

BIOPHILATELY

OFFICIAL JOURNAL OF THE BIOLOGY UNIT OF ATA

SEPTEMBER 2015

VOLUME 64, NUMBER 3

Save the Trees!

(We need them to print this journal.)



Michael Kogan

Milestones in Paleo-Philately

More Inside >>



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The Biology Unit, founded in 1951, is a study unit of the American Topical Association dedicated to the international cooperative study of biological postage stamps and related material.

Back copies of *Biophilately* are available from the Librarian. Copies of separate articles are available at a charge six cents per page. Please contact the individual associate editors if you have queries about the content of their columns.

Send membership enquiries and change of address notices to the Secretary, Chris Dahle, (319) 364-4999. See the following page for dues rates.

The purpose of this journal is to provide members with informative articles dealing with biological topics and to publish listings covering the new **zoological** and **botanical** issues of the world, identified and classified to the best of our ability.

Please send letters, comments on the journal, articles, or new material to the Editor (data above). The Publisher will handle requests for issues from the current year. Contact the Librarian (address above) for copies of all other issues.

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PLEASE NOTE: Material for the next issue should be in the hands of the Editor before 15 November 2015.

FROM THE EDITOR'S DESK

Now that I am semi-retired, I find myself busier than ever and wonder when I ever had time to work at a regular job. As I write this, I am preparing to leave for the annual American Philatelic Society Stamp Show in Grand Rapids, Michigan, where *Biophilately* is entered in the philatelic literature exhibition.

I have just completed recovery from the National Topical Stamp Show in Clackamas, Oregon, for which I was local co-chairman. And there are only 25 days left to make final preparations for the Seattle Philatelic Exhibition (SEAPEX), for which I am also the show manager.

Not to mention that the deadlines for both this quarterly edition of the Unit journal and the quarterly newsletter of the Northwest Federation of Stamp Clubs, for which I am also the editor, are due now. It seems that I need to better organize my schedule, or as my collector friend Jean Stout has said, "Learn how to say 'no.'"

Anyway, life is exciting and don't tell anyone, but I secretly enjoy being involved all these activities.

The Biology Unit had a very successful participation at NTSS. We gained six new members, among other things. See the report on the show that starts on page 144. Also, see scans of the pages from the Biology Unit one-frame exhibit shown at NTSS starting on page 147.

This edition contains another article on amphibians by Vic Eichler, who I finally got to meet in person at NTSS where he showed a free style exhibit on the same subject.

We also have the first of a multi-part article by Michael Kogan on Paleo-Philately, which is not the study of prehistoric stamp collectors, but a description of the development of the paleontology topic on postage stamps through the years.

Of course we have our regular botanical and zoological checklist columns including an extensive update in the Ornithology section. We are however missing our Ichthyology column and I am **still** trying to recruit an associate editor for Herpetology.

You may note on the inside cover that addresses have changed for some of our officers and editors.

As summer activities wind down and we enter into autumn, many collectors will increase their attention to their indoor hobbies. I hope all of you find time during this season to visit a stamp show, tidy up your albums, and add a special item to your collection.

Jack R. Congrove

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Please see the Biology Unit website (www.biophilately.org) for membership applications. Several payment options are available. Send applications and payments payable to the Biology Unit of ATA to:			
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PRESIDENT'S MESSAGE

Greetings from Ontario! I am sorry I missed the last issue, but I was asked to enter my seven frame "Rhodesia" exhibit in a show and it took me some time on the computer to get it all re-assembled.

When our two children were growing up, we used a tent trailer to explore the eastern seaboard of the continent, from Prince Edward Island all the way to South Carolina and really enjoyed this means of seeing some great scenery. Later, when the kids were grown up, we had flown to Portland for the ATA show and seen wonderful scenery from the windows of the plane, which we determined to investigate! The chance came in 1985 with the show being held in Reno, Nevada, so we decided to fly to San Francisco and rent a car to get to the show.

Three days in the city gave us an opportunity to ride on cable cars, take a bus tour round the city, visit a giant Redwood forest and have a boat trip to see Alcatraz and the Bay Bridge. Then we rented a car and were off to Reno, through Sacramento and over the Sierra Nevada via Donner Pass at 7,000 feet and really spectacular with Donner Lake south of the highway.

The city of Reno was certainly an eye opener—slot machine heaven! The hotel was fairly old and was given the name "early makeshift" by one of the ATA members, since it had recently undergone some remodelling.

Thursday June 20th was Barbara's birthday and we had breakfast with Sally and Jerry Husak. We asked if they would like to go for a drive later and we went to Carson City for lunch, then through the mountains to Virginia City, the centre of the old days of the Gold Rush. In the evening, I was off to my second Board meeting and it was interesting to find the number of subjects that came under discussion, with recommendations for future show sites.

The show was actually held in the Pioneer Hall, across the road from the hotel and it proved to be a great place to hold it with no slot machines. There were 33 dealers in attendance, and 33 exhibits in 200 frames, all of them (strangely) from "out-of-state!" It was interesting to note that many of the exhibits were more advanced than in some of the earlier shows and therefore more interesting.

One of the great things about the ATA crowd is the camaraderie, best illustrated by the usual gathering on the Friday evening in one room that has been set aside for wine and cheese and lots of conversation!

The Awards banquet was buffet style and before we started Jerry Husak introduced Margaret Hackett, a delightful lady from New Jersey, to present the annual Distinguished Topical Philatelist Award and she read out my name! Well, I am sure my jaw dropped at least six inches, but I was surprised and pleased to receive the award.

The Grand Award went to "Nuremberg: Tale of a City," by Ingeburg Fisher. The Reserve Grand went to "The History of Railways: Steam Train Era," by John Griffiths, and the Biology Unit Award went to "The World of Owls," by Fred Ziemann. There was also a very good ten-frame exhibit on "Wine" that received a gold. Also, on Sunday evening, a group gathered for supper and discussion about the show.

Someone had told us that we should not leave the area without seeing Lake Tahoe, so on Monday we left and after a fairly steep climb with hairpin curves, we reached the lake and drove round to Emerald Bay, which was spectacular, since it was an emerald-coloured bay in a blue lake—amazing! We then headed south for Yosemite and went through Tioga Pass at 9,945 feet to see the Rainbow Falls, then on through Fresno to San Luis Obispo and back to San Francisco via Highway 1.

We now had a future planned of holidays to the annual ATA show to meet all the philatelic friends we had made and explore more of the American West!

Until next time...

Alan J. Hanks

SECRETARY-TREASURER'S CORNER

ANNUAL BIOLOGY UNIT MEETING

[*Note: In the absence of the Secretary-Treasurer, Director Jack Congrove recorded notes from the meeting.*]

The annual meeting of the Biology Unit was called to order by Vice-President Larry Davidson at 10:05 AM on Saturday, 1 August in the Sandy Room of the Monarch Hotel and Conference Center in Clackamas, Oregon. The meeting was held in conjunction with the ATA 2015 National Topical Stamp Show. Officers in attendance were Larry Davidson, Vice-President; Donald Wright, Director; and Jack Congrove, Director.

A total of 16 members were present: Jack Congrove, Larry Davidson, Carol and Keith Edholm, Vic Eichler, Dawn Hamman, Jeffrey Hayward, Barbara Herbert, Susan B. Jones, Ellen Kritzman, Dick Roman, Laurie Ryan, Cathie Stumpfenhaus, Roger van Laere, Beatrice Vogel, and Donald Wright. Roger van Laere from Antwerp, Belgium traveled farthest. After an introduction by Vice-President Davidson, each person present introduced themselves and mentioned their collecting interests.

Vice-President Davidson described the special aspects of this year's NTSS pertaining to the Biology Unit. The Unit was the featured study unit at the show and would be the sponsor of the Awards Banquet. The Distinguished Topical Philatelist Award recipient this year also would be Unit member Donald Wright. In addition, the Unit was manning a booth at the show floor to recruit new members.

Because neither President Hanks, nor Secretary-Treasurer Dahle were able to attend the show, Vice-President Davidson gave an informal secretary-treasurer's report, including that the treasury contains more than \$17,500 and that the major expenses during the last year included a donation of \$1,286.42 to print the *Insects on Stamps* handbook (HB164) by Donald Wright, and \$1,000 to sponsor the NTSS banquet.

Currently, the Unit has 142 members. Fifty-two of them are web-only subscribers and 33 are overseas members.

Jack Congrove displayed the prizes for the three Biology Unit awards to be presented at the show. He also mentioned that the Unit journal had received a Vermeil award at Chicagopex last year and was entered this year in both the NTSS Study Unit literature competition and the APS Stamp Show.

Jack Congrove also explained that for recruiting at the Biology Unit booth, the Unit would be offering a special deal. For the cost of a one-year membership, the new member would receive the remaining two editions of this year's journal plus all of next year. In addition, they would receive a free copy of the latest June edition as well as a copy of *The Mother of All Indexes*, which contains the index of all issues from Volumes 1–62 and Unit history. So, in fact, new members would be receiving one and three-quarters years' worth of editions for their dues.

Barbara Herbert asked when the scans of all back issues would be available on the website. Congrove explained that the more recent editions are available on the website now and that many of the earlier editions have been scanned, but not yet posted due to an issue with the file sizes. He said he would work on updating the scans and coordinate with the webmaster to get an archive created.

Laurie Ryan mentioned that she needed the password to open the current edition. Congrove said that he would coordinate with the webmaster after the meeting to get out the password to the members.

Davidson and Congrove both mentioned that the Unit was planning to share and assist at the ATA booth at the NY-2016 international show and invited members to volunteer to help with this. The members present who were planning to attend the show were: Jeffrey Hayward, Dawn Hamman, Susan Jones, Laurie Ryan, Larry Davidson, Donald Wright, Jack Congrove, and possibly Barbara Herbert.

Dick Roman suggested that the Unit add more associate editors to broaden the quantity of topics available. Congrove mentioned that he is still looking for an associate editor for Herpetology.

Barbara Herbert suggested that the Unit offer presentations at each meeting. The Board members welcomed this suggestion and offered her the first opportunity. Jean Stout said that she had a presentation on the lesser known penguins of New Zealand that she would like to present.

Dawn Hamman, representing the ATA Board, gave a short presentation on the benefits of being an ATA member and the important contributions that the ATA makes to the hobby.

There being no other business, the meeting adjourned at 10:40 AM.

NEW MEMBERS

The Biology topic is immensely popular. It is likely that someone in your local club is a collector of something related to zoology or botany. Sign them up. The Biology Unit welcomes the following new members:

1867	Jerald Zimmermann, Waxahachie, Texas	unk
1868	Karen McKee, Port Townsend, Washington	cactus, snowdrops, banaquits (2)
1869	Jim Bogart, Vancouver, Washington	fish (6), marine life (9)
1870	Rob McGuinness, West Vancouver, BC, Canada	bobcat, lynx, muskox (8), loon (5)
1871	Vera Felts, Carterville, Illinois	spices, herbs, grains, vegetables (2)
1872	Anne Kahle, Castle Rock, Washington	birds (by species)(5)
1873	Joseph Morris, Portland, Oregon	weasels (8), ice hockey, Buddhist, malaria, Mideast

REINSTATEMENT

Welcome back:

1801	Jean C. Stout, Pearl, Mississippi	penguins (5), cockroaches (7), Halloween, Sherlock Holmes
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NEWS OF NOTE

BIOPHILATELY WINS LITERATURE AWARD

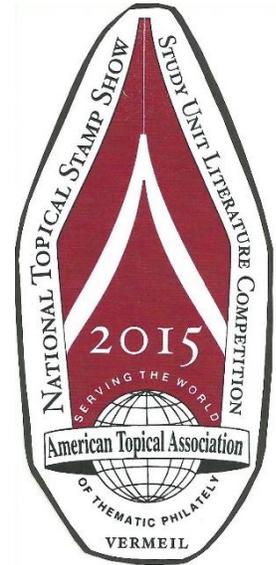
Our Unit journal, *Biophilately*, won a Vermeil ribbon in the Study Unit newsletter literature competition at the National Topical Stamp Show this year in Clackamas, Oregon.

Jeffrey Hayward, one of our Unit members and American Topical Association Study Unit Coordinator, organized the newsletter literature exhibition. The competition featured three award levels: Less than 50 members, 50 to 200 members, and More than 200 members. We entered *Biophilately* in the second category.

Because our original submission somehow got lost in the mail (I know, can you believe it?), Jeff went out of his way to print new copies of our four editions for the judges and for the literature display. So a big thanks to Jeff for enabling us to compete.

DATABASE AVAILABLE

ATA member Larry Elliot has a free database program based on Microsoft Access that contains topical stamp listings. Each record has more than 60 searchable data fields. If interested, contact him at elliott.lk@sbcglobal.net.



CLOSED ALBUM

IN MEMORIAM: DR. DON C. AHSHAPANEK, SR. (LM80)

Dr. Don C. Ahshapanek, Sr. passed away on 17 March 2015, after an extended illness at his home in Anadarko, Oklahoma. He was 82. He was born 29 April 1932, in Milton, Delaware, to Albert Leon and Mabel Marie (Clark) Johnson. He and Carol Paddlety were married on 28 September 1962, at Angie Smith Indian Methodist Church in Oklahoma City.

Don received his Doctorate in Biology and taught at Emporia State University in Emporia, Kansas, and Haskell Indian Nation University in Lawrence, Kansas. He worked for the Bureau of Indian Affairs for five years as a tribal liaison for seven tribes. After his retirement, he worked as a consultant for the Cheyenne Arapahoe Tribal College. He was a member of the Nanticoke Delaware Tribe.

Don was an avid stamp collector and joined the Biology Study Unit in 1972. He was a member of Grace Christian Fellowship Church in Anadarko. He was a teacher and role model for generations of students.

He is survived by his wife, Carol Ahshapanek, of the home in Anadarko and three sons and their spouses: Darren and Michelle Ahshapanek, Anadarko; Don and Loriann Ahshapanek Jr., Hattiesburg, Mississippi; and Brian and Lonna Ahshapanek, Seattle; seven grandchildren: Rebekah Renwick, Daniel Ahshapanek, Andrew Ahshapanek, Sean Ahshapanek, Don Ahshapanek III, Tia Ahshapanek, and Niya Ahshapanek; four great-grandchildren; one brother, Marvin Johnson, New Jersey; and one sister, Carmelita Alaniz, Albuquerque. He was preceded in death by his parents.

