
<i>Calopterygidae</i> 136	<i>Castoridae</i> 16	<i>Charadrius</i> 41	<i>Cichlidae</i> 103
<i>Calopteryx</i> 136	<i>Catabasis</i> 92	<i>Charaxes</i> 172	<i>Cicindela</i> 149
<i>Calosoma</i> 149	<i>Catagonus</i> 26	<i>Charina</i> 79	<i>Cicindelidae</i> 149
<i>Calypte</i> 51	<i>Catfish</i> 93	<i>Charmosyna</i> 45	<i>Ciconia</i> 33
<i>Calyptura</i> 55	<i>Catharopeza</i> 68	<i>Charonia</i> 116	<i>Ciconiidae</i> 33
<i>Camaenidae</i> 121	<i>Cathartidae</i> 34	<i>Chasmistes</i> 91	<i>Ciconiiformes</i> 32
<i>Camarhynchus</i> 67	<i>Catinella</i> 119	<i>Chauna</i> 33	<i>Ciliophora</i> 106
<i>Cambaridae</i> 133	<i>Catocala</i> 175	<i>Cheirogaleidae</i> 8	<i>Cinnannatia</i> 112
<i>Cambarus</i> 133	<i>Catostomidae</i> 91	<i>Chela</i> 87	<i>Cinclidae</i> 59
<i>Camelidae</i> 26	<i>Catostomus</i> 91	<i>Chelicerata</i> 126	<i>Cinclodes</i> 53
<i>Camels</i> 26	<i>Catreus</i> 38	<i>Chelidae</i> 73	<i>Cinclus</i> 59
<i>Camelus</i> 26	<i>Cats</i> 23	<i>Chelonia</i> 73	<i>Cinnyricinclus</i> 71
<i>Campellolebias</i> 97	<i>Cattle</i> 27	<i>Cheloniidae</i> 73	<i>Cirolanidae</i> 129
<i>Campephaga</i> 58	<i>Caudata</i> 81	<i>Chelydridae</i> 73	<i>Cisticola</i> 62
<i>Campephagidae</i> 58	<i>Cavaticovelia</i> 146	<i>Cherax</i> 132	<i>Cistoclemys</i> 74
<i>Campephilus</i> 53	<i>Cavefish</i> 95	<i>Chersodromia</i> 158	<i>Cistothorus</i> 59
<i>Camponotus</i> 176	<i>Cebidae</i> 10	<i>Chiloglanis</i> 93	<i>Civets</i> 22
<i>Campsicnemus</i> 158	<i>Celerio</i> 175	<i>Chilota</i> 125	<i>Cixiidae</i> 147
<i>Campylopterus</i> 50	<i>Centrarchidae</i> 101	<i>Chimpanzees</i> 13	<i>Clams</i> 111
<i>Canariella</i> 123	<i>Centropus</i> 48	<i>Chinchilla</i> 18	<i>Claravis</i> 43
<i>Canidae</i> 20	<i>Cephalaeschna</i> 139	<i>Chinchillidae</i> 18	<i>Clarias</i> 93
<i>Canis</i> 20	<i>Cephalaspidomorphi</i> 85	<i>Chioglossa</i> 82	<i>Clariidae</i> 93
<i>Canthyria</i> 108	<i>Cephalokompsus</i> 87	<i>Chiropotes</i> 10	<i>Clausiliidae</i> 119
<i>Capito</i> 52	<i>Cephalophus</i> 28	<i>Chiroptera</i> 6	<i>Clavicoccus</i> 148
<i>Capitonidae</i> 52	<i>Cephalopterus</i> 55	<i>Chirostoma</i> 99	<i>Clemmys</i> 74
<i>Capnia</i> 145	<i>Cephalorhynchus</i> 19	<i>Chlamydogobius</i> 104	<i>Clibanornis</i> 53
<i>Capniidae</i> 145	<i>Ceraclea</i> 161	<i>Chlamydotis</i> 41	<i>Click Beetles</i> 154
<i>Capra</i> 29	<i>Cerambycidae</i> 155	<i>Chlamyphorus</i> 14	<i>Clytactantes</i> 54
<i>Capricornis</i> 29	<i>Cerambyx</i> 155	<i>Chloaeltis</i> 144	<i>Clytorhynchus</i> 64
<i>Caprimulgidae</i> 49	<i>Ceratella</i> 136	<i>Chloebia</i> 70	<i>Cnemidophorus</i> 78
<i>Caprimulgiformes</i> 49	<i>Ceratophora</i> 76	<i>Chlorochrysa</i> 68	<i>Cnidaria</i> 106
<i>Caprimulgus</i> 49	<i>Ceratotherium</i> 25	<i>Chlorocichla</i> 58	<i>Coahuilix</i> 113
<i>Caprolagus</i> 14	<i>Ceratotriccus</i> 56	<i>Chlorolestes</i> 136	<i>Cobitidae</i> 90
<i>Capromyidae</i> 18	<i>Cercocebus</i> 11	<i>Chlorolestidae</i> 136	<i>Cobras</i> 80
<i>Capromys</i> 18	<i>Cercomacra</i> 54	<i>Chloroperlidae</i> 145	<i>Coccyzus</i> 47
<i>Capys</i> 167	<i>Cercopithecidae</i> 11	<i>Chloropeta</i> 62	<i>Cochlicopidae</i> 117
<i>Carabidae</i> 149	<i>Cercopithecus</i> 11	<i>Chlorospingus</i> 67	<i>Cochliopa</i> 113
<i>Carabus</i> 149	<i>Cercyonis</i> 172	<i>Chlorotalpa</i> 4	<i>Cochliopina</i> 113
<i>Carcharodon</i> 85	<i>Ceriagrion</i> 137	<i>Choeropsis</i> 26	<i>Cochoa</i> 60
<i>Carcinoscorpius</i> 126	<i>Ceriferella</i> 148	<i>Chondrichthyes</i> 85	<i>Cochylidae</i> 163
<i>Carduelis</i> 70	<i>Cervidae</i> 26	<i>Chondrina</i> 118	<i>Cockatoos</i> 45
<i>Carelia</i> 118	<i>Cervus</i> 26	<i>Chondrinidae</i> 118	<i>Coelacanthiformes</i> 85
<i>Caretta</i> 73	<i>Cesonia</i> 127	<i>Chordata</i> 1	<i>Coeligena</i> 50
<i>Carettochelyidae</i> 73	<i>Cetacea</i> 19	<i>Chrotogale</i> 22	<i>Coelus</i> 155
<i>Carettochelys</i> 73	<i>Cetorhinus</i> 85	<i>Chrysochloridae</i> 4	<i>Coenagrion</i> 137
<i>Carnivora</i> 20	<i>Chaeropus</i> 2	<i>Chrysochloris</i> 4	<i>Coenagrionidae</i> 137
<i>Carolella</i> 163	<i>Chaetarthria</i> 151	<i>Chrysococcyx</i> 47	<i>Coenobitidae</i> 133
<i>Carpococcyx</i> 48	<i>Chaetomys</i> 18	<i>Chrysocyon</i> 20	<i>Coenocorypha</i> 42
<i>Carpodectes</i> 55	<i>Chaetornis</i> 63	<i>Chrysolophus</i> 38	<i>Coenonympha</i> 171
<i>Carpornis</i> 55	<i>Chalicodoma</i> 178	<i>Chrysomelidae</i> 156	<i>Colaptes</i> 52
<i>Carposinidae</i> 162	<i>Chamaeleontidae</i> 76	<i>Chrysoritis</i> 167	<i>Coleophora</i> 162
<i>Carterocephalus</i> 163	<i>Characidae</i> 92	<i>Chrysopalax</i> 4	<i>Coleophoridae</i> 162
<i>Carunculina</i> 108	<i>Characiformes</i> 92	<i>Chub</i> 87	<i>Coleoptera</i> 149
<i>Casarea</i> 79	<i>Characodon</i> 97	<i>Cicadellidae</i> 148	<i>Coleura</i> 7