NTSS 2015 REPORT

Jack R. Congrove, BU1424

The American Topical Association held its 66th annual National Topical Stamp Show at the Monarch Hotel and Conference Center on 31 July through 2 August 2015, in Clackamas, Oregon, a suburb of Portland. The NTSS is the largest topical stamp show in the world.

This year the show featured 17 dealers and 116 frames of competitive exhibits. Originally, the show planned to have 134 competitive frames, but two exhibits were forced to drop out too late to obtain replacements.

As a World Series of Philately national level show, the winner of the Grand Award is invited to compete for the Champion of Champions Award with the grand award winners of the other thirty WSP exhibitions at the annual American Philatelic Society Stamp Show. Because the total quantity of competitive frames was below the minimum 125, NTSS was granted a one-time waiver by the Chairman of the Committee on Accreditation of National Exhibitions and Judges (CANEJ) to enable the Grand Award winner to compete.

The show offered many other events including tours and a first day of issue ceremony for the “Fanciful Flowers” postal card. Yours truly was asked to speak briefly at the first day ceremony about collecting flowers on stamps. But as I do not collect flowers, instead I spoke about the different viewpoints on collecting identifiable species versus stylized depictions on stamps.



First Day Souvenir Presentation to Jack Congrove from Ron Schaer Portland District US Postal Service

The Thursday tour offered a chance to explore part of Portland. Among the sights was a tour of the Pittock Mansion and Powell’s City of Books.

I noted that several people (including me) added to their libraries during their visit to this huge store that occupies an entire city block.



Fanciful Flowers Postal Card



ATA Tour Group at Pittock Mansion

This year, NTSS instituted a trial “Free Style” non-competitive exhibit category to allow displays that ordinarily would not fit into one of the standard competitive divisions.

This category attracted five frames from four exhibitors. Two of these exhibitors were from our own Biology Unit: Susan B. Jones and Victor Eichler.

Susan Jones’s exhibit, “Chocolate Dinosaurs and Meaty Mammals,” introduced the viewer to paleoadvertising—the use of dinosaurs and other prehistoric images to sell everything from chocolate to motor oil.

Vic Eichler’s exhibit, “Frogs: Their Contributions to Human Cultures,” highlighted the many ways humans have benefited from contributions of frogs in arts, sciences, humanities, religion, and civic life.

Personally, I like having this type of exhibiting opportunity. Most collectors start by collecting the material they like without concern for making it into an exhibit. These displays enable such collectors to show us what they collect and to arrange it as they like. Perhaps the experience will encourage them to move into competitive exhibiting.

There were 11 competitive exhibits that featured a biological theme:

Beatrice Vogel*	“Spiders”
Susan B. Jones*	“Searching for African <i>Coelacanth</i> s”
Larry Davidson*	“Beavers: Nature’s Engineers”
Jean C. Stout*	“A Celebration of the Cockroach!”
Jean C. Stout*	“A Penguin Christmas”
Greg Herbert*	“The Butterfly Effect”
Roger van Laere*	“Atlantic Puffin: Clown of the Ocean”
Jane King Fohn	“Hillcountry Honkytonkin Rita Labrador Retriever”
Michael Birrer	“Early U.S. Malaria Treatments: Making the Remedy-Philately Connection”
Anne Harris	“Horace and Betty Get Married”
George DeKornfeld	“Making Whitetail Venison Sausage”

I do not think it is a coincidence that more than half of these exhibitors are current or former members of the Biology Unit (*). Because there were so many biology exhibits this year, the Unit Board decided to present three Biology Unit Awards instead of only one.

1st Prize: A hand-blown glass toucan made by artists at the Orient and Flume Studio in Chico, California. This award was won by Larry Davidson for his exhibit on beavers.

2nd Prize: This hand-blown glass bird was made in the Tacoma Museum of Glass hot shop in 2013 by two visiting artists from Finland’s Iitala Glassworks. Greg Herbert won it for his butterfly exhibit.

3rd Prize: This hand-blown glass ornament was made by artists at the Glass Eye Studio in Seattle. Appropriately, it contains ash from the 1980 Mount St. Helens eruption. Roger van Laere won this award for his exhibit on puffins.

By the way, Roger also got the unofficial prize for having traveled farthest to attend the show. He came all the way from Antwerp, Belgium.

Unit member exhibitors did extremely well at the show receiving a total of five Gold, one Vermeil, three Silver, and one Silver-Bronze medals.

Jean Stout won the Most Popular Exhibit award for “A Celebration of the Cockroach!” and Larry Davidson won the Grand Award for “Beavers: Nature’s Engineers.” He will get to compete for the Champion award at the APS Stamp Show next year back in Portland, Oregon.

The Biology Unit manned its own booth at the show in order to recruit new Unit members. The Board devised a promotional offer enabling new members to receive the remaining two editions of the journal for 2015 and all of 2016 for the cost of a one-year membership.

In addition, new members received a free copy of the latest edition of *Biophilately* along with *The Mother of All Indexes*, which contains an index of all articles from Volumes 1–62 as well as a history of the Unit. So, in effect new members got one and three-quarters year of the journal for their dues.

As a result, we were able to recruit six new members and get a renewal and reinstatement as well.

On Saturday evening, the Biology Unit was the sponsor of the Awards Banquet. At this dinner, it is a tradition to introduce the recipient of the Distinguished Topical Philatelist award. This is the highest award given by the ATA. It had been awarded to 118 persons previously and this year none other than our own Donald Wright was the recipient. Another feather in the cap of the Biology Unit.



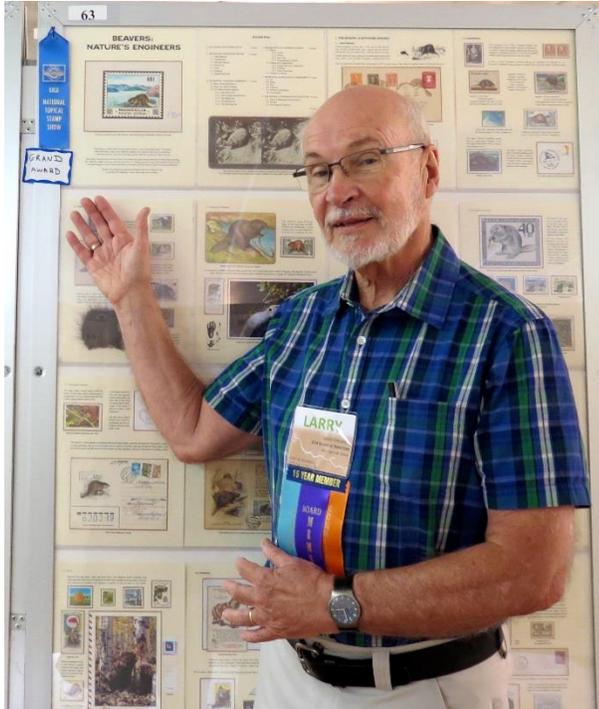
Biology Unit First Prize



Biology Unit Second Prize



Biology Unit Third Prize



Larry Davidson with his Grand Award-winning exhibit



ATA President Jack Denys presents 2015 DTP Award to Donald P. Wright, Jr.

The Biology Unit held its annual meeting at the show on Saturday. There was a good turn-out of 17 attendees. See the report on page 141.

There was some difficulty with the tour to Mount St. Helens on Monday. The group toured the Visitor's Center at Silver Lake and then had a picnic lunch at the Forest Learning Center where they also got to see display explaining the salvage and recover efforts after the 1980 eruption.

However, on the way to the Johnston Ridge Observatory, the highlight of the tour, our bus suffered a mechanical breakdown and the tour was forced to forego the remainder of the trip and return to the hotel in a replacement bus. This was very disappointing since we had enjoyed the tour up to that point, but these things happen and thankfully no one was hurt and we were only slightly behind our return time for those who had other appointments.

As a benefit of the being the featured study unit, we were able to present a one-frame promotional display exhibit among the other non-competitive exhibits.

On the following pages you will find scans of the exhibits pages from the Biology Unit exhibit shown at NTSS. Thanks to Don Wright, Chris Dahle, Ian Hunter, Paul Mistretta, and Michael Kogan for their help in preparing the pages and providing exhibit material.

Next year, there will be no NTSS. Instead the ATA and the Biology Unit will meet at the international stamp show in New York City (NY-2016) scheduled for 28 May through 4 June at the Javits Center. The ATA meeting will be held at 1:00 PM on Friday, 3 June. Make your plans now to attend.

BIOLOGY STUDY UNIT of the ATA

The Biology Unit has the distinction of being the second oldest study unit in the American Topical Association. It was founded on 22 May 1951, by Homer L. Jones and six other collectors. It has grown to include a total of almost 1,900 members over the period of its existence. Other than perhaps the very general topic of notable persons, biological themes form the largest category of topical postage stamp issues.

From its very beginning, its members were involved with the production of topical listings. The Unit has supported more AIA Handbooks than any other starting with HB1-2, *Biology Philately*, and including three handbooks on Horses, six on Flowers and Plants, five on Birds, four on Insects and Invertebrates, two on Fish, two on Pharmacy, and four on various Mammals including Bats and Bears.

Twenty-nine of the 118 recipients (nearly one-quarter) of the Distinguished Topical Philatelist award, the highest honor bestowed by the ATA, have been members of the Biology Unit.

The Biology Unit, throughout its 64-year history, has been a leader in the field of topical philately. It was the first study unit to produce topical handbooks and its members have been responsible for the publication of more ATA handbooks than any other unit. It was the first to provide a special topical exhibit award. It has provided leaders not only to many other philatelic organizations, but to the scientific and educational communities as well. Its Unit journal is one of the oldest philatelic periodicals in continuous existence, and its members have received philatelic and academic honors too numerous to list.

Collecting stamps portraying the natural world has long been one of the most popular topical pursuits. These always head popularity listings of thematic subjects. Collecting all plants and animals on stamps is virtually impossible, but concentrating on a single topic or a narrower field is the conventional approach.



souvenir sheet, Czech Republic, 4 September 2013 depicting the flora and fauna of the Karlštejn region
all species of plants & animals are identified by their scientific name except for two (can you find them?)

BIOLOGY STUDY UNIT

Biophilately is the quarterly journal published by the Biology Unit. The purpose of this journal is to provide members with informative articles dealing with biological topics and to publish listings covering the new zoological and botanical issues of the world, identified and classified to the best of our editors' ability.



Evolution of the Biology Unit journal

The journal contains news articles of interest to the unit members as well as articles on subjects pertaining to the biology topic. There are also recurring columns such as "New Birds in the Philatelic Aviary." A large portion of the publication is devoted to listings of new issues with biological themes.

There is a separate Associate Editor for each of the botanical and zoological new issue sections.

Membership dues to receive printed copies are \$20 per year for US & Canada, and \$25 per year for international members. Electronic membership is \$15 per year. Please see the Biology Unit website (www.biophilately.org) for membership applications. Several payment options are available. Send applications and payments payable to the Biology Unit of AIA to: Chris Dahl, 1401 Linmar Drive NE, Cedar Rapids, IA 52402.

PALEONTOLOGY

Paleontology is a science dealing with the life of past geological periods and sometimes including the start of the Holocene Epoch roughly 11,700 years before present. The major purpose of paleontology is to reconstruct the evolution of life on Earth, based on fossilized remains and traces of prehistoric animals and plants.

Paleontologists digging for fossils:



Vertebrate Paleontology concentrates on fossils of vertebrates, from the earliest fish to the immediate ancestors of modern mammals.



Most impressive objects of this subdivision study are giant reptiles (Dinosaurs, Mosasaurs, and Pterosaurs).



PALEONTOLOGY

Invertebrate Paleontology deals with fossils of invertebrates such as mollusks, arthropods, annelid worms, etc.



Paleobotany focuses on the study of fossil plants, but traditionally includes the study of fossil algae and fungi, includes the study of terrestrial plant fossils as well as the study of marine autotrophs, such as algae.



Other subjects to consider for collection are: paleontologists, contributors to paleontology science, fossil discovery sites, and museums with significant fossil collections.



Note: There are many more subdivisions of Paleontology not included in this short presentation, such as Paleoichthyology, Paleocology, Micropaleontology, Palynology, Paleoanthropology, etc.

BOTANY

Botany is the study of plants, the great engine that regulates the atmosphere, and converts solar energy into food for all life on Earth. You can collect a variety of topics, or restrict yourself to topics such as roses (left) or orchids (right).

The addition of a mixcard can enhance a collection, especially for an exhibit.

For the gardening philatelist, a large variety of garden flowers is available, for both outdoor and indoor enthusiasts.

BOTANY

One can specialize with endemics, flora indigenous to a specific area, especially on islands like Fiji or Norfolk.

Or look at new discoveries in the plant world, to compare them with the fossil record.

Why not consider fruit: peaches, pears, cherries and strawberries?

While you are at it, how about going tropical with sourp or avocado?

And do not forget food crops, grains and spices.

Plants are also the source of timber... chemicals... and medicines.

Collect Botany - It's fun!

FUNGI (Mycology)

Fungi are Fun-Guys!

Formerly classified as plants, the lack of chlorophyll (among other things) has caused fungi to be isolated in their own Class of organisms. The lack of chlorophyll means that they cannot produce their own food. So, they parasitize other plants or animals or decompose dead plant or animal tissue to get nutrition for growth and reproduction.

Collecting by group can limit the scope of a fungus-on-stamps collection. You might also distinguish by function/effect in a variety of ways: are they edible or toxic, do they produce antibiotics, do they attack living organisms or live on dead materials, can they cause hallucinations ("magic" mushrooms), etc.

LES CHAM

Or you can go for it and attempt a collection of the approximately 8,000 (and growing) fungi on stamps. Or even convert your simple topic into a thematic collection, add lichens on stamps, mycologists on stamps, fungus related cancels (including first day covers), fungus related postal stationery (post and postal cards, envelopes, aerograms, match book covers, cigar bands, currency,...