<i>Collembola</i> 135	<i>Crangonyctidae</i> 130	<i>Cycloptilum</i> 143	<i>Dermaptera</i> 144
<i>Colletidae</i> 177	<i>Crangonyx</i> 130	<i>Cyclura</i> 77	<i>Dermatemyidae</i> 73
<i>Colobus</i> 12	<i>Craseonycteridae</i> 7	<i>Cyclorius</i> 167	<i>Dermatemys</i> 73
<i>Coluber</i> 79	<i>Craseonycteris</i> 7	<i>Cylloepus</i> 153	<i>Dermochelyidae</i> 73
<i>Colubridae</i> 79	<i>Crax</i> 37	<i>Cymatidae</i> 116	<i>Dermochelys</i> 73
<i>Columba</i> 43	<i>Crayfish</i> 132	<i>Cymbiodyta</i> 151	<i>Dermogenys</i> 99
<i>Columbidae</i> 43	<i>Creadion</i> 71	<i>Cymothoe</i> 172	<i>Desmana</i> 4
<i>Columbiformes</i> 43	<i>Crenichthys</i> 97	<i>Cynogale</i> 22	<i>Desmocerus</i> 155
<i>Columbina</i> 43	<i>Crex</i> 40	<i>Cynolebias</i> 96	<i>Desmopachria</i> 150
<i>Conch</i> 115	<i>Cricetidae</i> 16	<i>Cynomys</i> 15	<i>Deudorix</i> 167
<i>Condors</i> 34	<i>Crickets</i> 142	<i>Cyornis</i> 63	<i>Diaphlebia</i> 139
<i>Conepatus</i> 21	<i>Criniger</i> 58	<i>Cyprinella</i> 87	<i>Diastole</i> 120
<i>Congothemis</i> 141	<i>Crocias</i> 61	<i>Cyprinidae</i> 86	<i>Dicaeidae</i> 65
<i>Conilurus</i> 17	<i>Crocidura</i> 4	<i>Cypriniformes</i> 86	<i>Dicaeum</i> 65
<i>Conirostrum</i> 68	<i>Crocodyles</i> 81	<i>Cyprinodon</i> 98	<i>Diceros</i> 25
<i>Conocephaloides</i> 143	<i>Crocodylia</i> 80	<i>Cyprinodontidae</i> 97	<i>Dicranopselaphus</i> 154
<i>Conolophus</i> 77	<i>Crocodylidae</i> 81	<i>Cyprinodontiformes</i> 95	<i>Dicruridae</i> 71
<i>Conopophaga</i> 55	<i>Crocodylus</i> 81	<i>Cyprogenia</i> 108	<i>Dicrurus</i> 71
<i>Conopophagidae</i> 55	<i>Croilia</i> 104	<i>Cypseloides</i> 49	<i>Didermocerus</i> 25
<i>Conothraupis</i> 67	<i>Crossidius</i> 155	<i>Cyrnotheba</i> 123	<i>Didunculus</i> 44
<i>Conradilla</i> 108	<i>Crossleyia</i> 61	<i>Cyrtonaias</i> 108	<i>Diglossa</i> 68
<i>Conraua</i> 84	<i>Crossoptilon</i> 38	<i>Cyrtopeltis</i> 146	<i>Dinomyidae</i> 18
<i>Coots</i> 40	<i>Crotalus</i> 80	<i>Dace</i> 87	<i>Dinomys</i> 18
<i>Cophura</i> 158	<i>Crows</i> 72	<i>Dacnis</i> 68	<i>Diomedea</i> 31
<i>Copris</i> 152	<i>Crustacea</i> 128	<i>Daihinibaenetes</i> 143	<i>Diomedeidae</i> 31
<i>Copsychus</i> 60	<i>Crypsirina</i> 72	<i>Dalla</i> 163	<i>Dionda</i> 87
<i>Coraciiformes</i> 51	<i>Cryptazeca</i> 117	<i>Dama</i> 27	<i>Diplomystes</i> 92
<i>Coracina</i> 58	<i>Cryptobranchidae</i> 81	<i>Damaliscus</i> 28	<i>Diplomystidae</i> 92
<i>Coralliidae</i> 106	<i>Cryptochia</i> 160	<i>Damselflies</i> 137	<i>Diplostrema</i> 125
<i>Corallium</i> 106	<i>Cryptochloris</i> 4	<i>Danaidae</i> 169	<i>Dipluridae</i> 126
<i>Corals</i> 106	<i>Cryptoprocta</i> 22	<i>Danaus</i> 169	<i>Dipodomys</i> 15
<i>Corambidae</i> 107	<i>Crypturellus</i> 30	<i>Darters</i> 102	<i>Diptera</i> 157
<i>Cordulegaster</i> 140	<i>Ctenizidae</i> 126	<i>Dassie</i> 24	<i>Dirce</i> 174
<i>Cordulegasteridae</i> 140	<i>Ctenotus</i> 78	<i>Dasyornis</i> 63	<i>Discoglossidae</i> 83
<i>Corduliidae</i> 141	<i>Cualac</i> 98	<i>Dasypodidae</i> 14	<i>Discoglossus</i> 83
<i>Coregonus</i> 94	<i>Cuckoos</i> 47	<i>Dasyuridae</i> 2	<i>Discula</i> 123
<i>Coreobagrus</i> 93	<i>Cucujidae</i> 155	<i>Daubentonia</i> 10	<i>Discus</i> 120
<i>Cormorants</i> 32	<i>Cucujus</i> 155	<i>Daubentoniidae</i> 10	<i>Distoleon</i> 149
<i>Corncrakes</i> 40	<i>Cuculidae</i> 47	<i>Decapoda</i> 132	<i>Diving Beetles</i> 151
<i>Cornigomphus</i> 139	<i>Cuculiformes</i> 47	<i>Deer</i> 26	<i>Dobsonia</i> 6
<i>Corvidae</i> 72	<i>Culicivora</i> 56	<i>Deinacrida</i> 142	<i>Dogs</i> 20
<i>Corvus</i> 72	<i>Cumberlandia</i> 111	<i>Deinocossionus</i> 156	<i>Dolania</i> 136
<i>Coryphaspiza</i> 67	<i>Cuon</i> 20	<i>Deinomimesa</i> 177	<i>Doleschallia</i> 173
<i>Cossypha</i> 60	<i>Cuora</i> 74	<i>Deloneura</i> 167	<i>Dolichopodidae</i> 158
<i>Cotinga</i> 55	<i>Curaeus</i> 69	<i>Delphacidae</i> 147	<i>Dolomedes</i> 127
<i>Cotingidae</i> 55	<i>Curculionidae</i> 156	<i>Delphinapterus</i> 19	<i>Dolophilodes</i> 160
<i>Cottidae</i> 101	<i>Curlews</i> 42	<i>Delphinidae</i> 19	<i>Dolphins</i> 19
<i>Cottus</i> 101	<i>Cuscus</i> 1	<i>Deltistes</i> 91	<i>Donacia</i> 156
<i>Coturnicops</i> 40	<i>Cyanocorax</i> 72	<i>Dendrocolaptidae</i> 53	<i>Dorcatragus</i> 28
<i>Coua</i> 48	<i>Cyanolimnas</i> 40	<i>Dendrocygna</i> 33	<i>Dorcopsis</i> 1
<i>Coucal</i> 48	<i>Cyanolyca</i> 72	<i>Dendrohyrax</i> 24	<i>Dorcopsulus</i> 1
<i>Coxiella</i> 113	<i>Cyanopsitta</i> 46	<i>Dendroica</i> 68	<i>Dorcus</i> 152
<i>Crabs</i> 126	<i>Cyanoramphus</i> 45	<i>Dendrolagus</i> 1	<i>Doridella</i> 107
<i>Cracidae</i> 36	<i>Cycleptus</i> 91	<i>Dendroleon</i> 149	<i>Doves</i> 43
<i>Crakes</i> 40	<i>Cyclocephala</i> 152	<i>Dendrortyx</i> 37	<i>Dragonflies</i> 139
<i>Cranes</i> 39	<i>Cyclocosmia</i> 126	<i>Dendy</i> 178	<i>Drepanididae</i> 69

<i>Drepanoptila</i> 44	<i>Electron</i> 51	<i>Eriocnemis</i> 50	Falcons 36
<i>Dreptes</i> 65	<i>Eleothreptus</i> 49	<i>Eriogaster</i> 175	Fantails 64
<i>Dromus</i> 108	<i>Eleotrididae</i> 104	<i>Erithacus</i> 60	<i>Farula</i> 160
<i>Drosophila</i> 159	<i>Eleotris</i> 104	<i>Erithizontidae</i> 18	<i>Felexamia</i> 148
<i>Drosophilidae</i> 159	<i>Elephantidae</i> 24	<i>Erpetogomphus</i> 139	<i>Felidae</i> 23
<i>Drymarchon</i> 79	Elephants 24	<i>Erymnochelys</i> 75	<i>Felis</i> 23
<i>Dryobius</i> 155	<i>Elephas</i> 24	<i>Erythroecia</i> 175	<i>Fennecus</i> 20
<i>Dryocichloides</i> 60	<i>Eleuthemis</i> 141	<i>Erythrura</i> 70	<i>Ferminia</i> 59
<i>Dryococelus</i> 144	<i>Eleutherodactylus</i> 84	<i>Estrilda</i> 70	Ferret 22
<i>Dryocopus</i> 53	<i>Elimia</i> 115	<i>Estrildidae</i> 70	<i>Ficedula</i> 63
<i>Dryolimnas</i> 40	<i>Elliptio</i> 108	<i>Etheostoma</i> 102	Finches 66
<i>Dryophthorus</i> 156	<i>Elmidae</i> 153	<i>Eubalaena</i> 20	Fireflies 154
<i>Dryotribus</i> 156	<i>Elona</i> 124	<i>Eucerceris</i> 177	<i>Fisherola</i> 116
<i>Dubiraphia</i> 153	<i>Elonidae</i> 124	<i>Euchloe</i> 166	<i>Fissuria</i> 113
Ducks 33	<i>Emballonura</i> 7	<i>Eucnemidae</i> 154	Flamingos 33
<i>Ducula</i> 44	<i>Emballonuridae</i> 7	<i>Eucrenonaspides</i> 128	<i>Fletcherana</i> 174
<i>Dugong</i> 24	<i>Emberiza</i> 66	<i>Eucyclogobius</i> 104	Flies 158
<i>Dugongidae</i> 24	<i>Emberizidae</i> 66	<i>Eulidia</i> 51	<i>Fluminicola</i> 113
Dune Beetles	<i>Embiotocidae</i> 104	<i>Eulonchus</i> 158	Flying Foxes 6
<i>Durangonella</i> 113	<i>Empetrichthys</i> 97	<i>Eumaeus</i> 167	<i>Fontelicella</i> 113
<i>Durbania</i> 167	<i>Empicoris</i> 146	<i>Eumastacidae</i> 144	<i>Formica</i> 176
<i>Dusicyon</i> 20	<i>Empididae</i> 158	<i>Eumorsea</i> 144	<i>Formicariidae</i> 54
<i>Dyacopterus</i> 6	<i>Empidonax</i> 56	<i>Eunice</i> 124	<i>Formicarius</i> 54
<i>Dynastes</i> 152	<i>Emydidae</i> 74	<i>Eunicella</i> 106	<i>Formicidae</i> 176
<i>Dysticheus</i> 156	<i>Enallagma</i> 137	<i>Eunicida</i> 124	<i>Formicivora</i> 54
<i>Dytiscidae</i> 150	<i>Endodontidae</i> 120	<i>Eunicidae</i> 124	<i>Fossa</i> 22
<i>Dytiscus</i> 150	<i>Engaewa</i> 133	<i>Eupelmidae</i> 176	<i>Foudia</i> 71
Eagles 35	<i>Enidae</i> 118	<i>Eupelmus</i> 176	Foxes 20
<i>Eanus</i> 154	<i>Enopla</i> 107	<i>Euperipatoides</i> 178	Francolins 37
Earthworms 125	<i>Eopenthes</i> 154	<i>Eupherusa</i> 50	<i>Francolinus</i> 37
Earwigs 144	<i>Eos</i> 44	<i>Euphonia</i> 68	<i>Fregata</i> 32
<i>Ecchlorolestes</i> 137	<i>Epargyreus</i> 163	<i>Euphydryas</i> 173	<i>Fregatidae</i> 32
<i>Ecclisomyia</i> 160	<i>Ephemera</i> 136	<i>Eupleres</i> 22	Frigatebirds 32
<i>Echidnas</i> 1	<i>Ephemerella</i> 136	<i>Euploea</i> 169	<i>Fringilla</i> 70
<i>Echinidae</i> 178	<i>Ephemerellidae</i> 136	<i>Euproserpinus</i> 175	<i>Fringillidae</i> 70
<i>Echinodermata</i> 178	<i>Ephemeridae</i> 136	<i>Euptilotis</i> 51	Frogs 83
<i>Echinodillo</i> 129	<i>Ephemeroptera</i> 135	<i>Eurostopodus</i> 49	Fruit Bats 6
<i>Echinoida</i> 178	<i>Ephydriidae</i> 159	<i>Eurycea</i> 82	<i>Fulica</i> 40
<i>Echinus</i> 178	<i>Epicrates</i> 79	<i>Eurylaimidae</i> 53	<i>Fundulidae</i> 96
<i>Echymipera</i> 2	<i>Epigomphus</i> 139	<i>Eurynorhynchus</i> 42	<i>Fundulus</i> 96
<i>Economidichthys</i> 104	<i>Epimachus</i> 72	<i>Euryphura</i> 173	<i>Furnariidae</i> 53
<i>Ectemnius</i> 177	<i>Epimyrma</i> 176	<i>Eurytides</i> 164	<i>Fusconaia</i> 109
<i>Ectodemia</i> 162	<i>Epioblasma</i> 108	<i>Euscheman</i> 163	<i>Galago</i> 10
<i>Edentata</i> 14	<i>Epiophlebia</i> 139	<i>Eusthenia</i> 145	<i>Galaxias</i> 94
<i>Edwardsiidae</i> 106	<i>Epiophlebiidae</i> 139	<i>Eustheniidae</i> 145	<i>Galaxiidae</i> 94
<i>Edwardsina</i> 158	<i>Equidae</i> 25	<i>Eutamias</i> 15	<i>Galbulidae</i> 52
<i>Efferia</i> 158	<i>Equus</i> 25	<i>Euthalia</i> 173	<i>Galemys</i> 4
Egrets 32	<i>Erebia</i> 171	<i>Eutrichomyias</i> 64	<i>Galidictis</i> 22
<i>Egretta</i> 32	<i>Eremichthys</i> 87	<i>Eutriorchis</i> 35	<i>Gallicolumba</i> 43
<i>Eidoleon</i> 149	<i>Eremitalpa</i> 4	<i>Euxanthe</i> 173	<i>Galliformes</i> 36
<i>Elachistodon</i> 79	<i>Eremomela</i> 63	<i>Evarra</i> 87	<i>Gallinago</i> 42
<i>Elaphrus</i> 149	<i>Eresidae</i> 126	<i>Everes</i> 167	<i>Gallinula</i> 40
<i>Elaphurus</i> 27	<i>Eresus</i> 126	<i>Fabriciana</i> 173	<i>Gallirallus</i> 40
<i>Elapidae</i> 80	<i>Eretmochelys</i> 73	<i>Falco</i> 36	<i>Gallotia</i> 78
<i>Elassoma</i> 101	<i>Erikssonina</i> 167	<i>Falconidae</i> 36	<i>Gambelia</i> 77
<i>Elateridae</i> 154	<i>Erinaceidae</i> 4	<i>Falconiformes</i> 34	<i>Gambusia</i> 96