Whatever you decide to collect, just have fun.

MAMMALS (Mammalogy)

Mammal distinguishing characteristics include the possession of hair, three middle ear bones, mammary glands in females, and a neocortex region in the brain. The Mammalia include the largest animals on the planet, as well as some of the most intelligent. Except for the five species of monotremes (egg-laying mammals), all modern mammals give birth to live young. Mammals come in many unusual sizes and shapes.

Equines include wild species such as zebras and Przewalski's horse, and many breeds of domesticated horses.

The Primate order includes humans as well as lemurs.

Even-toed ungulates include bison, antelopes, sheep, and deer.

MAMMALS (Mammalogy)

Not all mammals are land animals. Whales and dolphins once lived on land, but later returned to the seas.



Common Dolphin



Blue Whale



Killer Whale

Some mammals such as the Anteater are insectivores. Others such as the panda eat only the leaves of a particular tree.



Tamandua



Panda

Wombats, kangaroos, koalas, and opossums are marsupial mammals, carrying their young in a pouch.



Wombat

The otter resembles, but is not related directly to rodents such as the beaver and squirrel.



European Otter



Beaver



Red Squirrel

Carnivores are a very large group including wolves, bears, and cats, among others.



Jaguar



Gray Wolf



Polar Bear

BIRDS (Ornithology)

Collecting birds on stamps has been one of the most popular topical interests for many years. The Biology Unit has had more bird collectors than any other single topic. With so many stamp issues featuring birds, it would be difficult to collect the whole subject. Many collectors narrow their selection to a family.

There are about 150 species of waterfowl, among them ducks, mergansers, geese, and swans.



Tufted Duck



Blue Duck



American Merganser

Wading bird species are found worldwide and include cranes, rails, and moorhens.



Black-crowned Crane



Takahē



Tristan Moorhen

Chickens and turkeys belong to the same group as gamebirds like quail, pheasant, partridges, and grouse.



Mikado Pheasant



Domestic Chicken

There are 17 different species of penguins.



Emperor Penguin

Woodpeckers, barbets, and toucans are in the same Order.



Himalayan Barbet

BIRDS (Ornithology)

There are more than 200 different species of owls divided into two families: true owls and barn owls.



Great Horned Owl



Barn Owl

Birds of prey include falcons, hawks, eagles, ospreys, vultures and condors.



Falcon



California Condor



Bald Eagle

Songbirds make up more than half of all bird species.



Regent Bower Bird



Willow Warbler



Golden Oriole



Robin

There are more than 370 species of parrots found in tropical and subtropical regions.



Blue and Yellow Macaw

FISH (Ichthyology)

Ichthyology is the scientific study of fishes and as a topic, fish and fishing related themes offer a wide range of collecting options. The world of tropical reef fish includes many colorful varieties.



Some fish are named after other animals.



Wolf fish

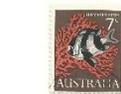


Lion fish



Tiger barb

Sport fish such as rainbow trout can make interesting studies.



Commercial fishing is part of this topic.

REEF CORALS OF THE CARIBBEAN

Corals are the most common animals on the coral reefs of the Caribbean. There are over 80 different hermatypic corals found on the reefs throughout the Caribbean. This display shows some of the common corals from these reefs.

Acropora palmata, Elkhorn Coral, is the most common coral on Caribbean reefs. It is common in the shallowest and highest energy portion of the reefs.



Souvenir Sheet of *Acropora palmata* Elkhorn Coral. This souvenir sheet is overprinted "BARBUDA MAIL" to be used from mail from Barbuda.

Eusmilia fastigata,
Flower Coral



Nevis

Scolymia wellsi, a
rare solitary coral.



Caribbean Netherlands

Diploria strigosa,
Brain Coral



Aruba

Acropora cervicornis,
Staghorn Coral, is also
common present in a slightly
deeper portion of the reefs.



British Virgin Islands



Barbados stamp that has been surcharged 4 cent over 5 cent

Montastrea annularis, a
common head coral



Venezuela

Porites porites, Finger Coral,
is also found in the east
Atlantic off the coast of
Africa.



Cape Verde

ENTOMOLOGY ON STAMPS

Entomology is the study of insects. There are more than 10,000 stamps showing insects and because of this, many people select one area of interest such as butterflies and moths, beetles, honeybees, flies, dragonflies, crop pests, disease-carrying insects, insects in fairy tales and many other subjects.

Here are some of the members of the six families of butterflies:



Orange Tip Holly Blue Blue Doctor Blue Morpho



Tiger Swallowtail Skipper Monarch

There are many moth families, perhaps the showiest moths being these:



Orizaba Silk Moth Puss Moth larva Moon Moth



Io Moth Atlas Moth Death's Head Moth

Beetles such as the following can be seen on stamps:



Sycophant Jewel Beetle Hercules Beetle
Firefly Ladybird Beetle Longhorn Beetle

Damselflies and dragonflies such as the following can be seen on stamps:



Damselfly Dragonfly Emperor Dragonfly

Disease-Carrying Insects



Tsetse Fly Mosquito Honeybee Bee-Keeping

Crop Pests



Potato Beetle Migratory Locust Gypsy Moth

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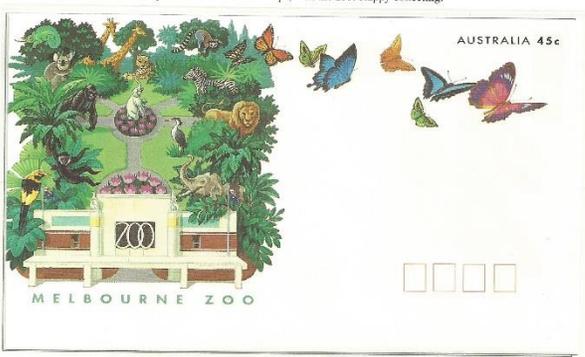
Regular membership (US & Canada) \$20 per year
Overseas membership \$25 / Overseas airmail (add) \$10
On-line membership \$15

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Paleontology |

If you need a rest from stamps, visit the zoo! Happy collecting!



postal stationery, Australia, 28 September 1994
issued to promote the Melbourne Zoo and Stampshow '94 held in Melbourne

CULTURAL ARTIFACTS OF FROGS ON POSTAGE STAMPS

Dr. Vic Eichler, BU1850

Clues to past cultures are provided by artifacts that remain from ancient times. Artifacts provide historical evidence of symbols that were important to the culture in past times. Depiction of such handiwork in modern times, such as on postage stamps, reveal that such images are still important to the culture. Presented here are several images of amphibians from many countries that have been used to illustrate their stamps.

A stamp from the Caribbean British territory of Anguilla, issued in 2003, shows a worked shell ornament in the shape of a frog. Species of frogs endemic to Caribbean islands have loud mating calls that have become symbolic of fertility and well-being to the people of the islands.



Stone Carving
Brazil, 1989, Sc#2208

A stone carving of a frog on this stamp from Brazil represents 500 years since the discovery of America. In many cultures frogs represent good luck with the harvest as they are symbolic of rain which is needed to grow the crops.



Shell Carving
Anguilla, 2003, Sc#1098

The People's Republic of China issued a stamp in 1973 showing a bronze inkwell in the likeness of a frog or toad. Historically the frog represents wealth and good fortune in the Chinese culture. Many homes keep a statue of Ch'an Chu, the three-legged frog holding a coin in its mouth, to guarantee protection and prosperity for the household.



Gold Decoration
Colombia, 1978, Sc#C669

A stamp from Colombia has the image of a gold salamander from the South American Quimbaya culture, which was established in the area that is now Colombia. This civilization dates to the 4th Century CE and is known for spectacular work in gold.



Bronze Inkwell
China P.R., 1973, Sc#1137

Three stamps have been issued by Costa Rica with images of frogs that date to the pre-Columbian period. The 50-centimos stamp appears to have a carved artifact frog-shaped in stone. The 1989 and 2007 issues show the same or similar gold pendants shaped as a frog. The 4-centimos stamp was issued to commemorate five centuries since the discovery of America.



Stone Carving
Costa Rica, 1963, Sc#C384



Gold Pendant
Costa Rica, 1989, Sc#422



Gold Pendant
Costa Rica, 2007, Sc#602a



Wood Carving
Zimbabwe, 1996, Sc#764

This Zimbabwe stamp with a frog carving was issued in 1996. The word in the margin, *Ixoxo*, is the Zulu word for frog. No other information is available about the nature of the illustrated piece.

Flora & Fauna



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MILESTONES OF PALEO-PHILATELY

Michael Kogan, BU1863

[Ed. Note: This article is the first of a three-part commentary on the history of stamp issues depicting Paleontology subjects by Michael Kogan, our Associate Editor for Paleontology and the creator of the Paleophilatelist website.]

“Paleontology, also spelled palaeontology, scientific study of life of the geologic past that involves the analysis of plant and animal fossils, including those of microscopic size, preserved in rocks. It is concerned with all aspects of the biology of ancient life forms: their shape and structure, evolutionary patterns, taxonomic relationships with each other and with modern living species, geographic distribution, and interrelationships with the environment. Paleontology is mutually interdependent with stratigraphy and historical geology because fossils constitute a major means by which sedimentary strata are identified and correlated with one another. Its methods of investigation include that of biometry (statistical analysis applied to biology), which is designed to provide a description of the forms of organisms statistically and the expression of taxonomic relationships quantitatively.” —Encyclopedia Britannica

The first stamps issued in the mid-19th century have boring designs. They were rectangular or square in shape, depicted the leader of the country: king, queen, president, or had just a face value. Even though people around the world began collecting stamps almost immediately. The first philatelists tried to find production differences between stamps of the same design—color or paper variations, difference in perforation, some errors on images, etc.

It took over 30 years until the first commemorative stamp was issued. In 1871, Peru issued a stamp showing a locomotive. Shortly after, many other postal authorities began issuing stamps dedicated to important events, local and worldwide famous places, landscapes, famous persons of the county, etc. Nowadays postage stamps are not only evidence of postal payment, but also ambassadors of the country. They tell us a story of the issuing country, shows us famous persons, landscapes and scenic sights, cultural and sporting events, and local flora and fauna.

The fossilized remains of prehistoric animals, especially large ones, such as dinosaurs or giant mammals, have always stirred the imagination of people, creating all sorts of myths and legends about Dragons, Cyclops, and ancient Giants. The well-preserved remains of the ancient inhabitants of the earth have very great scientific and material value. Some of them even have the status of national treasure.

Philatelic Firsts

This article is about milestones of Paleo-Philately, the thematic collection of Paleontology-related philatelic materials.

The Sinclair Oil Company used this meter franking, as well as their regular advertisements, to promote their motor oil. They chose a dinosaur for company logo as a symbol of the great length of time their oil spent in the ground.

In 1935 and 1938, Sinclair Refining Company ran ad campaigns. As part of them, they issued set of stamp-like labels depicting various dinosaurs. These were intended for children. In each program when you went to a Sinclair station on week one you would be given a stamp album. Then on each of the eight following weeks you would be given a new sheetlet of stamps.



The first appearance of a dinosaur on a postal item
United States, ca.1935

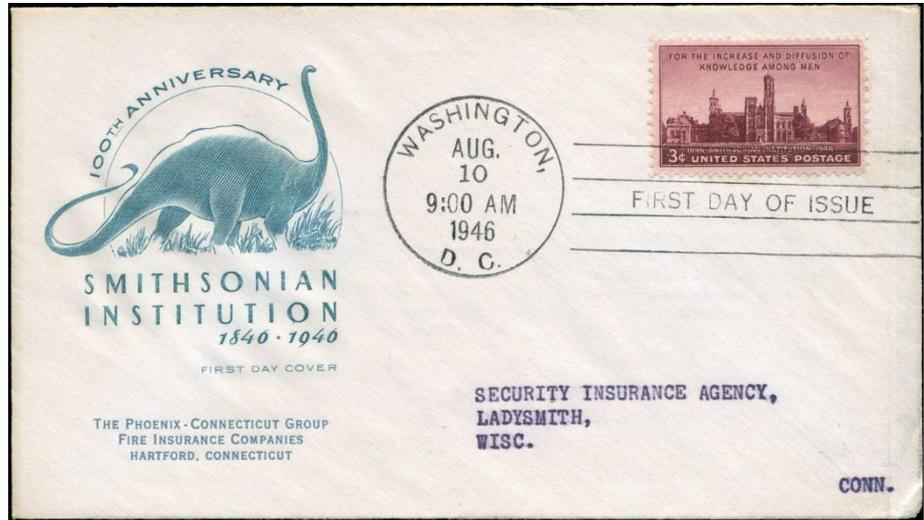
The books had some advertising material, but mostly contained scientific and historical information to explain the dinosaurs and petroleum to children.

On 10 August 1946, the U.S. Post Office Department issued a stamp to celebrate the centenary of the Smithsonian Institution. The stamp itself shows the Smithsonian’s buildings in Washington, D.C. (Actually this stamp itself can be considered as a paleontological thematic because the Institution has very large Paleobiologic Department.) An illustration on the left side of the First Day Cover shows a sauropod, most likely a Diplodocus.

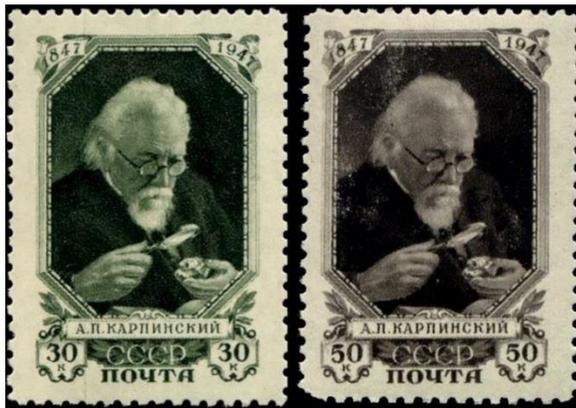
The following year on 17 January 1947, Russia issued the first stamp showing a paleontologist.

Actually it is a set of two stamps, 30 kopejka (100k = 1 ruble) dark green and 50k sepia. These stamps show a portrait of A.P. Karpinsky (1847–1936).

He is most known as the first elected president of Russian Science Academy. However, he was also great geologist and paleontologist, who made some important discoveries in Ural Mountains area of Russia.



Dinosaur appearance on an FDC cachet United States, 1946, Sc#943



First stamps depicting a paleontologist Russia, 1947, Sc#943

On 3 March 1952, Russia issued a 40k stamp titled, “Greatest Russian scientist biologist-paleontologist: V. O. Kovalevskij” This stamp honors V.O. Kovalevsky (1843–1883) and is actually the first stamp dedicated to paleontologist.



First stamp dedicated to a paleontologist Russia, 1952, Sc#1616



First stamp depicting a fossil Romania, 1967, Sc#1941

The first stamp of scientists with a prehistoric animal fossil on a background has been issued in Romania on 29 July 1967, as part of set of famous Romanian people. The 40-bani shows Grigore Antipa (1867–1944), a Romanian biologist and director of the Bucharest Natural History Museum.

Some websites and even philatelic books and catalogs mention this stamp as the first stamp to depict paleontologist on. However, Antipa was not a paleontologist at all. He was a zoologist, ichthyologist, economist, ecologist, oceanologist, and museologist. He founded the Romanian school of Hydrobiology, Ichthyology, and Oceanology; was a pioneer in the field of museology; and was the author of modern concepts in ecology, bio-sociology, and biosphere.

As director of the Bucharest Natural History Museum, he made an important contribution to the organization of phylogenetic and ecological collections. As a token of gratitude for his work in the museum since 1933, the museum now bears his name. The confusion is caused by the fossil of *Deinotherium giganteum* depicted on the background of the stamp. It is there only because it is the most impressive exhibit of the museum.

Contributors to Paleontology

Another group of persons to mention is contributors to Paleontological science.

People have found fossils since ancient times, but Paleontology as a science was established in the middle of the 19th century. The establishment was impossible without the help of scientists from many other sciences such as biology, botany, and geology. Many politicians and wealthy persons supported the young science.

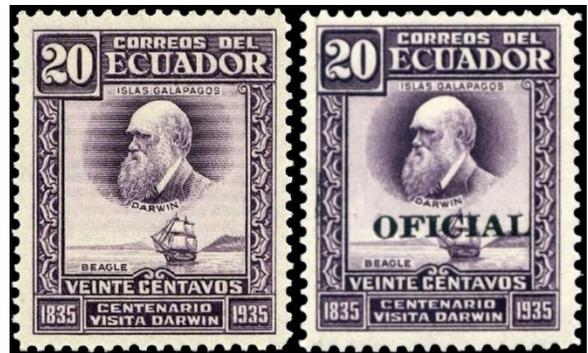


Carl von Linné (Linnaeus)
Sweden, 1939, Sc#294 & 298

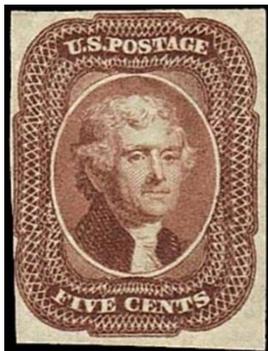
Modern biology, botany, and of course paleontology classifies all animals and plants according a taxonomic system proposed by Swedish botanist Carl Linnaeus in the mid-18th century. The first stamp honoring Linnaeus was issued by Sweden on 2 June 1939.

The foundation of Paleontology is the evolutionary theory of Charles Darwin, who published his famous work, *On the Origin of Species by Means of Natural Selection, or the Preservation of Favoured Races in the Struggle for Life*, in 1859.

The first stamps to depict Darwin were issued by Ecuador in 1936, to commemorate the 100th anniversary of his visit to the Galapagos Islands. Later the same year the stamps were overprinted for official use.



Charles Darwin first commemoration
Ecuador, 1936, Sc#343 & O193



Thomas Jefferson
U.S., 1856, Sc#12

One of most notable contributors to establishment of Paleontology science in United States was the third US President Thomas Jefferson.

Jefferson is rightfully renowned as the principal author of the Declaration of Independence, the Third President of the United States, and a champion of liberty. But he was also a central player in the beginnings of American paleontology. In addition, his participation occurred at a time when people were struggling with the ideas of fossils as evidence of past life, of extinction, and of an Earth far older than the Biblical account.

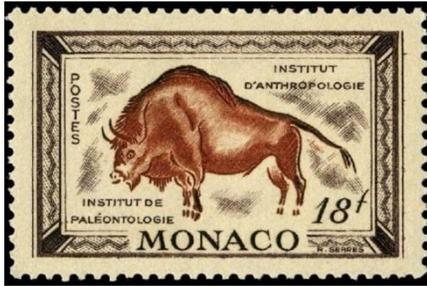
Some of the objects of Jefferson's paleontology became part of the collections at the American Philosophical Society in Philadelphia. Beginning in 1849, these holdings were transferred to the Academy of Natural Sciences of Philadelphia, where they are currently housed. This is the Thomas Jefferson Fossil Collection.

- The American Mastodon is the most important species in this collection. The identity and nature of this mysterious creature captured the interest and imagination of people in both Europe and North America.
- The Giant Claw, or *Megalonyx*, was the subject of the first scientific papers in American paleontology.
- Six other fossil animals are also part of this collection: Ancient Bison (*Bison antiquus*), Ancient Horse (*Equus cf. E. complicatus*), Harlan's Musk Ox (*Bootherium bombifrons*), Megalodon Shark (*Carcharocles megalodon*), Stag Moose (*Cervalces scotti*), and Woolly Mammoth (*Mammuthus primigenius*).

Next to the American Mastodon, Jefferson's Ground Sloth is the most important fossil animal represented in this collection. This unusual animal was the subject of the first and second scientific articles on fossils ever published in the United States. —from <http://www.ansp.org/>

On 5 March 1949, the Monaco Post issued a set of three stamps showing various areas of interest of Prince Albert I, who had a keen interest in the origins of man and who founded the Institute for Human Paleontology in Paris that was responsible for a number of archeological digs.

One stamp depicts an aurochs drawing from the famous Lascaux cave, and the other two show the buildings of the Institute for Human Paleontology in Paris and the *Musée d'Anthropologie Préhistorique* in Monaco. All three are the first stamps in their category.



First prehistoric drawing
Monaco, 1949, Sc#244



First Paleontology museum
Monaco, 1949, Sc#C22



Prehistoric Anthropology
Monaco, 1949, Sc#C23

[Ed. Note: See the next edition of *Biophilately* for the continuation of this article that will deal with depictions of prehistoric animals on stamps.]

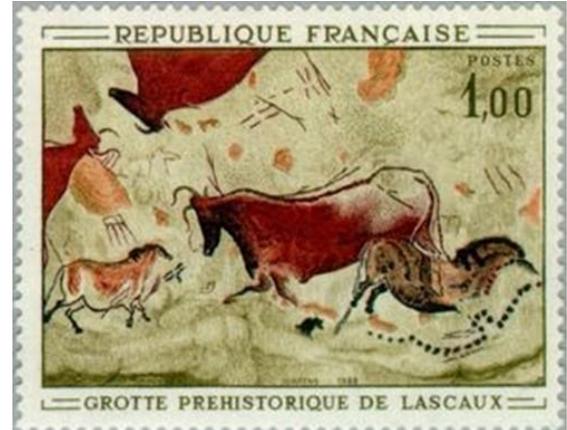
PREHISTORIC ART

On 13 April 1968, France issued a stamp in its Tourism series (Sc#1204) part of a set of four depicting a small portion of the stunning Paleolithic artwork discovered in the Lascaux Cave in 1940. The paints are estimated to be 17,300 years old.

This cave contains nearly 2,000 figures, mostly images of large animals that, based on fossil evidence, are known to have lived in the area at the time.

The central figure on this stamp depicts an aurochs (*Bos primigenius*) a type of wild ox.

This multicolor commemorative stamp measures 48×27 mm and is perforated 13×12. A total of 7.747 million stamps were printed using the intaglio process.



As is often the case when humans get involved with things, opening the cave to tourists quickly resulted in detrimental consequences to the cave paintings. Heat, humidity, carbon dioxide, and contaminants produced by visitors has caused damage and introduced lichens and black mold.

Currently, the cave is closed except for a few scientific experts working to preserve these priceless and irreplaceable artifacts of early humanity.

Having hopefully learned a lesson from these events, officials in charge of the Chauvet Cave, which contains spectacular artwork from 32,000 to 30,000 years ago, have sealed it off from access to the public. They have built a full scale replica of the interesting portions of the cave based on laser scans and locate some distance away.

The Chauvet Cave played a prominent role in Jean M. Auel's 2011 novel, *The Land of Painted Caves*.



BOTANY

Editor

Christopher E. Dahle, BU1269

New Listings



Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
BARBADOS				
2014 December 18 (Gardens) (Set of 4 & MS of 4)				
1238	10c	Gardenia Garden		V B U
1239	65c	Hunte's Garden		V B U
1240	\$1.80	Glendale Garden		V B U
1241	\$2.20	Eusteen's Garden		V B U
1242a	\$1	Flower Arrangements		Fl A MS
1242b	\$1	Flower Arrangements		Fl A MS
1242c	\$1	Flower Arrangements		Fl A MS
1242d	\$1	Flower Arrangements		Fl A MS
CANADA				
2015 March 2 (Pansies, perf 13×13¼)				
2809a	P (85c)	Delta Premium Pure Light Blue, <i>Viola</i> 'Delta Premium Pure Light Blue'	Violaceae	Fl A SS
2809b	P (85c)	Midnight Glow, <i>Viola</i> 'Midnight Glow'	Violaceae	Fl A SS
2015 March 2 (Pansies, s/a, die cut 8¼)				
2810	P (85c)	Delta Premium Pure Light Blue, <i>Viola</i> 'Delta Premium Pure Light Blue'	Violaceae	Fl A
2811	P (85c)	Midnight Glow, <i>Viola</i> 'Midnight Glow'	Violaceae	Fl A
2015 March 2 (Pansies s/a, die cut 13½)				
2812	P (85c)	Delta Premium Pure Light Blue, <i>Viola</i> 'Delta Premium Pure Light Blue'	Violaceae	Fl A
2813	P (85c)	Midnight Glow, <i>Viola</i> 'Midnight Glow'	Violaceae	Fl A
2015 May 3 (Centenary "In Flanders Fields," by John McCrae)				
2835	P (85c)	Poppy, <i>Papaver rhoeas</i> (perf 12½)	Papaveraceae	Fl A
2836	P (85c)	Poppy, <i>Papaver rhoeas</i> (bklt die cut 13¼×13½)	Papaveraceae	Fl A
GUYANA				
1991 December 19 (Sc#2373 surch)				
2487A	\$600	<i>Galeandra devoniana</i>	Orchidaceae	Fl A SS
LATVIA				
2014 December 4 (Latvian Pride, singing trees)				
893	50c	U/I trees	Pinaceae	T S A
2015 January 9 (Flower type of 2014) (imprint '2015') (Set of 5)				
895	10c	Crocuses, <i>Crocus longiflorus</i>	Iridaceae	Fl A
896	25c	Asters, <i>Callistephus chinensis</i>	Asteraceae	Fl A
897	70c	Lilies, <i>Lilium auratum</i>	Liliaceae	Fl A
898	78c	Gerbera Daisies, <i>Gerbera x hybrida</i>	Asteraceae	Fl A
899	€2.13	Pansies, <i>Viola x wittrockiana</i>	Violaceae	Fl A
NAMIBIA				
2014 July 28 (Flora & Fauna of the Kalahari Desert) (MS of 10)				
1293c	(\$6)	Shepherd's Tree, <i>Boscia albitrunca</i>	Capparaceae	T A MS Z
1293g	(\$6)	Gemsbok Cucumbers, <i>Acanthosicyos naudinianus</i>	Cucurbitaceae	Fr A MS
1293i	(\$6)	Trumpet-thorn, <i>Catpfractes alexandri</i>	Bignoniaceae	Fl A MS