- Gammaridae* 132
Gammarus 132
Garra 87
Garrulax 61
Garter Snakes 79
Gasterosteidae 100
Gasterosteiformes 100
Gasterosteus 100
Gastropoda 111
Gavialidae 81
Gavialis 81
Gazella 28
Gazelles 28
Geckos 77
Geese 34
Gekkonidae 77
Gelechiidae 162
Genetta 22
Geocapromys 18
Geochelone 75
Geoclemys 74
Geoemyda 74
Geogale 3
Geomalacus 120
Geometridae 174
Geomitra 123
Geomyidae 15
Geonemertes 107
Geopsittacus 45
Geothlypis 68
Geotrupidae 152
Geotrygon 43
Geronticus 33
Gerrhonotus 76
Gerygone 63
Gharials 81
Gibbons 13
Gila 87
Girardinichthys 97
Glaciacavicola 151
Glacidorbis 113
Glareolidae 41
Glaresis 152
Glaucidium 48
Glaucis 50
Glaucomys 15
Glaucopsyche 167
Glischropus 8
Glossogobius 104
Glossosomatidae 159
Glyphopsyche 160
Glyphyalinia 120
Gnaphosidae 127
Gnophos 174
Gobiidae 104
Goby 104
Gomphidae 139
Gomphurus 139
Gomphus 139
Gongylomorphus 78
Goniobasis 115
Goodea 97
Goodeidae 97
Goodeids 97
Gopherus 75
Gorgonacea 106
Gorilla 13
Gorillas 13
Gorsachius 32
Goura 44
Gracillariidae 162
Graellsia 175
Grallaria 54
Grallaricula 55
Graphium 164
Graphoderus 150
Grapholitha 163
Graptomys 74
Grasshoppers 144
Grayling 94
Grebes 30
Gripopterygidae 145
Gronocarus 152
Ground Beetles 149
Gruidae 39
Gruiformes 39
Grus 39
Gryllidae 143
Grylloblatta 142
Grylloblattaria 142
Grylloblattidae 142
Gryllotalpa 143
Gryllotalpidae 143
Guans 36
Gubernatrix 67
Gulella 119
Gulls 42
Gulo 21
Gymnobelideus 2
Gymnocharacinus 92
Gymnocrex 40
Gymnocthebius 151
Gymnogyps 34
Gymnopholus 156
Gymnosomata 107
Gyps 35
Gyrinidae 151
Habia 67
Habroptila 40
Hadramphus 156
Haematopinidae 146
Haematopinus 146
Haematopodidae 41
Haematopus 41
Haideoporus 150
Halcyon 51
Haliaeetus 35
Haliplidae 150
Haliplus 150
Haloniscus 130
Hansonoperla 145
Hapalemur 9
Hapalopsittaca 47
haplochromine 104
Haplophaedia 50
Haplotaxida 125
Hares 14
Harpia 35
Harpyhaliaetus 35
Harpyopsis 35
Hauffenia 113
Hawks 35
Hedylepta 174
Helarctos 21
Heleia 66
Heliangelus 50
Helicarionidae 120
Helicidae 123
Helicodiscus 120
Heliconius 173
Helicoverpa 175
Heliopais 40
Heliornithidae 40
Heliporacea 106
Helisoma 116
Helix 123
Helminthoglypta 122
Helminthoglyptidae 122
Heloderma 77
Helodermatidae 77
Hemerobiidae 149
Hemiargus 167
Hemicycla 124
Hemignathus 69
Hemiphlebia 137
Hemiphlebiidae 137
Hemiptera 146
Hemiramphidae 99
Hemistena 109
Hemitragus 29
Hemitremia 88
Hemitriccus 56
Henicopernis 34
Heosemys 74
Hepialidae 162
Heptageniidae 136
Hérons 32
Herpsilochmus 54
Hesperia 163
Hesperiidae 163
Hesperilla 163
Hetaerina 136
Heteragrion 137
Heteramphus 156
Heterelmis 153
Heterexis 156
Heterocleon 135
Heterocrossa 162
Heteromirafra 57
Heteromyidae 15
Heteronympha 173
Heterotrichida 106
Himantopus 41
Hippocamelus 27
Hippocampus 100
Hippopotamidae 26
Hippopus 111
Hipposideridae 7
Hipposideros 7
Hippotragus 28
Hirudinidae 124
Hirudinoidea 124
Hirudo 124
Hirundinidae 57
Hirundo 57
Holcobius 155
Homarus 134
Homoeoneuria 135
Homoptera 147
Homopus 75
Hoplocephalus 80
Hoplonemertea 107
Horaglanis 93
Hornbills 52
Horseshoe Crabs 126
Houbaropsis 41
Hubbsina 97
Hucho 95
Huleechius 153
Humblotia 63
Hummingbirds 50
Huso 86
Hutias 18
Hyaena 23
Hyaenidae 23
Hybognathus 88
Hybopsis 88
Hydraecia 175
Hydraena 151
Hydraenidae 151
Hydrobatidae 31
Hydrobia 113
Hydrobiidae 112
Hydrochara 151

- Hydrochous* 49
Hydrodamalis 24
Hydromantes 82
Hydrophiidae 80
Hydrophilidae 151
Hydroporus 150
Hydropotes 27
Hydroptila 160
Hydrosaurus 76
Hydrotilidae 160
Hygromiidae 123
Hygrotes 150
Hyla 83
Hyles 175
Hyliidae 83
Hylobates 13
Hylogomphus 139
Hylonympha 50
Hylorchilus 59
Hymenoptera 176
Hynobiidae 82
Hypena 175
Hyperoliidae 83
Hyperoodon 19
Hypnophila 117
Hypodryas 173
Hypolestes 137
Hypolimnas 173
Hypomesus 94
Hypopyrrhus 69
Hypothymis 64
Hypseleotris 104
Hypsipetes 58
Hyracoidea 24
Hyraxes 24
Hylliidae 111
Hysterocarpus 104
Ibises 33
Icaricia 167
Ictaluridae 92
Ictalurus 92
Icteridae 69
Icterus 69
Ictinogomphus 140
Idea 170
Ideopsis 170
Idioptilon 56
Idiostatus 143
Iguanas 77
Iguanidae 77
Iguanognathus 79
Incaspiza 67
Indicatoridae 52
Indotestudo 75
Indri 9
Indriidae 9
- Inia* 19
Insecta 135
Insectivora 3
Insulivitrina 121
Io 115
Iodopleura 55
Iotichthys 88
Iranocypris 88
Ischnura 137
Isomma 140
Isonychia 135
Isopoda 129
Isopods 129
Ithamar 147
Ithmamar 147
Ithonidae 148
Itodacnus 154
Jabouilleia 61
Jacamaralcyon 52
Jasus 133
Jays 72
Junco 66
Kachuga 74
Kalania 146
Kangaroos 1
Katechonemertes 107
Katydids 143
Kedestes 163
Kenkia 106
Kenkiidae 106
Kerivoula 8
Kestrels 36
Ketupa 48
Killifish 95
Kimminsoperla 144
Kingfishers 51
Kinosternidae 75
Kinosternon 75
Kites 34
Kiwaia 162
Kiwis 30
Knipowitschia 105
Kobus 28
Kokiriidae 161
Komarekiona 125
Komarekionidae 125
Konia 103
Koonunga 128
Koonungidae 128
Kosswigichthys 98
Kupea 174
Labeo 88
Labidura 144
Labiduridae 144
Lacertidae 78
Lagochila 92
- Lagomorpha* 14
Lagorchestes 1
Lagostrophus 1
Lagothrix 10
Laminifera 119
Lamnidae 85
Lamniformes 85
Lampra 85
Lampreys 85
Lampsilis 109
Lampyridae 154
Lancidae 116
Land Snails 118
Laniarius 58
Laniidae 58
Laniisoma 55
Lanius 59
Largemouth 103
Laridae 42
Larks 57
Larus 42
Lasiocampidae 175
Lasiiorhinus 2
Lasiurus 8
Lasmigona 110
Laterallus 40
Laticauda 80
Latidens 6
Latimeria 85
Latimeriidae 85
Leaf Bugs 146
Lednia 144
Leggadina 17
Leiodidae 151
Leiopelma 83
Leiopelmatidae 83
Leiostyla 118
Leipoa 36
Lemur 9
Lemuridae 9
Lentipes 105
Leonardina 61
Leontopithecus 11
Lepidocephalichthys 90
Lepidochelys 73
Lepidochrysops 167
Lepidomeda 88
Lepidoptera 162
Lepidopyga 50
Lepidostoma 161
Lepidostomatidae 161
Lepilemur 8
Lepomis 101
Leporidae 14
Leporillus 17
Leptasthenura 53
- Leptobotia* 90
Leptoceridae 161
Leptodactylidae 83
Leptodea 110
Leptodon 34
Leptogryllus 143
Leptonemertes 107
Leptonycteris 7
Leptoperla 145
Leptoptilos 33
Leptosittaca 46
Leptothorax 177
Leptotila 43
Leptoxis 115
Lepus 14
Lethe 171
Leto 162
Leucepeza 68
Leucopsar 71
Leucopternis 35
Leucorrhinia 141
Leuctra 145
Leuctridae 145
Lexingtonia 110
Libelloides 149
Libellula 141
Libellulidae 141
Libellulosoma 141
Liberiictis 22
Libythea 169
Libytheidae 169
Lice 146
Lichmera 66
Lichnanthe 153
Limacidae 120
Limnebius 151
Limnephilidae 160
Limnephilus 160
Limnodromus 42
Limnogale 3
Limulidae 126
Limulus 126
Linyphiidae 126
Liocichla 61
Lipaugus 55
Lipotes 19
Lirceus 129
Lithasia 115
Lithoglyphus 113
Lithophane 176
Litthabitella 113
Lizards 76
Lobsters 133
Loddigesia 51
Longhorn Beetles 155
Lophophorus 38