NEPAL		2014 December 31 (Flora) (Set of 4)		
936	40r	Wild Asparagus, <i>Asparagus racemosus</i>	Asparagaceae	Fl A
937	40r	Chireta, <i>Swertia chirataya</i>	Gentianaceae	Fl A
938	40r	Long Pepper, <i>Piper longum</i>	Piperaceae	Fl A
939	40r	Fragrant Wintergreen, <i>Gaultheria fragrantissima</i>	Ericaceae	Fl A
NETHERLANDS		2014 January 2 (Dutch Items) (s/a Bklt pane 10 & Bklt pane of 5)		
1461h	(64c)	Tulip, <i>Tulipa x hybrida</i> (die cut 14¼)	Liliaceae	Fl A MS
1462e	(€1.05)	Tulip, <i>Tulipa x hybrida</i> (die cut 11¼)	Liliaceae	Fl A MS
		2014 April 22 (Orchids) (MS of 10) (also bklt panes of various pairs)		
1472a	(64c)	Fragrant Orchid, <i>Gymnadenia conopsea</i>	Orchidaceae	Fl A MS
1472b	(64c)	Military Orchid, <i>Orchis militaris</i>	Orchidaceae	Fl A MS
1472c	(64c)	Man Orchid, <i>Orchis anthropophora</i>	Orchidaceae	Fl A MS
1472d	(64c)	Pyramidal Orchid, <i>Anacamptis pyramidalis</i>	Orchidaceae	Fl A MS
1472e	(64c)	Heath Spotted Orchid, <i>Dactylorhiza maculata</i>	Orchidaceae	Fl A MS
1472f	(64c)	Lady Orchid, <i>Orchis purpurea</i>	Orchidaceae	Fl A MS
1472g	(64c)	Lesser Butterfly Orchid, <i>Platanthera bifolia</i>	Orchidaceae	Fl A MS
1472h	(64c)	Early purple Orchid, <i>Orchis mascula</i>	Orchidaceae	Fl A MS
1472i	(64c)	Frog Orchid, <i>Dactylorhiza viridis</i> (= <i>Coeloglossum viride</i>)	Orchidaceae	Fl A MS
1472j	(64c)	Monkey Orchid, <i>Orchis simia</i>	Orchidaceae	Fl A MS
NEVIS		2014 July 7 (Orchids Type of 2014) (MS of 4 & SS of 2)		
1808a	\$4	<i>Laelia gouldiana</i>	Orchidaceae	Fl A MS
1808b	\$4	<i>Miltonia regnellii</i>	Orchidaceae	Fl A MS
1808c	\$4	<i>Epidendrum fulgens</i>	Orchidaceae	Fl A MS
1808d	\$4	<i>Cattleya alaoirii</i>	Orchidaceae	Fl A MS
1810a	\$9	<i>Phalaenopsis</i>	Orchidaceae	Fl A SS
1810b	\$9	<i>Miltoniopsis</i>	Orchidaceae	Fl A SS
NEW CALEDONIA		2014, September 8 (Flora & Fauna of the Mining Scrubland) (SS of 3)		
1183b	110fr	<i>Grevillea gillivrayi</i>	Proteaceae	Fl A MS
1183c	110fr	<i>Deplanchea sessilifolia</i>	Bignoniaceae	Fl A MS
		2014 October 6 (Bonsai by Jean-Jacques Mahuteau)		
1184	150fr	<i>Murraya paniculata</i>	Rutaceae	T A
		2014 November 6 (Naiouli Flowers & Oil Distillation)		
1187	190fr	Naiouli, broad-leaved paperbark, <i>Melaleuca quinquenervia</i>	Myrtaceae	Fl V A
PAKISTAN		2014 December 4 (Norman Borlaug, Nobel Peace Laureate)		
1215	8r	Wheat, <i>Triticum aestivum</i>	Poaceae	Fr B
PALAU		2014 January 2 (Modern Art) (MS of 3)		
1191c	\$1.50	“The Red Tree,” by Marsden Hartley		T A U
		2014 May 12 (South Korean s-o-s) (MS of 8)		
1211e	\$1	Thistle, <i>Cirsium japonicum</i> v. <i>maackii</i> (S. Korea Sc#948)	Asteraceae	Fl A
		2014 August 14 (Tourist Attractions in Russia) (MS of 3)		
1227		U/I flowers (margin)		Fl B MS Z
PARAGUAY		2013 August 19 (Paraguayan-Japanese Center) (Horiz pair + label)		
2964b	11000g	Cherry blossoms, <i>Prunus mume</i>	Rosaceae	Fl A

ROMANIA**2014 January 29** (Desert Flowers) (Set of 4) (Each issued in sheet of 4)

5516	1L	<i>Echinocereus triglochidiatus</i>	Cactaceae	Fl A
5517	1.40L	<i>Baileya multiradiata</i>	Asteraceae	Fl A
5518	8.10L	<i>Solanum elaeagnifolium</i>	Solanaceae	Fl A
5519	14.50L	<i>Hibiscus denudatus</i>	Malvaceae	Fl A

ST. KITTS**2014 September 4** (Cactus Flowers) (MS of 6 & SS of 1)

880a	\$2.25	<i>Gymnocalycium platense</i> (= <i>Echinocactus quehlianus</i>)	Cactaceae	Fl A MS
880b	\$2.25	<i>Cereus polyachaetus</i> (= <i>chalybaeus</i>)	Cactaceae	Fl A MS
880c	\$2.25	<i>Denmoza rhodacantha</i> (= <i>Cereus rhodoleucanthus</i>)	Cactaceae	Fl A MS
880d	\$2.25	<i>Cereus hankeanus</i>	Cactaceae	Fl A MS
880e	\$2.25	<i>Phyllocactus gordonianus</i>	Cactaceae	Fl A MS
880f	\$2.25	<i>Cereus repandus</i> (= <i>peruvianus</i>)	Cactaceae	Fl A MS
881	SS \$9	<i>Gymnocalycium anisitsii</i> ssp. <i>damsii</i> (= <i>Echinocactus damsii</i>)	Cactaceae	Fl A SS

ST. VINCENT**2014 June 23** (Sunflowers) (2ea MS of 4, SS of 2, & SS of 1)

3936a	\$3.25	Sunflowers, <i>Helianthus annuus</i>	Asteraceae	Fl A MS
3936b	\$3.25	Sunflowers, <i>Helianthus annuus</i>	Asteraceae	Fl A MS
3936c	\$3.25	Sunflowers, <i>Helianthus annuus</i>	Asteraceae	Fl A MS
3936d	\$3.25	Sunflowers, <i>Helianthus annuus</i>	Asteraceae	Fl A MS
3937a	\$3.25	Sunflowers, <i>Helianthus annuus</i>	Asteraceae	Fl A MS
3937b	\$3.25	Sunflowers, <i>Helianthus annuus</i>	Asteraceae	Fl A MS
3937c	\$3.25	Sunflowers, <i>Helianthus annuus</i>	Asteraceae	Fl A MS
3937d	\$3.25	Sunflowers, <i>Helianthus annuus</i>	Asteraceae	Fl A MS
3938a	SS \$5	Sunflowers, <i>Helianthus annuus</i>	Asteraceae	Fl A SS
3938b	SS \$5	Sunflowers, <i>Helianthus annuus</i>	Asteraceae	Fl A SS
3939	SS \$10	Sunflowers, <i>Helianthus annuus</i>	Asteraceae	Fl A SS

2014 July 1 (Orchids of the Caribbean) (2ea MS of 4 & 2ea SS of 2)

3940a	\$3.25	<i>Cattleya mendelii</i>	Orchidaceae	Fl A MS
3940b	\$3.25	<i>Cattleya trianae</i>	Orchidaceae	Fl A MS
3940c	\$3.25	<i>Cattleya lueddemanniana</i>	Orchidaceae	Fl A MS
3940d	\$3.25	<i>Cattleya trianae</i>	Orchidaceae	Fl A MS
3941a	\$3.25	<i>Cattleya mossiae</i>	Orchidaceae	Fl A MS
3941b	\$3.25	<i>Cattleya trianae</i>	Orchidaceae	Fl A MS
3941c	\$3.25	<i>Cattleya mossiae</i>	Orchidaceae	Fl A MS
3941d	\$3.25	<i>Cattleya trianae</i>	Orchidaceae	Fl A MS
3942a	SS \$5	<i>Cattleya trianae</i>	Orchidaceae	Fl A SS
3942b	SS \$5	<i>Cattleya trianae</i>	Orchidaceae	Fl A SS
3943a	SS \$5	<i>Cattleya trianae</i>	Orchidaceae	Fl A SS
3943b	SS \$5	<i>Cattleya mossiae</i>	Orchidaceae	Fl A SS

SAN MARINO**2015 March 10** (Revolution in 3D Printing) (Set of 3)

1927	10c	Apple being printed, <i>Malus domestica</i>	Rosaceae	Fr B
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SLOVENIA**2014 November 28** (Personalized w/ green flowers) (horiz & vert strip 4)

1070	A (34c)	U/I flowers (margin)		Fl B Z
1071	B (40c)	U/I flowers (margin)		Fl B Z
1072	C (60c)	U/I flowers (margin)		Fl B Z
1073	D (64c)	U/I flowers (margin)		Fl B Z
1074	A (34c)	U/I flowers (margin)		Fl B Z
1075	B (40c)	U/I flowers (margin)		Fl B Z
1076	C (60c)	U/I flowers (margin)		Fl B Z
1077	D (64c)	U/I flowers (margin)		Fl B Z

SLOVENIA (continued)**2015 March 27** (Orchids) (Set of 3 & SS of 1)

1115	60c	Pale-flowered Orchid, <i>Orchis pallens</i>	Orchidaceae	Fl A
1116	64c	Monkey Orchid, <i>Orchis simia</i>	Orchidaceae	Fl A
1117	92c	Burnt-tip Orchid, <i>Neotinea (=Orchis) ustulata</i>	Orchidaceae	Fl A
1118	SS 97c	Lady Orchid, <i>Orchis purpurea</i>	Orchidaceae	Fl A SS

2015 May 29 (Intl. Year of Soils) (SS of 1)

1133	SS 46c	Hands holding seedling		V B U SS
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SOLOMON ISLANDS**2010 June 30** (Vegetables) (Set of 4)

1157	\$1.50	Yard Beans, <i>Vigna unguiculata</i> ssp. <i>sesquipedalis</i>	Fabaceae	Fr A
1158	\$1.90	Tomatoes, <i>Lycopersicon esculentum</i>	Solanaceae	Fr A
1159	\$2.20	Eggplant, <i>Solanum melongena</i>	Solanaceae	Fr A
1160	\$3	Pumpkin, <i>Cucurbita pepo</i>	Cucurbitaceae	Fr A

2010 August 4 (Orchids) (Block of 10)

1161a	\$2.60	<i>Calanthe triplicata</i>	Orchidaceae	Fl A
1161b	\$2.60	<i>Dendrobium johnsoniae</i>	Orchidaceae	Fl A
1161c	\$2.60	<i>Dendrobium capituliflorum</i>	Orchidaceae	Fl A
1161d	\$2.60	<i>Spathoglottis plicata</i>	Orchidaceae	Fl A
1161e	\$2.60	<i>Dendrobium mirbelianum</i>	Orchidaceae	Fl A
1161f	\$5	<i>Dendrobium polysema</i>	Orchidaceae	Fl A
1161g	\$5	<i>Paphiopedilum bougainvilleanum</i>	Orchidaceae	Fl A
1161h	\$5	<i>Coelogyne asperata</i>	Orchidaceae	Fl A
1161i	\$5	<i>Dendrobium macrophyllum</i>	Orchidaceae	Fl A
1161j	\$5	<i>Dendrobium spectabile</i>	Orchidaceae	Fl A

SURINAM**2015 February 11** (Fruit) (MS of 6)

1482a	\$2	Cashews, <i>Anacardium occidentale</i>	Anacardiaceae	Fr A MS
1482b	\$4	Jackfruit, <i>Artocarpus heterophylla</i>	Moraceae	Fr A MS
1482c	\$5	Ackee, <i>Blighia sapida</i>	Sapindaceae	Fr A MS
1482d	\$7	Grapefruit, <i>Citrus paradisi</i>	Rutaceae	Fr A MS
1482e	\$8	Bananas, <i>Musa x paradisiaca</i>	Musaceae	Fr A MS
1482f	\$9	Guava, <i>Psidium guajava</i>	Myrtaceae	Fr A MS

SWEDEN**2015 May 7** (Magnolias (coil & horiz strip of 5/bklt pane of 10))

2754	(7k)	Magnolia, <i>Magnolia</i> 'Galaxy' (s/a coil, perf 13¼×13¾)	Magnoliaceae	Fl A
2755a	(7k)	Magnolia, <i>Magnolia x soulangeana</i>	Magnoliaceae	Fl A
2755b	(7k)	Magnolia, <i>Magnolia x soulangeana</i>	Magnoliaceae	Fl A
2755c	(7k)	Magnolia, <i>Magnolia x soulangeana</i>	Magnoliaceae	Fl A
2755d	(7k)	Magnolia, <i>Magnolia</i> 'George Henry Kern'	Magnoliaceae	Fl A
2755e	(7k)	Magnolia, <i>Magnolia stellata</i>	Magnoliaceae	Fl A
2755		Horiz strip 5 (perf 13¾×13¼)		

TANZANIA**2014 March 10** (Orchids of Africa) (2ea MS of 4 & 2ea SS of 1)

2739a	2000sh	<i>Anacamptis x feinbruniae</i>	Orchidaceae	Fl A MS
2739b	2000sh	<i>Ophrys holosericea</i>	Orchidaceae	Fl A MS
2739c	2000sh	<i>Orchis boryi</i>	Orchidaceae	Fl A MS
2739d	2000sh	<i>Anacamptis papilionacea (=Orchis caspia)</i>	Orchidaceae	Fl A MS
2740a	2000sh	<i>Bulbophyllum guttulatatum</i>	Orchidaceae	Fl A MS
2740b	2000sh	<i>Orchis punctulata</i>	Orchidaceae	Fl A MS
2740c	2000sh	<i>Phaius wallichii</i>	Orchidaceae	Fl A MS
2740d	2000sh	<i>Vanilla phalaenopsis</i>	Orchidaceae	Fl A MS
2741	SS 6000sh	<i>Dactylorhiza x dinglensis</i>	Orchidaceae	Fl A SS
2742	SS 6000sh	Lady Orchid, <i>Orchis purpurea</i>	Orchidaceae	Fl A SS

THAILAND**2013 September 4** (Definitives) (2 Sets of 8)

2758-65	3b	Stylized flowers (horiz, perf 13¼×14¼)		FI A U S
2766-73	3b	Stylized flowers (vert, perf 14¼×13¼)		FI A U S

2013 November 15 (Flags & National Flowers of ASEAN Countries)

2791a	3b	<i>Dillenia suffruticosa</i>	Dilleniaceae	FI A MS
2791b	3b	<i>Sphaerocoryne affinis</i> (= <i>Mitrella mesnyi</i>)	Annonaceae	FI A MS
2791c	3b	<i>Phalaenopsis amabilis</i>	Orchidaceae	FI A MS
2791d	3b	Plumeria, Frangipani, <i>Plumeria alba</i>	Apocynaceae	FI A MS
2791e	3b	Chinese Hibiscus, <i>Hibiscus rosa-sinensis</i>	Malvaceae	FI A MS
2791f	3b	Burma Padauk, <i>Pterocarpus macrocarpus</i>	Fabaceae	FI A MS
2791g	3b	Jasmine, <i>Jasminum sambac</i>	Oleaceae	FI A MS
2791h	3b	Miss Joaquim Orchid, <i>Vanda</i> 'Miss Joaquim'	Orchidaceae	FI A MS
2791i	3b	Golden Shower, <i>Cassia fistula</i>	Fabaceae	FI A MS
2791j	3b	Lotus, <i>Nelumbo nucifera</i>	Nelumbonaceae	FI A MS

TURKISH REP. N. CYPRUS**2014 September 19** (Fruit Blossoms) (Set of 4)

769	60k	Apple blossoms, <i>Malus x domestica</i>	Rosaceae	FI A
770	70k	Orange blossoms, <i>Citrus sinensis</i>	Rutaceae	FI A
771	80k	Pomegranate blossoms, <i>Punica granatum</i>	Punicaceae	FI A
772	1L	Peach blossoms, <i>Prunus persica</i>	Rosaceae	FI A

TURKS & CAICOS ISLANDS**2014 November 3** (Orchids) (MS of 4 & SS of 2)

1527a	\$1.20	<i>Vitekorchis aurifera</i> (= <i>Oncidium auriferum</i>)	Orchidaceae	FI A MS
1527b	\$1.20	<i>Vitekorchis excavata</i> (= <i>O. excavatum</i>)	Orchidaceae	FI A MS
1527c	\$1.20	<i>Oncidium graminifolium</i>	Orchidaceae	FI A MS
1527d	\$1.20	<i>Oncidium altissimum</i>	Orchidaceae	FI A MS
1528a	\$2	<i>Oncidium citrinum</i>	Orchidaceae	FI A SS
1528b	\$2	<i>Oncidium wentworthianum</i>	Orchidaceae	FI A SS

TUVALU**2014 August 14** (Paintings) (MS of 3)

1298c	\$1.50	"Tulips in a Vase," by Paul Cézanne, <i>Tulipa x hybrida</i>	Liliaceae	FI A
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2014 December 16 (Surfboards decorated with...) (MS of 4 & SS of 2)

1315a	\$1.40	Palm tree	Arecaceae	T B U
1315b	\$1.40	Flowers		FI B U
1315c	\$1.40	Vines		V B U
1317b	SS \$2.25	Vines		V B U SS

TRINIDAD & TOBAGO**1988** (Flowers Type of 1983) (see *Plants on Stamps*, Vol. III, p.357)

402i	\$1	<i>Ryania speciosa</i>	Salicaceae	FI A
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UGANDA**2012 April 11** (Orchids) (MS of 4 & SS of 1)

1950a	3500sh	<i>Aerangis arachnopus</i>	Orchidaceae	FI A MS
1950b	3500sh	<i>Angraecum leonis</i>	Orchidaceae	FI A MS
1950c	3500sh	<i>Bulbophyllum calyptratum</i>	Orchidaceae	FI A MS
1950d	3500sh	<i>Brachycorythis macrantha</i>	Orchidaceae	FI A MS
1951	SS 10000sh	<i>Bulbophyllum sandersonii</i>	Orchidaceae	FI A SS

2013 November 25 (Orchids) (s-o-s) (MS of 4 & SS of 1)

2077a	2500sh	<i>Bletia purpurea</i> (Cuba Sc#2328)	Orchidaceae	FI A MS
2077b	2500sh	<i>Dendrobium trigonopus</i> (Cambodia Sc#1893)	Orchidaceae	FI A MS
2077c	2500sh	<i>Epidendrum ciliare</i> (Virgin Islands Sc#704)	Orchidaceae	FI A MS
2077d	2500sh	<i>Ophrys insectifera</i> (Liechtenstein Sc#467)	Orchidaceae	FI A MS
2085	SS 7500sh	Equatorial Guinea sticker	Orchidaceae	FI A SS

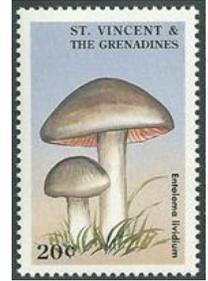
UKRAINE		2014 August 15 (Succulent Plants & Cacti) (Set of 4)		
971	2h	<i>Gymnocalycium anisitsii</i>	Cactaceae	Fl A
972	2.50h	<i>Opuntia microdasys</i>	Cactaceae	Fl A
973	3.30h	<i>Pilosocereus leucocephalus</i> (=palmeri)	Cactaceae	Fl A
974	4.80h	<i>Graptopetalum bellum</i>	Crassulaceae	Fl A
UNITED ARAB EMIRATES		2014 December 25 (First United Emirates Currency) (MS of 6)		
1127f	150f	Coin depicting date palm, <i>Phoenix dactylifera</i>	Arecaceae	T B
UNITED STATES		2015 March 27 (Ferns Type of 2014) (microprinted USPS, dated 2015)		
4973a	(49c)	Fortunes holly fern, <i>Cyrtomium fortunei</i>	Dryopteridaceae	V A
4974a	(49c)	Soft shield fern, <i>Polystichum setiferum</i>	Dryopteridaceae	V A
4975a	(49c)	Autumn fern, <i>Dryopteris erythrosora</i>	Dryopteridaceae	V A
4976a	(49c)	Goldie's wood fern, <i>Dryopteris goldiana</i>	Dryopteridaceae	V A
4977a	(49c)	Painted fern, <i>Anisocampium niponicum</i>	Athyriaceae	V A
		2015 April 10 (Gifts of Friendship, Joint issue with Japan)		
4982	(49c)	Cherry blossoms, <i>Prunus mume</i>	Rosaceae	Fl S B
4983	(49c)	Dogwood, <i>Cornus florida</i>	Cornaceae	Fl S B
4984	(49c)	Cherry blossoms, <i>Prunus mume</i>	Rosaceae	Fl S B
4985	(49c)	Dogwood, <i>Cornus florida</i>	Cornaceae	Fl S B
		2015 May 18 (Help Find Missing Children)		
4987	(49c)	Forget-me-nots, <i>Myosotis sylvatica</i>	Boraginaceae	Fl A
		2015 June 1 (Tulip & Heart)		
5002	(71c)	Tulip, <i>Tulipa x hybrida</i>	Liliaceae	Fl A
URUGUAY		2014 July 15 (Paintings) (Horiz pair)		
2476a	15p	"El Pozo," by Ernesto Laroche		T B U
		2014 September 16 (MS of 4)		
Issued for International Year of Family Agriculture, Centenary of National Agriculture Research Institute (INIA), World Biodiversity Day, and World Environment Day.				
2481a	15p	Strawberries, <i>Fragaria ananassa</i>	Rosaceae	Fr B
2481	Margin	UL: Ceibo, Cockspur Coral Tree <i>Erythrina crista-galli</i> ; LR: Thistle, <i>Stenachaenium</i> sp.	Fabaceae Asteraceae	Fl B MS Z Fl B MS Z



FUNGI

Editor

Paul A. Mistretta, BU1681



New Listings

Scott# Denom Common Name/Scientific Name Family Code
 [Ed. note: Occasionally in this section and also in the Herpetology section, we will note a species that is known to be poisonous by marking it with a (☠) symbol. One should not infer that other species that are not so marked are non-poisonous or safe to handle/eat.]

SLOVENIA 2014 November 28 (New Year's Day 2015) (Set of 2 & Bklt of 12)

1103 A (34c) Stylized drawing of red-capped mushroom in snow (s/a perf 11¼×11½) S
 1105 A (34c) Same vignette from bklt (s/a die cut 12½×12¼) S

TURKEY 2014 July 9 (Deer & Mushrooms in National Park) (SS of 1)

3406 2.50L U/I mushroom in foreground of forest scene with deer U

UGANDA 2012 April 11 (Mushrooms) (MS of 6 & SS of 2)

1954a 3000sh Panther Cap; *Amanita pantherina* Amanitaceae A
 1954b 3000sh Death Cap; *Amanita phalloides* ☠ Amanitaceae A
 1954b 3000sh Blusher; *Amanita rubescens* Amanitaceae A
 1954b 3000sh Penny Bun; *Boletus edulis* Boletaceae A
 1954b 3000sh Saffron Milk Cap; *Lactarius deliciosus* Russulaceae A
 1954b 3000sh Yellow Morel; *Morchella esculenta* Morchellaceae A
 1955a 3000sh Amethyst Deceiver; *Laccaria amethystina* Hydangiaceae A
 1955b 3000sh Mica Cap; *Coprinus micaceus* Agaricaceae A

Scott numbers assigned to previously unlisted booklets

KOREA (D.P.R.) 2002 February 25 (Mushrooms Type of 2002)

4192f 4.20w Bklt pane of 5 (Sc#4192a–e) + label

2003 September 5 (Mushrooms Type of 2003)

4328a 480w Bklt pane of 5 (Sc#4324a–d, Sc#4328) (also exists imperf)



MAMMALIA

Editor

Michael Prince, LM68



New Listings

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
ESTONIA 2015 March 12 (Seal & Map of Baltic Sea) (SS of 1)				
782	€2.55	Grey Seal, <i>Halichoerus grypus</i>	Phocidae	A*
FRENCH SOUTHERN & ANTARCTIC TERR. 2015 January 1 (Leopard Seal)				
517	€1.05	Leopard Seal, <i>Hydrurga leptonyx</i>	Phocidae	A*
GERMANY 2015 January 2 (Juvenile Animals) (Set of 2 & Bklt)				
2822	62c	Eurasian Red Squirrel, <i>Sciurus vulgaris</i> (perf 13½×13¼)	Sciuridae	A*
2823	62c	Wild Cat, <i>Felis silvestris</i> (perf 13½×13¼)	Felidae	A*
2824	62c	Eurasian Red Squirrel, <i>Sciurus vulgaris</i> (die cut 9¾)	Sciuridae	A*
2825	62c	Wild Cat, <i>Felis silvestris</i> (die cut 9¾)	Felidae	A*
2825a		Bklt pane 20 (10ea Sc#2824–25)		
JAPAN 2015 January 23 (Young Animals) (2 Sheets of 2ea five different)				
3786a	52¥	Coarse-haired Wombat, <i>Vombatus ursinus</i>	Vombatidae	A*
3786c	52¥	Black Rhinoceros, <i>Diceros bicornis</i>	Rhinocerotidae	A*
3786e	52¥	Crested Porcupine, <i>Hystrix cristata</i>	Hystricidae	A*
3787a	82¥	Red Panda, <i>Ailurus fulgens</i>	Ailuridae	A*
3787c	82¥	Japanese Macaque, <i>Macaca fuscata</i>	Cercopithecidae	A*
3787d	82¥	Snow Leopard, <i>Uncia uncia</i>	Felidae	A*
3787e	82¥	California Sea Lion, <i>Zalophus californianus</i>	Otariidae	A*
2015 February 2 (Flora & Fauna) (Set of 11)				
3789	3¥	Siberian Chipmunk, <i>Tamias sibiricus</i>	Sciuridae	A*
3790	5¥	Japanese Macaque, <i>Macaca fuscata</i>	Cercopithecidae	A*
3792	20¥	Sika Deer, <i>Cervus nippon</i>	Cervidae	A*
3793	30¥	Red Fox, <i>Vulpes vulpes</i>	Canidae	A*
3794	50¥	Japanese Serow, <i>Capricornis crispus</i>	Bovidae	A*
KOREA (D.P.R.) 2012 December 14 (Pandas) (Set of 2 & SS of 1)				
5139	70w	Giant Panda, <i>Ailuropoda melanoleuca</i>	Ursidae	A*
5140	90w	Giant Panda, <i>Ailuropoda melanoleuca</i>	Ursidae	A*
5141	SS 120w	Giant Panda, <i>Ailuropoda melanoleuca</i>	Ursidae	A*
2013 April 10 (Monkeys) (SS of 2)				
5170a	10w	Assam Macaque, <i>Macaca assamensis</i>	Cercopithecidae (new)	A*
5170b	20w	Assam Macaque, <i>Macaca assamensis</i>	Cercopithecidae (new)	A*
2013 May 10 (Australia 2013 World Stamp Exhibition, Melbourne)				
5177	30w	Red Kangaroo, <i>Macropus rufus</i>	Macropodidae	A*
KYRGYZSTAN 2014 December 20 (Endangered Animals) (Set of 4)				
481	23s	Brown Bear, <i>Ursus arctos</i>	Ursidae	A*
482	30s	Pallas's Cat, <i>Otocolobus manul</i>	Felidae	A*
483	40s	Dhole, <i>Cuon alpinus</i>	Canidae	A*
484	52s	Eurasian Lynx, <i>Lynx lynx</i>	Felidae	A*

KYRGYZ EXPRESS POST**2014 November 19** (Wild Animals) (Single & MS of 4)

4	250s	Snow Leopard, <i>Uncia uncia</i>	Felidae	A*
5b	25s	Yak, <i>Bos grunniens</i>	Bovidae	A*
5c	125s	Siberian Ibex, <i>Capra sibirica</i>	Bovidae	A*

LIBERIA**2014 August 14** (Bats) (2ea MS of 4 & 2ea SS of 2)

2962a	\$100	Angolan Soft-furred Fruit Bat, <i>Lissonycteris angolensis</i>	Pteropodidae (new)	A*
2962b	\$100	Gambian Epauletted Fruit Bat, <i>Epomophorus gambianus</i>	Pteropodidae	A*
2962c	\$100	Veldkamp's Bat, <i>Nanonycteris veldkampii</i>	Pteropodidae (new)	A*
2962d	\$100	Buettikofer's Epauletted Bat, <i>Epomops buettikoferi</i>	Pteropodidae (new)	A*
2967a	\$100	African Sheath-tailed Bat, <i>Coleura afra</i>	Emballonuridae	A*
2963b	\$100	Wahlberg's Epauletted Fruit Bat, <i>Epomophorus wahlbergi</i>	Pteropodidae	A*
2963c	\$100	African Long-fingered Bat, <i>Miniopterus africanus</i>	Vespertilionidae (new)	A*
2963d	\$100	Greater Horseshoe Bat, <i>Rhinolophus ferrumequinum</i>	Rhinolophidae	A*
2964a	SS \$175	Greater Long-fingered Bat, <i>Miniopterus inflatus</i>	Vespertilionidae (new)	A*
2964b	SS \$175	Mauritian Tomb Bat, <i>Taphozous mauritanus</i>	Megadermatidae	A*
2965a	SS \$175	Peter's Dwarf Epauletted Fruit Bat, <i>Micropteropus pusillus</i>	Pteropodidae	A*
2965b	SS \$175	Egyptian Rousette, <i>Rousettus aegyptiacus</i>	Pteropodidae	A*