<i>Lophura</i> 38	<i>Malacochersus</i> 75	<i>Melanosuchus</i> 80	<i>Mimodes</i> 59
<i>Loriculus</i> 46	<i>Malacolimax</i> 120	<i>Melanotaenia</i> 100	<i>Minnows</i> 87
<i>Loriidae</i> 44	<i>Malaconotus</i> 59	<i>Melanotaeniidae</i> 100	<i>Mirafra</i> 57
<i>Lorisidae</i> 10	<i>Malimbus</i> 71	<i>Melidectes</i> 66	<i>Miridae</i> 146
<i>Lorius</i> 45	<i>Malpultta</i> 105	<i>Melignomon</i> 52	<i>Mirza</i> 8
<i>Loxioides</i> 69	<i>Malurus</i> 63	<i>Meliphaga</i> 66	<i>Mistichthys</i> 105
<i>Loxodonta</i> 24	<i>Mammalia</i> 1	<i>Meliphagidae</i> 66	<i>Mitu</i> 37
<i>Loxops</i> 69	<i>Manatees</i> 24	<i>Melogale</i> 22	<i>Mixogaster</i> 159
<i>Lucania</i> 96	<i>Mandibularca</i> 88	<i>Meloidae</i> 155	<i>Moapa</i> 88
<i>Lucanidae</i> 152	<i>Mandrillus</i> 12	<i>Melomys</i> 17	<i>Mochokidae</i> 93
<i>Luehdorfia</i> 164	<i>Manduca</i> 175	<i>Melursus</i> 21	<i>Modulatrix</i> 60
<i>Luscinia</i> 59	<i>Manorina</i> 66	<i>Menidia</i> 99	<i>Mogurnda</i> 104
<i>Lutodrilidae</i> 125	<i>Manouria</i> 76	<i>Mergus</i> 34	<i>Moho</i> 66
<i>Lutodrilus</i> 125	<i>Mantidae</i> 142	<i>Merostomata</i> 126	<i>Moitessieria</i> 114
<i>Lutra</i> 21	<i>Mantispa</i> 148	<i>Merulaxis</i> 55	<i>Moles</i> 4
<i>Lycaeides</i> 168	<i>Mantispidae</i> 148	<i>Merycomyia</i> 158	<i>Mollusca</i> 107
<i>Lycaena</i> 168	<i>Mantodea</i> 142	<i>Mesacanthotelson</i> 130	<i>Molossidae</i> 8
<i>Lycaenidae</i> 167	<i>Margaritifera</i> 111	<i>Mesitornis</i> 39	<i>Molothrus</i> 70
<i>Lycaon</i> 20	<i>Margaritiferidae</i> 111	<i>Mesitornithidae</i> 39	<i>Momotidae</i> 51
<i>Lycosa</i> 127	<i>Margaronia</i> 174	<i>Mesodon</i> 121	<i>Monachus</i> 24
<i>Lycosidae</i> 127	<i>Margarornis</i> 53	<i>Mesogastropoda</i> 112	<i>Monadenia</i> 123
<i>Lygaeidae</i> 147	<i>Marmaronetta</i> 34	<i>Mesoveliidae</i> 146	<i>Monarcha</i> 64
<i>Lymnaea</i> 116	<i>Marmota</i> 15	<i>Meta</i> 127	<i>Monardithemis</i> 142
<i>Lymnaeidae</i> 116	<i>Marstonia</i> 113	<i>Metabolus</i> 64	<i>Mongoose</i> 22
<i>Lyperobius</i> 156	<i>Marsupialia</i> 1	<i>Metacnemis</i> 138	<i>Monias</i> 39
<i>Lytta</i> 155	<i>Martes</i> 21	<i>Metallura</i> 50	<i>Monkeys</i> 10
<i>Macaca</i> 12	<i>Masticophis</i> 79	<i>Metapogon</i> 158	<i>Monodon</i> 19
<i>Macaws</i> 46	<i>Mayflies</i> 135	<i>Metatrachoniscoides</i> 129	<i>Monodontidae</i> 19
<i>Maccullochella</i> 101	<i>Mecistogaster</i> 138	<i>Metisella</i> 163	<i>Monotremata</i> 1
<i>Machilidae</i> 135	<i>Mecoptera</i> 157	<i>Metrarga</i> 147	<i>Monticola</i> 60
<i>Machiloides</i> 135	<i>Meda</i> 88	<i>Mexilana</i> 129	<i>Mordacia</i> 85
<i>Macrancylus</i> 156	<i>Megachilidae</i> 178	<i>Mexipyrgus</i> 113	<i>Morenia</i> 74
<i>Macrobaenetes</i> 143	<i>Megacolabus</i> 157	<i>Mexistenasellus</i> 129	<i>Morimus</i> 156
<i>Macrocephalon</i> 36	<i>Megadermatidae</i> 7	<i>Mexithauma</i> 114	<i>Mormolyce</i> 149
<i>Macroclermys</i> 73	<i>Megadyptes</i> 30	<i>Mice</i> 16	<i>Morphnus</i> 35
<i>Macroderma</i> 7	<i>Megaerops</i> 6	<i>Micrarionta</i> 122	<i>Mortonagrion</i> 138
<i>Macrodonia</i> 156	<i>Megaladapidae</i> 8	<i>Micraspides</i> 128	<i>Moss Beetles</i> 151
<i>Macrogalidia</i> 22	<i>Megalagrion</i> 137	<i>Micrastur</i> 36	<i>Motacillidae</i> 58
<i>Macrogastra</i> 119	<i>Megalaima</i> 52	<i>Microchaetidae</i> 125	<i>Moth Flies</i> 157
<i>Macromia</i> 141	<i>Megalanura</i> 135	<i>Microchaetus</i> 125	<i>Moths</i> 162
<i>Macropodidae</i> 1	<i>Megalonaias</i> 110	<i>Microcondylaea</i> 110	<i>Moupinia</i> 61
<i>Macropsalis</i> 49	<i>Megalurus</i> 63	<i>Microcreagris</i> 127	<i>Moxostoma</i> 92
<i>Macropus</i> 1	<i>Megapodagrionidae</i> 137	<i>Microcryptorhynchus</i> 157	<i>Mugilidae</i> 104
<i>Macroscelididae</i> 6	<i>Megapodiidae</i> 36	<i>Microcylloepus</i> 153	<i>Mugilogobius</i> 105
<i>Macroscincus</i> 78	<i>Megapodius</i> 36	<i>Microgale</i> 3	<i>Mungotictis</i> 22
<i>Macrospheenus</i> 63	<i>Megaptera</i> 20	<i>Microgoura</i> 44	<i>Muntiacus</i> 27
<i>Macrothele</i> 126	<i>Megascolecidae</i> 125	<i>Microhylidae</i> 84	<i>Muridae</i> 17
<i>Macrootis</i> 2	<i>Megascolides</i> 125	<i>Micronaspis</i> 154	<i>Muscicapa</i> 63
<i>Macroveliidae</i> 146	<i>Megathymidae</i> 164	<i>Micropanchax</i> 97	<i>Muscicapidae</i> 59
<i>Macruromys</i> 17	<i>Megaxenops</i> 54	<i>Micropotamogale</i> 3	<i>Musophagidae</i> 47
<i>Macularia</i> 124	<i>Megupsilon</i> 98	<i>Micropterus</i> 101	<i>Mustela</i> 22
<i>Maculinea</i> 168	<i>Melaenornis</i> 63	<i>Microscolex</i> 125	<i>Mustelidae</i> 21
<i>Madanga</i> 66	<i>Melamprosops</i> 69	<i>Microtus</i> 17	<i>Mutillidae</i> 176
<i>Madtoms</i> 92	<i>Melanobatrachus</i> 84	<i>Miloderes</i> 157	<i>Myadestes</i> 60
<i>Magcicada</i> 148	<i>Melanocheilus</i> 74	<i>Milvus</i> 34	<i>Myaka</i> 104
<i>Magpies</i> 72	<i>Melanospiza</i> 67	<i>Mimidae</i> 59	<i>Mycetophilidae</i> 158

<i>Mycotrupes</i> 153	<i>Neofelis</i> 23	<i>Novumbra</i> 94	<i>Orchestiidae</i> 132
<i>Mycteria</i> 33	<i>Neomorphus</i> 48	<i>Numenius</i> 42	<i>Orconectes</i> 133
<i>Myiagra</i> 64	<i>Neopetaliidae</i> 140	<i>Nuthatches</i> 64	<i>Oregonichthys</i> 89
<i>Myioborus</i> 68	<i>Neophema</i> 45	<i>Nyctibiidae</i> 49	<i>Oreisplanus</i> 163
<i>Myiophoneus</i> 60	<i>Neospiza</i> 70	<i>Nyctibius</i> 49	<i>Oreochromis</i> 104
<i>Mylothris</i> 166	<i>Neothramma</i> 161	<i>Nycticebus</i> 10	<i>Oreoglanis</i> 93
<i>Mymotherula</i> 54	<i>Neotoma</i> 16	<i>Nyctimene</i> 6	<i>Oreohelicidae</i> 121
<i>Mynas</i> 71	<i>Neotrichia</i> 160	<i>Nymphalidae</i> 172	<i>Oreohelix</i> 121
<i>Myobatrachidae</i> 84	<i>Nephropidae</i> 134	<i>Nymphophilus</i> 114	<i>Oreolyce</i> 168
<i>Myosorex</i> 5	<i>Nephrops</i> 134	<i>Nysius</i> 147	<i>Oreomystis</i> 69
<i>Myotis</i> 8	<i>Nepticulidae</i> 162	<i>Obovaria</i> 110	<i>Oreonectes</i> 91
<i>Myoxocephalus</i> 101	<i>Neptis</i> 173	<i>Oceanides</i> 147	<i>Oreophasis</i> 37
<i>Myrmeciza</i> 54	<i>Neritidae</i> 111	<i>Oceanodroma</i> 31	<i>Oreothraupis</i> 67
<i>Myrmecobiidae</i> 2	<i>Neritilia</i> 111	<i>Ochotona</i> 14	<i>Oreotragus</i> 28
<i>Myrmecobius</i> 2	<i>Nerodia</i> 79	<i>Ochotonidae</i> 14	<i>Orestias</i> 98
<i>Myrmecophaga</i> 14	<i>Neseis</i> 147	<i>Ochrotrichia</i> 160	<i>Oriolidae</i> 71
<i>Myrmecophagidae</i> 14	<i>Nesidiolestes</i> 146	<i>Ochthebius</i> 151	<i>Oriolus</i> 71
<i>Myrmeleon</i> 149	<i>Nesillas</i> 62	<i>Oclandius</i> 157	<i>Orlitia</i> 74
<i>Myrmeleontidae</i> 149	<i>Nesithmysus</i> 156	<i>Octodontidae</i> 19	<i>Ornipholidotos</i> 168
<i>Myrmica</i> 177	<i>Nesoclopeus</i> 40	<i>Odobenus</i> 24	<i>Ornithoptera</i> 165
<i>Myrmosula</i> 176	<i>Nesocryptias</i> 147	<i>Odocoileus</i> 27	<i>Ortalis</i> 36
<i>Mystacina</i> 8	<i>Nesoenas</i> 43	<i>Odonata</i> 136	<i>Orthalicus</i> 119
<i>Mystacinidae</i> 8	<i>Nesolagus</i> 14	<i>Odonthophorus</i> 37	<i>Orthetrum</i> 142
<i>Myxas</i> 116	<i>Nesomantis</i> 84	<i>Odontoceridae</i> 161	<i>Orthoptera</i> 142
<i>Myxus</i> 104	<i>Nesomimesa</i> 177	<i>Odontophorus</i> 37	<i>Oryctes</i> 153
<i>Myzomela</i> 66	<i>Nesomimus</i> 59	<i>Odynerus</i> 177	<i>Oryx</i> 29
<i>Myzopoda</i> 8	<i>Nesoprosopis</i> 177	<i>Oecanthus</i> 143	<i>Oryzias</i> 99
<i>Nactus</i> 77	<i>Nesorestias</i> 147	<i>Oecetis</i> 161	<i>Oryziidae</i> 99
<i>Naja</i> 80	<i>Nesospiza</i> 66	<i>Oedemasyllus</i> 157	<i>Oryzomys</i> 16
<i>Nannopterum</i> 32	<i>Nesosydne</i> 147	<i>Oedura</i> 77	<i>Osmeridae</i> 94
<i>Nanoplectrus</i> 161	<i>Nesothauma</i> 149	<i>Oeoblia</i> 174	<i>Osmerus</i> 94
<i>Napaeus</i> 118	<i>Nesotocus</i> 157	<i>Ogmodon</i> 80	<i>Osmoderma</i> 153
<i>Napothera</i> 61	<i>Neurocordulia</i> 141	<i>Ognorhynchus</i> 46	<i>Ospatulus</i> 89
<i>Nasalis</i> 13	<i>Neuroptera</i> 148	<i>Oliarces</i> 148	<i>Osteichthyes</i> 85
<i>Nasua</i> 21	<i>Newtonia</i> 63	<i>Oliarus</i> 147	<i>Osteoglossidae</i> 86
<i>Natrix</i> 79	<i>Nicrophorus</i> 151	<i>Oligochaeta</i> 125	<i>Osteoglossiformes</i> 86
<i>Naucoridae</i> 146	<i>Night-herons</i> 32	<i>Oligoneuridae</i> 135	<i>Otariidae</i> 24
<i>Neanuridae</i> 135	<i>Nightjars</i> 49	<i>Oligophlebodes</i> 161	<i>Otididae</i> 41
<i>Nectarinia</i> 65	<i>Nipponia</i> 33	<i>Onchobarus</i> 157	<i>Otis</i> 41
<i>Nectariniidae</i> 65	<i>Noctuidae</i> 175	<i>Onchorhynchus</i> 95	<i>Otomops</i> 8
<i>Nectophrynoides</i> 83	<i>Nomorampus</i> 99	<i>Onchotelson</i> 130	<i>Otopteronopus</i> 6
<i>Necydalis</i> 156	<i>Nososticta</i> 138	<i>Onthophagus</i> 153	<i>Otters</i> 21
<i>Neduba</i> 143	<i>Notarthrinus</i> 168	<i>Onychogalea</i> 1	<i>Otus</i> 48
<i>Nehalennia</i> 138	<i>Nothaldonis</i> 157	<i>Onychogomphus</i> 140	<i>Ovis</i> 29
<i>"Nemacheilus"</i> 90	<i>Nothobranchius</i> 95	<i>Onychophora</i> 178	<i>Owls</i> 48
<i>Nemaphys</i> 157	<i>Nothomyrmecia</i> 177	<i>Oodemus</i> 157	<i>Oxychaeta</i> 168
<i>Nematostella</i> 106	<i>Nothoprocta</i> 30	<i>Ooperipatellus</i> 178	<i>Oxyethira</i> 160
<i>Nemertea</i> 107	<i>Nothura</i> 30	<i>Ophidiidae</i> 95	<i>Oxygastra</i> 141
<i>Nemertine Worms</i> 107	<i>Notiomystis</i> 66	<i>Ophidiiformes</i> 95	<i>Oxyloma</i> 119
<i>Nemorhaedus</i> 29	<i>Notomys</i> 17	<i>Ophiogomphus</i> 140	<i>Oxyura</i> 34
<i>Nemosia</i> 67	<i>Notonemouridae</i> 144	<i>Ophisternon</i> 101	<i>Oysters</i> 107
<i>Nemouridae</i> 144	<i>Notopteridae</i> 86	<i>Ophrysia</i> 38	<i>Ozotoceros</i> 27
<i>Nemours</i> 144	<i>Notopterus</i> 86	<i>Opiliones</i> 127	<i>Pachycephala</i> 64
<i>Neobisiidae</i> 127	<i>Notornis</i> 40	<i>Optioservus</i> 154	<i>Pacifastacus</i> 132
<i>Neochanna</i> 94	<i>Notropis</i> 88	<i>Oravelia</i> 146	<i>Paddlefish</i> 86
<i>Neodrepanis</i> 57	<i>Noturus</i> 92	<i>Orcaella</i> 19	<i>Padogobius</i> 105

- Palacanthilhiopsis* 114
Paladilhia 114
Paladilhioipis 114
Palaemnema 138
Palaemonetes 133
Palaemonias 132
Palaemonidae 133
Paleoxenus 154
Palinuridae 133
Palmeria 69
Palpopleura 142
Paludiscala 114
Pan 13
Panchala 168
Pandas 21
Pangasianodon 93
Pangasiidae 93
Pangasius 93
Panoquina 163
Pantagenia 136
Panthera 23
Pantinonemertes 107
Panulirus 133
Papilio 165
Papilionidae 164
Papio 12
Papustyla 121
Paracentrotus 178
Paracoenia 159
Paracrociodura 5
Paracymus 151
Paradalotus 65
Paradigalla 72
Paradisaea 72
Paradisaeidae 72
Paradoxornis 61
Paradoxurus 22
Paragomphus 140
Parakeets 45
Paramesotriton 82
Paranaspides 128
Parantica 170
Paraphlebia 137
Parapinnixa 133
Pararge 172
Parastacidae 132
Paratherina 100
Paravitrea 120
Pardosa 127
Pareudiastes 40
Paridae 64
Parides 166
Parmacella 120
Parmacellidae 120
Parnassius 166
Paroreomyza 69
Parotia 72
Parrots 45
Partridges 37
Partula 117
Partulidae 117
Partulina 117
Parulidae 68
Parus 64
Paryphanta 119
Passeriformes 53
Pauxi 37
Pavo 38
Peacocks 38
Pearlfish 96
Pedionomidae 39
Pedionomus 39
Pedostibes 83
Pegias 110
Pelecánidae 32
Pelecániformes 32
Pelecánoides 32
Pelecánoididae 32
Pelecanus 32
Pelicans 32
Pellorneum 61
Pelobates 84
Pelobatidae 84
Pelocoris 146
Pelomedusidae 75
Peltoperlidae 145
Peltotrupes 153
Pelusios 75
Penelope 36
Penelopina 37
Penguins 30
Pentalagus 14
Pentarthrum 157
Perameles 2
Peramelidae 2
Perca 103
Percichthyidae 101
Percidae 102
Perciformes 101
Percina 103
Percopsiformes 95
Perdicella 117
Perdica 37
Perdita 177
Peridroma 176
Peripatidae 178
Peripatosidae 178
Peripatus 178
Perisoreus 72
Perissodactyla 25
Perlidae 145
Perognathus 16
Peromyscus 16
Petalura 140
Petaluridae 140
Petauridae 2
Petrels 31
Petrochroa 162
Petrodromus 6
Petrogale 1
Petroica 63
Petromyzontidae 85
Petromyzontiformes 85
Pezoporus 45
Phaenicophaeus 47
Phaeognathus 82
Phalacrocoracidae 32
Phalacrocorax 32
Phalanger 1
Phalangeridae 1
Phalangodidae 127
Phalanta 173
Phallostethidae 100
Phallostethus 100
Phaner 8
Pharomachrus 51
Phascogale 2
Phasianidae 37
Phasmatidae 144
Phasmatoptera 144
Pheasants 38
Phelsuma 77
Phenacobius 89
Phibalura 55
Philanthus 177
Phildoria 162
Philemon 66
Philepittidae 57
Philocasca 161
Philopotamidae 160
Philorheithridae 161
Phyloria 84
Philotiella 168
Philydor 53
Phlegopsis 54
Phoca 24
Phocidae 24
Phocoena 19
Phodilus 48
Phoenicoparrus 33
Phoenicopteridae 33
Photuris 154
Phoxinus 89
Phreatoicidae 130
Phrynosops 73
Phrynosoma 77
Phyciodes 173
Phyllastrephus 58
Phyllococcus 148
Phyllodactylus 77
Phyllodesma 175
Phyllonycteris 7
Phylloscartes 56
Phylloscopus 62
Phyllostomatidae 7
Phyllostes 137
Physa 116
Physidae 116
Phytotoma 56
Phytotomidae 56
Picathartes 62
Picidae 52
Piciformes 52
Picoides 52
Picus 53
Pieridae 166
Pieris 167
Pigeons 43
Pigs 25
Pimelodidae 93
Pinctada 107
Pinnipedia 24
Pinnotheridae 133
Pipidae 84
Pipile 37
Pipra 56
Pipridae 55
Piprites 55
Pisidiidae 111
Pisidium 111
Pithecophaga 36
Pitta 56
Pittidae 56
Pitymys 17
Placostylus 119
Plagigeyeria 114
Plagiodontia 19
Plagithmysus 156
Plagopterus 89
Planorbidae 116
Platalea 33
Platanista 19
Platanistidae 19
Platycnemididae 138
Platycnemis 138
Platyhelminthes 106
Platyla 115
Platymantis 84
Platyrrinchus 56
Platysteira 64
Platystictidae 138
Plebejus 168
Plebicula 168
Plecoptera 144