2014 August 27 (Mongooses) (2ea MS of 4 & 2ea SS of 2)

2966a	\$100	Dwarf Mongoose, <i>Helogale parvula</i>	Herpestidae	A*
2966b	\$100	Selous's Mongoose, <i>Paracynictis selousi</i>	Herpestidae (new)	A*
2966c	\$100	Long-nosed Kusimanse, <i>Crossarchus obscurus</i>	Herpestidae (new)	A*
2966d	\$100	Long-nosed Mongoose, <i>Herpestes naso</i>	Herpestidae (new)	A*
2967a	\$100	Black Slender Mongoose, <i>Galerella flavescens</i>	Herpestidae (new)	A*
2967b	\$100	Yellow Mongoose, <i>Cynictis pencilata</i>	Herpestidae	A*
2967c	\$100	Desert Dwarf Mongoose, <i>Helogale hirtula</i>	Herpestidae (new)	A*
2967d	\$100	Banded Mongoose, <i>Mungos mungo</i>	Herpestidae	A*
2968a	SS \$175	Meerkat, <i>Suricata suricatta</i>	Herpestidae	A*
2968b	SS \$175	Alexander's Kusimanse, <i>Crossarchus alexandri</i>	Herpestidae (new)	A*
2969a	SS \$175	Slender Mongoose, <i>Galerella sanguinea</i>	Herpestidae	A*
2969b	SS \$175	Somalian Slender Mongoose, <i>Galerella ochracea</i>	Herpestidae (new)	A*

MICRONESIA**2014 July 31** (Polar Bears) (MS of 4 & SS of 1)

1092a	75c	Polar Bear, <i>Ursus maritimus</i>	Ursidae	A*
1092b	75c	Polar Bear, <i>Ursus maritimus</i>	Ursidae	A*
1092c	75c	Polar Bear, <i>Ursus maritimus</i>	Ursidae	A*
1092d	75c	Polar Bear, <i>Ursus maritimus</i>	Ursidae	A*
1092	Margin	Bot: Polar Bear, <i>Ursus maritimus</i>	Ursidae	Z*
1093	SS \$2.50	Polar Bear, <i>Ursus maritimus</i>	Ursidae	A*

NAMIBIA**2014 March 14** (Nocturnal Animals) (MS of 6 inscr. "Standard Mail")

1280a	(\$3.30)	South African Galago, <i>Galago moholi</i>	Galagonidae	A*
1280b	(\$3.30)	Cape Porcupine, <i>Hystrix africae australis</i>	Hystriidae	A*
1280c	(\$3.30)	Small-spotted Genet, <i>Genetta genetta</i>	Viverridae	A*
1280d	(\$3.30)	Ground Pangolin, <i>Manis temminckii</i>	Manidae	A*
1280e	(\$3.30)	Aardvark, <i>Orycteropus afer</i>	Orycteropodidae	A*
1280f	(\$3.30)	Aardwolf, <i>Proteles cristatus</i>	Hyaenidae	A*

2014 May 27 (Antelopes) (Set of 4 inscr. "Postcard Rate")

1283	(\$6)	Lechwe, <i>Kobus leche</i>	Bovidae	A*
1284	(\$6)	Bushbuck, <i>Tragelaphus scriptus</i>	Bovidae	A*
1285	(\$6)	Hartebeest, <i>Alcelaphus buselaphus</i>	Bovidae	A*
1286	(\$6)	Springbok, <i>Antidorcas marsupialis</i>	Bovidae	A*

NAMIBIA (continued)		2014 July 28 (Flora and Fauna of the Kalahari Desert) (MS of 10)	
1293d	(\$6)	Giraffe, <i>Giraffa camelopardalis</i>	Giraffidae A*
1293f	(\$6)	Cheetah, <i>Acinonyx jubatus</i>	Felidae A*
1293h	(\$6)	Meerkat, <i>Suricata suricatta</i>	Herpestidae A*
PARAGUAY		2013 August 19 (Mammals) (Horiz strip of 5 & SS of 1)	
2966a	3000g	Pampas Fox, <i>Lycalopex gymnocercus</i>	Canidae A*
2966b	3000g	Giant Anteater, <i>Myrmecophaga tridactyla</i>	Myrmecophagidae A*
2966c	3000g	Brown Capuchin, <i>Cebus apella</i>	Cebidae A*
2966d	3000g	White-lipped Peccary, <i>Tayassu pecari</i>	Tayassuidae A*
2966e	3000g	South American Coati, <i>Nasua nasua</i>	Procyonidae (new) A*
2967	SS 6000g	Jaguar, <i>Panthera onca</i>	Felidae A*
		2014 May 20 (Itaipu Dam & Bush Dog)	
2996	16000g	Bush Dog, <i>Speothos venaticus</i>	Canidae B*
PERU		2014 November 3 (Mammals) (MS of 4)	
1866a	11s	Jaguar, <i>Panthera onca</i>	Felidae A*
1866b	11s	Pacarana, <i>Dinomys branickii</i>	Dinomyidae (new) A*
1866c	11s	Mountain Tapir, <i>Tapirus pinchaque</i>	Tapiridae A*
1866d	11s	Andean Mountain Cat, <i>Leopardus jacobitus</i>	Felidae A*
RUSSIA		2014 August 1 (Wild Cats) (Block of 4)	
7554a	15r	Pallas's Cat, <i>Otocolobus manul</i>	Felidae A*
7554b	16r	Wild Cat, <i>Felis silvestris</i>	Felidae A*
7554c	17r	Leopard Cat, <i>Prionailurus bengalensis</i>	Felidae A*
7554d	18r	Jungle Cat, <i>Felis chaus</i>	Felidae A*
SERBIA		2014 June 30 (Wild Animals) (Horiz strip of 4 + label)	
669a	23d	Wild Cat, <i>Felis silvestris</i>	Felidae A*
669b	35d	Red Fox, <i>Vulpes vulpes</i>	Canidae A*
669c	46d	Grey Wolf, <i>Canis lupus</i>	Canidae A*
669d	70d	Eurasian Lynx, <i>Lynx lynx</i>	Felidae A*
SIERRA LEONE		2014 April 2 (WWF) (2ea Block or Vert strip of 4)	
3206a	3900le	Bongo, <i>Tragelaphus eurycerus</i> (head turned left)	Bovidae A*
3206b	3900le	Bongo, <i>Tragelaphus eurycerus</i> (facing left)	Bovidae A*
3206c	3900le	Bongo, <i>Tragelaphus eurycerus</i> (facing right)	Bovidae A*
3206d	3900le	Bongo, <i>Tragelaphus eurycerus</i> (facing front)	Bovidae A*
3207a	4300le	Bongo, <i>Tragelaphus eurycerus</i> (head turned left)	Bovidae A*
3207b	4300le	Bongo, <i>Tragelaphus eurycerus</i> (facing left)	Bovidae A*
3207c	4300le	Bongo, <i>Tragelaphus eurycerus</i> (facing right)	Bovidae A*
3207d	4300le	Bongo, <i>Tragelaphus eurycerus</i> (facing front)	Bovidae A*
SRI LANKA		2014 August 22 (Pigeon Island Marine Natl. Park) (Set of 6 & SS of 6)	
1938	10r	Sperm Whale, <i>Physeter catodon</i>	Physeteridae A*
TAJIKISTAN		2014 June 11 (Mammals) (Set of 3 & SS of 6)	
425	1.60s	Argali, <i>Ovis ammon</i>	Bovidae A*
426	2s	Grey Wolf, <i>Canis lupus</i>	Canidae A*
427	2.50s	Wild Boar, <i>Sus scrofa</i>	Suidae A*
THAILAND		2014 February 15 (Zoological Park Organization 60th Anniv.)	
2803	3b	Schomburgk's Deer, <i>Cervus schomburgki</i>	Cervidae A*
TURKEY		2014 July 9 (Deer & Mushrooms in National Park) (SS of 1)	
3406	2.50L	Red Deer, <i>Cervus elaphus</i> (also in R margin)	Cervidae A*

UGANDA

2012 March 30 (Wildlife) (4ea MS of 4 & 4ea SS of 1)

1928a	3400sh	De Brazza's Monkey, <i>Cercopithecus neglectus</i>	Cercopithecidae	A*
1928b	3400sh	Brown Greater Galago, <i>Otolemur crassicaudatus</i>	Galagonidae	A*
1928c	3400sh	Patas Monkey, <i>Erythrocebus patas</i>	Cercopithecidae	A*
1928d	3400sh	L'Hoest's Monkey, <i>Cercopithecus lhoesti</i>	Cercopithecidae	A*
1928	Margin	Top: Angola colobus, <i>Colobus angolensis</i>	Cercopithecidae	Z*
1929a	3400sh	Cheetah, <i>Acinonyx jubatus</i>	Felidae	B*
		Thomson's Gazelle, <i>Eudorcas thomsonii</i>	Bovidae	B*
1929b	3400sh	Lion, <i>Panthera leo</i>	Felidae	A*
1929c	3400sh	Leopard, <i>Panthera pardus</i>	Felidae	A*
1929d	3400sh	Caracal, <i>Caracal caracal</i>	Felidae	A*
1929	Margin	Ctr: Lion, <i>Panthera leo</i>	Felidae	Z*
		Bot: Serval, <i>Leptailurus serval</i>	Felidae	Z*
1930a	3400sh	African Bush Elephant, <i>Loxodonta africana</i> (also Ctr margin)	Elephantidae	A*
1930b	3400sh	African Bush Elephant, <i>Loxodonta africana</i>	Elephantidae	A*
1930c	3400sh	African Bush Elephant, <i>Loxodonta africana</i>	Elephantidae	A*
1930d	3400sh	African Bush Elephant, <i>Loxodonta africana</i>	Elephantidae	A*
1937b	3400sh	African Golden Cat, <i>Profelis aurata</i>	Felidae	A*
1937c	4100sh	Cheetah, <i>Acinonyx jubatus</i>	Felidae	A*
1937d	4100sh	Checkered Elephant Shrew, <i>Rhynchocyon cirnei</i>	Macroscelididae (new)	A*
1937	Margin	Bot: Lesser Kudu, <i>Tragelaphus imberbis</i>	Bovidae	Z*
1938	SS 8300sh	Blue Monkey, <i>Cercopithecus mitis</i>	Cercopithecidae	A*
	Margin	LL: Dusky Bush Baby, <i>Galago matschiei</i>	Galagidae	Z*
		UR: Chimpanzee, <i>Pan troglodytes</i>	Hominidae	Z*
		LR: Patas Monkey, <i>Erythrocebus patas</i>	Cercopithecidae	Z*
1939	SS 8300sh	Leopard, <i>Panthera pardus</i>	Felidae	A*
	Margin	LL: Lion, <i>Panthera leo</i>	Felidae	Z*
		MR: Serval, <i>Leptailurus serval</i>	Felidae	Z*
		LR: Caracal, <i>Caracal caracal</i>	Felidae	Z*
1940	SS 8300sh	African Bush Elephant, <i>Loxodonta africana</i> (also in R margin)	Elephantidae	A*
1947	SS Margin	LL: African Golden Cat, <i>Caracal aurata</i>	Felidae	Z*
		LR: Hippopotamus, <i>Hippopotamus amphibius</i>	Hippopotamidae	Z*

2012 April 11 (Chimpanzees) (2ea MS of 4)

1948a	3500sh	Chimpanzee, <i>Pan troglodytes</i>	Hominidae	A*
1948b	3500sh	Chimpanzee, <i>Pan troglodytes</i>	Hominidae	A*
1948c	3500sh	Chimpanzee, <i>Pan troglodytes</i>	Hominidae	A*
1948d	3500sh	Chimpanzee, <i>Pan troglodytes</i>	Hominidae	A*
1949a	3500sh	Chimpanzee, <i>Pan troglodytes</i>	Hominidae	A*
1949b	3500sh	Chimpanzee, <i>Pan troglodytes</i>	Hominidae	A*
1949c	3500sh	Chimpanzee, <i>Pan troglodytes</i>	Hominidae	A*
1949d	3500sh	Chimpanzee, <i>Pan troglodytes</i>	Hominidae	A*

2012 April 11 (Endangered Animals) (MS of 5)

1952a	3000sh	Addax, <i>Addax nasomaculatus</i>	Bovidae	A*
1952b	3000sh	Cheetah, <i>Acinonyx jubatus</i>	Felidae	A*
1952c	3000sh	Western Gorilla, <i>Gorilla gorilla</i>	Hominidae	A*
1952d	3000sh	Mountain Zebra, <i>Equus zebra</i>	Equidae	A*
1952e	3000sh	Dama Gazelle, <i>Nanger dama</i>	Bovidae	A*
1952	Margin	Chimpanzee, <i>Pan troglodytes</i>	Hominidae	Z*

UGANDA**2012 November 8** (Endangered Animals) (7ea MS of 4 & 7ea SS of 1)