<i>Plecotus</i> 8	<i>Potorous</i> 1	<i>Pseudochelidon</i> 57	<i>Raphiomydas</i> 158
<i>Plectomeris</i> 110	<i>Presbytis</i> 13	<i>Pseudococcidae</i> 148	<i>Rasbora</i> 90
<i>Plectrotarsidae</i> 161	<i>Priapella</i> 97	<i>Pseudocopaeodes</i> 163	<i>Rats</i> 15
<i>Plethobasus</i> 110	<i>Prietella</i> 93	<i>Pseudocotalpa</i> 153	<i>Rattlesnakes</i> 80
<i>Plethodon</i> 82	<i>Primates</i> 8	<i>Pseudomugil</i> 100	<i>Rattus</i> 18
<i>Plethodontidae</i> 82	<i>Prinia</i> 62	<i>Pseudomys</i> 17	<i>Ratufa</i> 15
<i>Pleurobema</i> 110	<i>Priodontes</i> 14	<i>Pseudonestor</i> 69	<i>Recurvirostridae</i> 41
<i>Pleuroceridae</i> 115	<i>Prioniturus</i> 45	<i>Pseudopsectra</i> 149	<i>Redfins</i> 86
<i>Plexauridae</i> 106	<i>Prionops</i> 58	<i>Pseudoscorpionida</i> 127	<i>Redigobius</i> 105
<i>Ploceidae</i> 70	<i>Pristoceuthophilus</i> 143	<i>Pseudostigmatidae</i> 138	<i>Redunca</i> 29
<i>Ploceus</i> 70	<i>Probarbus</i> 89	<i>Psilotreta</i> 161	<i>Reduviidae</i> 146
<i>Plovers</i> 41	<i>Problema</i> 163	<i>Psittacidae</i> 45	<i>Reithrodontomys</i> 16
<i>Poblana</i> 99	<i>Proboscidea</i> 24	<i>Psittaciformes</i> 44	<i>Relictus</i> 90
<i>Podarcis</i> 78	<i>Procambarus</i> 133	<i>Psittacula</i> 46	<i>Renea</i> 115
<i>Podargidae</i> 49	<i>Procellaria</i> 31	<i>Psittaculirostris</i> 45	<i>Reptilia</i> 73
<i>Podiceps</i> 30	<i>Procellariidae</i> 31	<i>Psittirostra</i> 69	<i>Retropinnidae</i> 94
<i>Podicipedidae</i> 30	<i>Procellariiformes</i> 31	<i>Psophodes</i> 61	<i>Rhabdornis</i> 65
<i>Podicipediformes</i> 30	<i>Procolobus</i> 12	<i>Psychodidae</i> 157	<i>Rhabdornithidae</i> 65
<i>Podilymbus</i> 30	<i>Procuviidae</i> 24	<i>Psychomastix</i> 144	<i>Rhamdia</i> 93
<i>Podocnemis</i> 75	<i>Procyon</i> 21	<i>Pteriidae</i> 107	<i>Rhaphidophoridae</i> 143
<i>Podogymnura</i> 4	<i>Procyonidae</i> 21	<i>Pterioda</i> 107	<i>Rhegmatorhina</i> 54
<i>Poecilia</i> 97	<i>Prodontria</i> 153	<i>Pterodroma</i> 31	<i>Rheinardia</i> 38
<i>Poeciliidae</i> 96	<i>Progomphus</i> 140	<i>Pteronura</i> 22	<i>Rheobatrachus</i> 84
<i>Poeciliopsis</i> 97	<i>Prolagus</i> 14	<i>Pteropodidae</i> 6	<i>Rhincodon</i> 85
<i>Poecilmitis</i> 168	<i>Pronghorns</i> 27	<i>Pteropus</i> 6	<i>Rhincodontidae</i> 85
<i>Pogonichthys</i> 89	<i>Propithecus</i> 9	<i>Ptilinopus</i> 44	<i>Rhinichthys</i> 90
<i>Pogoniulus</i> 52	<i>Proserpinus</i> 175	<i>Ptilonorhynchidae</i> 71	<i>Rhinoceros</i> 25
<i>Poiana</i> 22	<i>Prosobonia</i> 42	<i>Ptychocheilus</i> 89	<i>Rhinoceros</i> 25
<i>Poliophtila</i> 62	<i>Prosorhochmidae</i> 107	<i>Pudu</i> 27	<i>Rhinocerotidae</i> 25
<i>Polposipus</i> 155	<i>Proteidae</i> 82	<i>Puffinus</i> 31	<i>Rhinoclemmys</i> 74
<i>Polycentropidae</i> 160	<i>Proterhinus</i> 156	<i>Pungu</i> 104	<i>Rhinocryptidae</i> 55
<i>Polychaeta</i> 124	<i>Proteus</i> 82	<i>Puntius</i> 89	<i>Rhinomyias</i> 63
<i>Polyergus</i> 177	<i>Protoneuridae</i> 138	<i>Pupfish</i> 98	<i>Rhinonictis</i> 7
<i>Polygyra</i> 121	<i>Protoploea</i> 171	<i>Pycnonotidae</i> 58	<i>Rhinopithecus</i> 13
<i>Polygyridae</i> 121	<i>Protoptila</i> 159	<i>Pycnonotus</i> 58	<i>Rhinoplax</i> 52
<i>Polygyris</i> 121	<i>Prototroctes</i> 94	<i>Pygathrix</i> 13	<i>Rhinoptilus</i> 41
<i>Polyhymenophorea</i> 106	<i>Psammaspidae</i> 128	<i>Pyrallidae</i> 174	<i>Rhipidura</i> 64
<i>Polylamina</i> 153	<i>Psammobates</i> 76	<i>Pyreferra</i> 176	<i>Rhodonessa</i> 34
<i>Polyodon</i> 86	<i>Psarocolius</i> 69	<i>Pyrglena</i> 54	<i>Rhopalid Bugs</i> 147
<i>Polyodontidae</i> 86	<i>Psarocolius</i> 69	<i>Pyrhura</i> 46	<i>Rhopalidae</i> 147
<i>Polyphylla</i> 153	<i>Psephenidae</i> 154	<i>Python</i> 79	<i>Rhopornis</i> 54
<i>Polyplectron</i> 38	<i>Psephenus</i> 154	<i>Pyxis</i> 76	<i>Rhyacophila</i> 159
<i>Polystictus</i> 56	<i>Psephotus</i> 45	<i>Quadrula</i> 110	<i>Rhyacophilidae</i> 159
<i>Polytelis</i> 45	<i>Psephurus</i> 86	<i>Quails</i> 37	<i>Rhyacornis</i> 60
<i>Pomarea</i> 64	<i>Pseudacris</i> 83	<i>Quetzals</i> 51	<i>Rhynchocephalia</i> 76
<i>Pomatias</i> 112	<i>Pseudagrion</i> 138	<i>Rabbits</i> 14	<i>Rhynchocyon</i> 6
<i>Pomatiasidae</i> 112	<i>Pseudalmenus</i> 169	<i>Racoons</i> 21	<i>Rhynchopsitta</i> 46
<i>Pongidae</i> 13	<i>Pseudamnicola</i> 114	<i>Rails</i> 40	<i>Rhyncogonus</i> 157
<i>Pongo</i> 13	<i>Pseudemoia</i> 78	<i>Rainbowfish</i> 100	<i>Rhynochetidae</i> 41
<i>Pontoporia</i> 19	<i>Pseudemydura</i> 73	<i>Rallidae</i> 39	<i>Rhynochetos</i> 41
<i>Poospiza</i> 67	<i>Pseudemys</i> 74	<i>Rallus</i> 40	<i>Rhytididae</i> 119
<i>Popelairia</i> 50	<i>Pseudibis</i> 33	<i>Ramiheithrus</i> 161	<i>Riekoperla</i> 145
<i>Porpoises</i> 19	<i>Pseudiolaus</i> 169	<i>Ramphastidae</i> 52	<i>Riffle Beetles</i> 153
<i>Porzana</i> 40	<i>Pseudirion</i> 136	<i>Ramphocinclus</i> 59	<i>Rivulidae</i> 96
<i>Potamilus</i> 110	<i>Pseudobarbus</i> 89	<i>Rana</i> 84	<i>Rivulus</i> 96
<i>Potamogalidae</i> 3	<i>Pseudocalyptomena</i> 53	<i>Ranidae</i> 84	<i>Roaches</i> 142

Robberflies 158	<i>Scytalopus</i> 55	Snakes 78	<i>Stenopsychodes</i> 160
<i>Rodentia</i> 15	Sea Anemones 106	Snipes 42	<i>Stenotrema</i> 121
<i>Romanichthys</i> 103	Sea Fans 106	<i>Solatopupa</i> 118	<i>Stenotrupis</i> 157
<i>Romankenkius</i> 106	Sea Slugs 107	<i>Solenodon</i> 3	<i>Stentor</i> 106
<i>Romerolagus</i> 14	Sea Urchins 178	<i>Solenodontidae</i> 3	<i>Stentoridae</i> 106
<i>Rosalia</i> 156	Seals 24	<i>Soliperla</i> 145	<i>Sterkia</i> 118
<i>Rowettia</i> 66	Seed Bugs 147	<i>Solomys</i> 18	<i>Sterna</i> 42
<i>Rukia</i> 66	<i>Segmentina</i> 116	<i>Somatochlora</i> 141	<i>Sternotherus</i> 75
<i>Rupicapra</i> 29	<i>Selasphorus</i> 51	<i>Somatogyrus</i> 114	<i>Stictonetta</i> 34
<i>Saga</i> 143	<i>Semnornis</i> 52	<i>Somuncuria</i> 84	<i>Stiobia</i> 114
<i>Saguinus</i> 11	<i>Semotilis</i> 90	<i>Sonorella</i> 123	<i>Stomatepia</i> 104
<i>Saimiri</i> 10	<i>Sephanoidea</i> 50	<i>Sooglossus</i> 84	Stoneflies 144
Salamanders 81	<i>Serica</i> 153	<i>Soricidae</i> 4	<i>Stonemyia</i> 158
<i>Salamandridae</i> 82	<i>Sericostomatidae</i> 161	<i>Sosippus</i> 127	Storks 33
<i>Salamis</i> 173	<i>Sericulus</i> 71	<i>Spanglerogyrus</i> 151	<i>Streptaxidae</i> 119
<i>Salanoia</i> 22	Serins 70	<i>Speirops</i> 66	<i>Streptocitta</i> 71
<i>Salmo</i> 95	<i>Serinus</i> 70	<i>Spelaeornis</i> 61	Strider Bugs 146
<i>Salmonidae</i> 94	<i>Serpentes</i> 78	<i>Spelasorchestia</i> 132	<i>Strigidae</i> 48
<i>Salmoniformes</i> 94	<i>Serpophaga</i> 56	<i>Speleomantes</i> 82	<i>Strigiformes</i> 48
<i>Salmothymus</i> 95	<i>Serranochromis</i> 104	<i>Speocirolana</i> 129	<i>Strigops</i> 47
<i>Saltator</i> 67	<i>Sesiidae</i> 162	<i>Speoplatyrhinus</i> 95	<i>Strix</i> 49
<i>Salvelinus</i> 95	<i>Seychellibasis</i> 138	<i>Speothos</i> 20	<i>Strombidae</i> 115
<i>Samoana</i> 117	Sharks 85	<i>Speyeria</i> 173	<i>Strombus</i> 115
<i>Sandelia</i> 105	Shearwater 31	<i>Sphaeroderus</i> 149	<i>Strymon</i> 169
Sandpipers 42	Sheep 29	<i>Sphaeromatidae</i> 129	<i>Stupidogobius</i> 105
<i>Sanzinia</i> 79	<i>Sheppardia</i> 59	<i>Sphalloplana</i> 106	Sturgeon 85
<i>Sapheopipo</i> 53	<i>Shijimiaeoides</i> 169	<i>Spharagemon</i> 144	<i>Sturnella</i> 69
<i>Sarotherodon</i> 104	Shiners 87	<i>Sphecidae</i> 177	<i>Sturnidae</i> 71
<i>Sarothrura</i> 39	Shoebills 33	<i>Spheniscidae</i> 30	<i>Stygionympha</i> 172
<i>Sasakia</i> 173	Shrimps 128	<i>Sphenisciformes</i> 30	<i>Stygobromus</i> 130
<i>Satan</i> 93	<i>Siacella</i> 147	<i>Spheniscus</i> 30	<i>Stylommatophora</i> 116
<i>Saturnia</i> 175	<i>Sicydium</i> 105	<i>Sphenocichla</i> 61	<i>Styloniscidae</i> 130
<i>Saturniidae</i> 175	<i>Sigmodon</i> 16	<i>Sphenodon</i> 76	<i>Styloniscus</i> 130
<i>Satyridae</i> 171	<i>Silhouettea</i> 105	<i>Sphenodontidae</i> 76	<i>Stylurus</i> 140
<i>Satyrodes</i> 173	<i>Silphidae</i> 151	<i>Spheterista</i> 163	<i>Stypodon</i> 90
<i>Sauria</i> 76	<i>Siluriformes</i> 92	Spiders 126	<i>Succinea</i> 119
<i>Saxicola</i> 60	<i>Simias</i> 13	<i>Sphingidae</i> 175	<i>Succineidae</i> 119
<i>Scaphirhynchus</i> 86	<i>Simoxenops</i> 53	<i>Spilornis</i> 35	Suckers 91
Scarab Beetles 152	<i>Simponaia</i> 110	<i>Spindasis</i> 169	<i>Suidae</i> 25
<i>Scarabaeidae</i> 152	<i>Simpsoniconcha</i> 110	<i>Spizaetus</i> 36	<i>Sula</i> 32
Scavenger Beetles 151	<i>Sinocyclocheilus</i> 90	<i>Spizocorys</i> 57	<i>Sulidae</i> 32
<i>Schistura</i> 91	<i>Siphonuridae</i> 135	Splittails 89	<i>Suncus</i> 5
<i>Schoutedenapus</i> 50	<i>Siphonorhis</i> 49	Spoonbills 33	<i>Sundoreonectes</i> 91
<i>Sciaenidae</i> 103	<i>Sirenia</i> 24	<i>Sporophila</i> 67	<i>Sus</i> 25
<i>Scincidae</i> 78	Siskins 70	<i>Stachyris</i> 61	Swallowtails 164
<i>Sciuridae</i> 15	<i>Sisoridae</i> 93	Stag Beetles 152	Swifts 49
<i>Sciurus</i> 15	<i>Sitta</i> 64	<i>Stagnicola</i> 116	<i>Swynnertonia</i> 59
<i>Sclerodermus</i> 176	<i>Sittidae</i> 64	<i>Stallingsia</i> 164	<i>Sylvilagus</i> 14
<i>Scleropages</i> 86	<i>Skiffia</i> 97	<i>Starnoenas</i> 43	<i>Sylvisorex</i> 5
<i>Scolopacidae</i> 42	Skinks 78	<i>Stenasellidae</i> 129	<i>Sympetrum</i> 142
<i>Scolopax</i> 42	Skippers 163	<i>Stenelmis</i> 154	<i>Synallaxis</i> 53
<i>Scorpaeniformes</i> 101	Slugs 120	<i>Stenodus</i> 95	<i>Synanthedon</i> 162
<i>Scotopelia</i> 48	Smelt 94	<i>Stenopelmatidae</i> 142	<i>Synbranchidae</i> 101
<i>Scotorythra</i> 174	<i>Smerina</i> 173	<i>Stenopelmatus</i> 142	<i>Synbranchiformes</i> 101
Scrubfowl 57	<i>Sminthopsis</i> 2	<i>Stenophysa</i> 116	<i>Syncaris</i> 132
<i>Scyphacidae</i> 130	Snails 111	<i>Stenopsychidae</i> 160	<i>Syngnathidae</i> 100

<i>Syngnathiformes</i> 100	<i>Terpsiphone</i> 64	<i>Tokudaia</i> 18	<i>Trox</i> 152
<i>Syngnathus</i> 100	<i>Terrapene</i> 74	<i>Tolypeutes</i> 14	<i>Truncatellina</i> 118
<i>Synthemius</i> 141	<i>Testudines</i> 73	<i>Tomistoma</i> 81	<i>Tryonia</i> 114
<i>Syntheosciurus</i> 15	<i>Testudinidae</i> 75	<i>Toothcarp</i> 96	<i>Tsitana</i> 163
<i>Synthliboramphus</i> 42	<i>Testudo</i> 76	<i>Torrent Midges</i> 158	<i>Tuatara</i> 76
<i>Sypheotides</i> 41	<i>Tetrao</i> 37	<i>Torreornis</i> 66	<i>Turbellaria</i> 106
<i>Syrictus</i> 163	<i>Tetrax</i> 41	<i>Tortoises</i> 75	<i>Turbinidae</i> 111
<i>Syrmaticus</i> 38	<i>Tetrigidae</i> 144	<i>Tortricidae</i> 163	<i>Turbo</i> 111
<i>Syrphidae</i> 159	<i>Tetrix</i> 144	<i>Totoaba</i> 103	<i>Turdoides</i> 61
<i>Tabanid Flies</i> 158	<i>Tettigarcta</i> 148	<i>Touit</i> 46	<i>Turdus</i> 60
<i>Tabanidae</i> 158	<i>Tettigarctidae</i> 148	<i>Toxolasma</i> 110	<i>Turkeys</i> 37
<i>Tachybaptus</i> 30	<i>Tettigidea</i> 144	<i>Trachemys</i> 74	<i>Turricidae</i> 39
<i>Tachycineta</i> 57	<i>Tettigoniidae</i> 143	<i>Trachypithecus</i> 13	<i>Turnix</i> 39
<i>Tachycinemis</i> 83	<i>Thaennumia</i> 118	<i>Tragelaphus</i> 29	<i>Turtles</i> 73
<i>Tachyglossidae</i> 1	<i>Thamnomanes</i> 54	<i>Tragopan</i> 38	<i>Tylognathus</i> 90
<i>Tachypleus</i> 126	<i>Thamnophilus</i> 54	<i>Treader Bugs</i> 146	<i>Tympanoctomys</i> 19
<i>Tadorna</i> 34	<i>Thamnophis</i> 79	<i>Tree Snails</i> 117	<i>Typhaeus</i> 152
<i>Taenioides</i> 105	<i>Thaumatodon</i> 120	<i>Tremarctos</i> 21	<i>Typhdobarbus</i> 90
<i>Taeniopterygidae</i> 145	<i>Thaumatogryllus</i> 143	<i>Treron</i> 44	<i>Typhlatya</i> 132
<i>Taeniopteryx</i> 145	<i>Thaumatoneura</i> 137	<i>Triaenodes</i> 161	<i>Typhliasina</i> 95
<i>Talpidae</i> 4	<i>Theraphosidae</i> 126	<i>Tribolonotus</i> 78	<i>Typhlogarra</i> 90
<i>Tamanka</i> 105	<i>Thermophis</i> 79	<i>Trichastoma</i> 61	<i>Typhlomolge</i> 82
<i>Tamarins</i> 11	<i>Thermosphaeroma</i> 129	<i>Trichechidae</i> 24	<i>Typhlopidae</i> 80
<i>Tamiasciurus</i> 15	<i>Theropithecus</i> 12	<i>Trichechus</i> 24	<i>Typhlops</i> 80
<i>Tanakia</i> 90	<i>Thestor</i> 169	<i>Trichocichla</i> 63	<i>Typhlotriton</i> 82
<i>Tangara</i> 68	<i>Thinornis</i> 41	<i>Trichoniscidae</i> 129	<i>Tyrannidae</i> 56
<i>Tanysiptera</i> 51	<i>Thomomys</i> 15	<i>Trichoptera</i> 159	<i>Tyrants</i> 56
<i>Taoniscus</i> 30	<i>Thoracica</i> 128	<i>Tricladida</i> 106	<i>Tyto</i> 48
<i>Taphius</i> 116	<i>Thread Bugs</i> 146	<i>Triclarida</i> 47	<i>Tytonidae</i> 48
<i>Taphrolessia</i> 50	<i>Threskiornithidae</i> 33	<i>Tridacna</i> 111	<i>Udeina</i> 125
<i>Tapiridae</i> 25	<i>Thripophaga</i> 53	<i>Tridacnidae</i> 111	<i>Uma</i> 77
<i>Tapirs</i> 25	<i>Thrushes</i> 60	<i>Trigonopelastes</i> 153	<i>Umbridae</i> 94
<i>Tapirus</i> 25	<i>Thryomanes</i> 59	<i>Trigonoscuta</i> 157	<i>Unas</i> 157
<i>Tarsiidae</i> 10	<i>Thryothorus</i> 59	<i>Triliqua</i> 78	<i>Unio</i> 110
<i>Tarsius</i> 10	<i>Thylacinidae</i> 2	<i>Trimenia</i> 169	<i>Unionidae</i> 108
<i>Taskiria</i> 161	<i>Thylacinus</i> 2	<i>Tringa</i> 42	<i>Unionoida</i> 108
<i>Taskropsyche</i> 161	<i>Thylacomyidae</i> 2	<i>Triodopsis</i> 121	<i>Uniramia</i> 135
<i>Tasmanophlebia</i> 135	<i>Thysanura</i> 135	<i>Trionychidae</i> 76	<i>Uramphisopus</i> 130
<i>Tasmanoplectron</i> 143	<i>Tiaroga</i> 90	<i>Trionyx</i> 76	<i>Uranothauma</i> 169
<i>Tasmanoplegas</i> 160	<i>Tiger Beetles</i> 149	<i>Trissexodon</i> 124	<i>Uratelornis</i> 52
<i>Tauraco</i> 47	<i>Tijuca</i> 55	<i>Trithemis</i> 142	<i>Urocissa</i> 72
<i>Taurotragus</i> 27	<i>Tilapia</i> 104	<i>Tritocleis</i> 174	<i>Urocyon</i> 20
<i>Tayassuidae</i> 26	<i>Tilapia</i> 104	<i>Tritogenia</i> 125	<i>Urothemis</i> 142
<i>Teal</i> 34	<i>tilapiine</i> 104	<i>Tritons</i> 116	<i>Ursidae</i> 21
<i>Teiidae</i> 78	<i>Tinamidae</i> 30	<i>Trochilidae</i> 50	<i>Ursus</i> 21
<i>Teinopalpus</i> 166	<i>Tinamiformes</i> 30	<i>Trogidae</i> 152	<i>Utabaenetes</i> 143
<i>Telema</i> 126	<i>Tinamous</i> 30	<i>Troglodytes</i> 59	<i>Valencia</i> 96
<i>Telemidae</i> 126	<i>Tinamus</i> 30	<i>Troglodytidae</i> 59	<i>Valenciidae</i> 96
<i>Telespiza</i> 69	<i>Tinostoma</i> 175	<i>Trogloglanis</i> 93	<i>Valvata</i> 112
<i>Telmatherina</i> 100	<i>Tiradelphe</i> 171	<i>Troglohyphantes</i> 126	<i>Valvatidae</i> 112
<i>Telmatherinidae</i> 100	<i>Tirumala</i> 171	<i>Trogon</i> 51	<i>Vanellus</i> 41
<i>Tenebrionidae</i> 155	<i>Tischeria</i> 162	<i>Trogonidae</i> 51	<i>Vangidae</i> 59
<i>Tenrecidae</i> 3	<i>Tischeriidae</i> 162	<i>Trogoniformes</i> 51	<i>Varanidae</i> 78
<i>Tenrecs</i> 3	<i>Tits</i> 64	<i>Troides</i> 166	<i>Varanus</i> 78
<i>Terenura</i> 54	<i>Toads</i> 83	<i>Trout</i> 95	<i>Varecia</i> 9
<i>Terns</i> 42	<i>Todirostrum</i> 56	<i>Trout Cod</i> 101	<i>Velesunio</i> 111

<i>Veneroida</i> 111	<i>Xenospingus</i> 66
<i>Vermivora</i> 68	<i>Xenospiza</i> 66
<i>Vertiginidae</i> 118	<i>Xenuromys</i> 18
<i>Vertigo</i> 118	<i>Xeromys</i> 18
<i>Vespericola</i> 121	<i>Xerotricha</i> 124
<i>Vespertilionidae</i> 8	<i>Xiphocolaptes</i> 53
<i>Vespidae</i> 177	<i>Xipholena</i> 55
<i>Vicugna</i> 26	<i>Xiphophorus</i> 97
<i>Vicuna</i> 26	<i>Xiphosura</i> 126
<i>Villosa</i> 110	<i>Xolmis</i> 56
<i>Vini</i> 45	<i>Xylotoles</i> 156
<i>Vipera</i> 80	<i>Xyrauchen</i> 92
<i>Viperidae</i> 80	<i>Yetapa</i> 56
<i>Vipers</i> 80	<i>Ypthima</i> 172
<i>Vireo</i> 69	<i>Zaglossus</i> 1
<i>Vireonidae</i> 69	<i>Zaitzeva</i> 154
<i>Vitreia</i> 120	<i>Zalophus</i> 24
<i>Vitrinidae</i> 121	<i>Zapodidae</i> 18
<i>Viverra</i> 22	<i>Zapus</i> 18
<i>Viverridae</i> 22	<i>Zavattariornis</i> 72
<i>Voles</i> 17	<i>Zebras</i> 25
<i>Vombatidae</i> 2	<i>Zelotypia</i> 162
<i>Vormela</i> 22	<i>Zenaida</i> 43
<i>Vulpes</i> 20	<i>Zingel</i> 103
<i>Vultures</i> 35	<i>Ziphiidae</i> 19
<i>Wallabies</i> 1	<i>Zonitidae</i> 120
<i>Warblers</i> 62	<i>Zoothera</i> 60
<i>Wasps</i> 176	<i>Zoraena</i> 141
<i>Water Beetles</i> 150	<i>Zoraptera</i> 146
<i>Weavers</i> 70	<i>Zorotypidae</i> 146
<i>Weberogobius</i> 105	<i>Zorotypus</i> 146
<i>Westriplectes</i> 161	<i>Zosteropidae</i> 65
<i>Wetas</i> 142	<i>Zosterops</i> 65
<i>Wetmorethraupis</i> 68	<i>Zygogeomys</i> 15
<i>Whales</i> 19	<i>Zyzomys</i> 18
<i>Whirligig Beetles</i> 151	
<i>Whitefish</i> 86	
<i>Williamsonia</i> 141	
<i>Wolves</i> 20	
<i>Womersleymeria</i> 135	
<i>Woodcocks</i> 42	
<i>Woodfordia</i> 66	
<i>Woodpeckers</i> 52	
<i>Worms</i> 124	
<i>Xanthomyza</i> 66	
<i>Xanthopsar</i> 69	
<i>Xantusia</i> 78	
<i>Xantusiidae</i> 78	
<i>Xenicidae</i> 57	
<i>Xenicus</i> 57	
<i>Xenoligea</i> 68	
<i>Xenoophorus</i> 97	
<i>Xenopirostris</i> 59	
<i>Xenopoecilus</i> 99	
<i>Xenopus</i> 84	
<i>Xenornis</i> 54	

The Red Data Book concept, originated by Sir Peter Scott in the mid-1960s, aims to focus attention on the plight of the earth's vanishing wildlife. The concept has been outstandingly successful and, over two decades later, many national, regional, and global Red Data Books have been published, with many more countries in the process of compiling their own lists of threatened species. The information provided in national and regional compilations will inevitably be more detailed than the global overviews produced by IUCN. There is, however, an increasing demand for an international list that categorises the status of globally threatened taxa, and it is to meet this demand that the *IUCN Red List of Threatened Animals* has been produced. This edition is an update of the 1988 Red List, and new editions will be published on a regular basis.

Produced from the databases of the World Conservation Monitoring Centre, the Red List presents, for each threatened species, the scientific name, the English vernacular name, the IUCN threatened category, and a brief description of the animal's range. This is followed by an index to the list based on the order, family, and generic names, with vernacular names for major groupings. Also included is an essay on the role of captive breeding in the conservation of species, prepared by Dr Nathan Flesness and Dr Tom Foose of the IUCN/SSC Captive Breeding Specialist Group. A guest essay is a regular feature of the IUCN Red Lists.

Whilst the length of the Red List makes depressing reading, the information it contains should be of fundamental value to conservationists.

Prepared with financial support from the World Conservation Monitoring Centre and published with a grant from the IUCN Species Survival Commission.

A contribution to GEMS – the Global Environment Monitoring System.



WORLD CONSERVATION
UNION

This book is part of
THE IUCN CONSERVATION LIBRARY

For a free copy of the complete catalogue please write to:
IUCN Publications Services Unit
219c Huntingdon Road, Cambridge, CB3 0DL, UK