2003a	3400sh	Chimpanzee, <i>Pan troglodytes</i>	Hominidae	A*
2003b	3400sh	Chimpanzee, <i>Pan troglodytes</i>	Hominidae	A*
2003c	4100sh	Chimpanzee, <i>Pan troglodytes</i>	Hominidae	A*
2003d	4100sh	Chimpanzee, <i>Pan troglodytes</i>	Hominidae	A*
2004a	3400sh	Western Gorilla, <i>Gorilla gorilla</i>	Hominidae	A*
2004b	3400sh	Western Gorilla, <i>Gorilla gorilla</i>	Hominidae	B*
		Eastern Gorilla, <i>Gorilla beringei</i>	Hominidae	B*
2004c	4100sh	Western Gorilla, <i>Gorilla gorilla</i>	Hominidae	B*
		Eastern Gorilla, <i>Gorilla beringei</i>	Hominidae	B*
2004d	4100sh	Eastern Gorilla, <i>Gorilla beringei</i>	Hominidae	A*
2005a	3400sh	Lion, <i>Panthera leo</i>	Felidae	A*
2005b	3400sh	Lion, <i>Panthera leo</i>	Felidae	A*
2005c	4100sh	Lion, <i>Panthera leo</i>	Felidae	A*
2005d	4100sh	Lion, <i>Panthera leo</i>	Felidae	A*
2006a	3400sh	Lion, <i>Panthera leo</i>	Felidae	A*
2006b	3400sh	Lion, <i>Panthera leo</i>	Felidae	A*
2006c	4100sh	Lion, <i>Panthera leo</i>	Felidae	A*
2006d	4100sh	Lion, <i>Panthera leo</i>	Felidae	A*
2007a	3400sh	Cheetah, <i>Acinonyx jubatus</i>	Felidae	A*
2007b	3400sh	Cheetah, <i>Acinonyx jubatus</i>	Felidae	A*
2007c	4100sh	Cheetah, <i>Acinonyx jubatus</i>	Felidae	A*
2007d	4100sh	Cheetah, <i>Acinonyx jubatus</i>	Felidae	A*
2008a	3400sh	African Bush Elephant, <i>Loxodonta africana</i>	Elephantidae	A*
2008b	3400sh	African Bush Elephant, <i>Loxodonta africana</i>	Elephantidae	A*
2008c	4100sh	African Bush Elephant, <i>Loxodonta africana</i>	Elephantidae	A*
2008d	4100sh	African Bush Elephant, <i>Loxodonta africana</i>	Elephantidae	A*
2009a	3400sh	African Bush Elephant, <i>Loxodonta africana</i>	Elephantidae	A*
2009b	3400sh	African Bush Elephant, <i>Loxodonta africana</i>	Elephantidae	A*
2009c	4100sh	African Bush Elephant, <i>Loxodonta africana</i>	Elephantidae	A*
2009d	4100sh	African Bush Elephant, <i>Loxodonta africana</i>	Elephantidae	A*
2012	SS 8300sh	Chimpanzee, <i>Pan troglodytes</i> (also in LL margin)	Hominidae	A*
2013	SS 8300sh	Eastern Gorilla, <i>Gorilla beringei</i> (also in LL & LR margin)	Hominidae	A*
2014	SS 8300sh	Lion, <i>Panthera leo</i> (also in LL margin)	Felidae	A*
2015	8300sh	Lion, <i>Panthera leo</i> (also in LL & LR margin)	Felidae	A*
2016	SS 8300sh	Cheetah, <i>Acinonyx jubatus</i> (also in LL margin)	Felidae	A*
2017	8300sh	African Bush Elephant, <i>Loxodonta africana</i> (also LL margin)	Elephantidae	A*
2018	8300sh	African Bush Elephant, <i>Loxodonta africana</i> (also UL/LR marg)	Elephantidae	A*

URUGUAY**2014 September 16** (Intl Day of Biodiversity) (MS of 4)

2481b	15p	Burchell's Zebra, <i>Equus quagga</i>	Equidae	B*
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2014 September 29 (Pinnipeds) (Se-tenant pair)

2483a	15p	South American Fur Seal, <i>Arctocephalus australis</i>	Otariidae	A*
2483b	15p	South American Sea Lion, <i>Otaria flavescens</i>	Otariidae	A*

2014 November 5 (Fauna) (Set of 2)

2492	15p	Vampire Bat, <i>Desmodus rotundus</i>	Phyllostomidae	A*
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UZBEKISTAN**2014 May 30** (Fauna) (SS of 1)

745	3200s	Steppe Saiga, <i>Saiga tatarica</i>	Bovidae	A*
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VIETNAM**2014 August 11** (Endangered Primates) (Set of 4 & SS of 1)

3510	3000d	Tonkin Snub-nosed Monkey, <i>Rhinopithecus avunculus</i>	Cercopithecidae	A*
3511	5500d	White-headed Langur, <i>Trachypithecus poliocephalus</i>	Cercopithecidae	A*
3512	8500d	Grey-shanked Douc Langur, <i>Pygathrix cinerea</i>	Cercopithecidae	A*
3513	12500d	Delacour's Langur, <i>Trachypithecus delacouri</i>	Cercopithecidae	A*
3514	SS 18000d	Eastern Black-crested Gibbon, <i>Nomascus nasutus</i>	Hylobatidae (new)	A*

ZAMBIA**2013 March 19** (Dr. David Livingstone Birth Bi-centenary) (MS of 4)

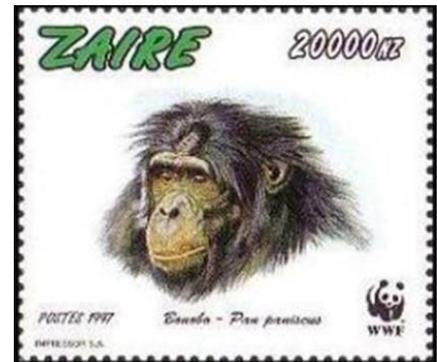
1142b	30k	Black Rhinoceros, <i>Diceros bicornis</i>	Rhinocerotidae	A*
1142c	40k	Hippopotamus, <i>Hippopotamus amphibius</i>	Hippopotamidae	A*
		Bushbuck, <i>Tragelaphus scriptus</i>	Bovidae	A*
1142d	50k	Lion, <i>Panthera leo</i>	Felidae	A*

BONOBO BABBLING

Bonobos (*Pan paniscus*) are the closest living relatives of humans. Some scientists suggest that they may be living examples of our distant ancestors. Studies have shown that the DNA of bonobos are as much as 99.4 percent identical to that of humans.

On 12 February 1997, Zaire issued a block of four 20,000z commemorative stamps (Sc#1466a–d) including the World Wildlife Federation (WWF) logo and depicting bonobos in various poses. The stamps were printed by offset lithography and perforated 13¼.

According to new research at the University of Birmingham's School of Psychology in Great Britain, bonobo babbling may share a path with human baby talk.



The study focuses on “peeps,” or high-pitched squeaks, that the animals use to communicate in the wild. Researchers say that these peeps are very similar to the sounds human infants make before they learn to talk. The sounds do not vary acoustically based on the emotional context.

Bonobos use the same call to mean different things in different situations, and the other bonobos have to take the context into account when determining the meaning. This characteristic was previously known only in humans.

Bonobos are found only in the humid forests of the Congo Democratic Republic in an area south of the Congo River and north of the Kasai River. Wars in this area have taken a toll on the apes as well as humans. In addition, they are threatened by loss of habitat and hunting for bushmeat—all reasons that they are classified as an endangered species.

One hopes that conservation and protection efforts will succeed in saving these cousins of ours. Organizations such as the WWF, the African Wildlife Foundation, and others, are trying to focus attention on the extreme risk to the species.



ORNITHOLOGY

Editor

Glenn G. Mertz, BU1455

New Issues



Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
ARMENIA				
2014 September 23				A*
A two stamp issue (Sc#1010–11) for Flora and Fauna, one stamp featuring a bird.				
1011	330d	Eurasian Hoopoe, <i>Upupa epops</i>	Upupidae	
BOTSWANA				
2014 May 13 (Birds) (Set of 14)				A*
939	10t	Harlequin Quail, <i>Coturnix delegorguei</i> (Cap: <i>C. delegorgue</i>)	Phasianidae	
940	20t	Burchell's Sandgrouse, <i>Pterocles burchelli</i>	Pteroclididae	
941	50t	Purple Swampphen, <i>Porphyrio porphyrio</i> (Cap: Purple Gallinule)	Rallidae	
942	1p	Pied Avocet, <i>Recurvirostra avosetta</i>	Recurvirostridae	
943	2p	Kori Bustard, <i>Ardeotis kori</i>	Otididae	
944	3p	African Spoonbill, <i>Platalea alba</i>	Threskiornithidae	
945	(3.50p)	Red Bishop, <i>Euplectes orix</i> (Cap: Southern Red Bishop. Stamp is for "Standard A" value of 3.50p)	Ploceidae	
946	5p	African Skimmer, <i>Rynchops flavirostris</i>	Laridae	
947	(5.40p)	Blue-breasted Cordonbleu, <i>Uraeginthus angolensis</i> (Cap: Blue Waxbill. Stamp is for "Standard B" value of 5.40p)	Estrildidae	
948	(8p)	African Paradise-Flycatcher, <i>Terpsiphone viridis</i> (Cap: Paradise Flycatcher. Stamp is for Postcard Rate value of 8p)	Monarchidae	
949	10p	Secretary-Bird, <i>Sagittarius serpentarius</i>	Sagittariidae	
950	20p	Bradfield's Hornbill, <i>Tockus bradfieldi</i>	Bucerotidae	
951	30p	Spotted Eagle-Owl, <i>Bubo africanus</i>	Strigidae	
952	50p	Red Bishop, <i>Euplectes orix</i> (Cap: Southern Red Bishop)	Ploceidae	
FALKLAND ISLANDS				
2015 February 11 (Birds) (Set of 4)				A*
1132	30p	Magellanic Oystercatcher, <i>Haematopus leucopodus</i>	Haematopodidae	
1133	75p	Gentoo Penguin, <i>Pygoscelis papua</i>	Spheniscidae	
1134	1.00£	Black-browed Albatross, <i>Thalassarche melanophris</i>	Diomedidae	
1135	1.20£	Brown Skua, <i>Stercorarius antarctica</i> (Cap: Falkland Skua, <i>Catharacta skua antarctica</i>)	Stercorariidae	
FRENCH SOUTHERN & ANTARCTIC TERR.				
2015 January 1 (Emperor Penguin)				A*
516	1€	Emperor Penguin, <i>Aptenodytes forsteri</i>	Spheniscidae	
2015 January 1 (Terns)				A*
519	4.30€	Arctic Tern, <i>Sterna paradisaea</i>	Laridae	
2015 January 1				C*
Two stamps (Sc#524a–b) with a central label for Robert Guillard (1919-2013), who was Polar Explorations Chief of Operations, with one stamp featuring penguins.				
524a	66c	Emperor Penguin, <i>Aptenodytes forsteri</i>	Spheniscidae	

GUINEA**2013 September 15** (Owls) (SS of 1)**A***

N/A	SS 40000fr	Sooty Owl, <i>Tyto tenebricosa</i>	Tytonidae	
	Margin	UL: Oriental Bay-Owl, <i>Phodilus badius</i>	Tytonidae	
		ML: Sooty Owl, <i>Tyto tenebricosa</i>	Tytonidae	
		Top: Little Owl, <i>Athene noctua</i>	Strigidae	
		UR: Eurasian Pygmy-Owl, <i>Glaucidium passerinum</i>	Strigidae	
		MR: Rufous Owl, <i>Ninox rufa</i>	Strigidae	new
		LL: Tawny Owl, <i>Strix aluco</i>	Strigidae	

2013 November 11 (Birds) (MS of 3 & SS of 1)**A***

N/A	15000fr	Ctr: Marvelous Spatuletail, <i>Loddigesia mirabilis</i>	Trochilidae	
N/A	20000fr	Top: Wilson's Bird-of-paradise, <i>Cicinnurus respublica</i>	Paradisaeidae	
N/A	20000fr	Bot: Shoebill, <i>Balaeniceps rex</i>	Balaenicipitidae	
	Margin	UL: Resplendent Quetzal, <i>Pharomachrus mocinno</i>	Trogonidae	
		LR: Guianan Cock-of-the-Rock, <i>Rupicola rupicola</i>	Cotingidae	
N/A	SS 40000fr	UL: Gorgeted Puffleg, <i>Eriocnemis isabellae</i>	Trochilidae	new
		Top: Little Tern, <i>Sternula albifrons</i>	Laridae	
		UR: Green Bee-eater, <i>Merops orientalis</i>	Meropidae	
		LL: Bali Myna, <i>Leucopsar rothschildi</i>	Sturnidae	
		LR 'I'iwi, <i>Vestiaria coccinea</i>	Fringillidae	
	Margin	UL: Bali Myna, <i>Leucopsar rothschildi</i>	Sturnidae	
		Top: Little Tern, <i>Sternula albifrons</i>	Laridae	
		UR: Rose-ringed Parakeet, <i>Psittacula krameri</i>	Psittacidae	
		LR: Green Bee-eater, <i>Merops orientalis</i>	Meropidae	

GUINEA-BISSAU

I last listed issues for this country in the December 2014 *Biophilately*, Vol. 63(4). Listed below are new issues since my last listing date of 10 February 2014.

2014 February 10 (50th Anniversary of the Red Book List)**A***

The SS that belongs to the issue listed in Vol. 63(4) for the 50th Anniversary of the Red Book List. It has two stamps, one featuring a bird.

N/A	SS 1200fr	Egyptian Vulture, <i>Neophron percnopterus</i>	Accipitridae	
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2014 May 15 (Owls) (MS of 4 & SS of 1)**A***

a	900fr	Barn Owl, <i>Tyto alba</i>	Tytonidae	
b	900fr	Barred Owl, <i>Strix varia</i>	Strigidae	
c	900fr	Great Horned Owl, <i>Bubo virginianus</i>	Strigidae	
d	900fr	Long-eared Owl, <i>Asio otus</i>	Strigidae	
N/A	SS 3000fr	Great Horned Owl, <i>Bubo virginianus</i>	Strigidae	
	Margin	LR: Long-eared Owl, <i>Asio otus</i>	Strigidae	

2014 October 20 (Raptors) (Horiz MS of 4 & SS of 1)**A***

a	850fr	Red-footed Falcon, <i>Falco vespertinus</i>	Falconidae	
b	850fr	Osprey, <i>Pandion haliaetus</i>	Pandionidae	
c	850fr	Great Horned Owl, <i>Bubo virginianus</i>	Strigidae	
d	850fr	Osprey, <i>Pandion haliaetus</i>	Pandionidae	
	Margin	LL: Great Horned Owl, <i>Bubo virginianus</i>	Strigidae	
		LR: U/I raptor (head only)		
N/A	SS 2800fr	Red-footed Falcon, <i>Falco vespertinus</i>	Falconidae	
	Margin	R; Osprey, <i>Pandion haliaetus</i>	Pandionidae	
		LL: Crowned Hawk-Eagle, <i>Stephanoaetus coronatus</i>	Accipitridae	

GUINEA-BISSAU (continued)			2014 October 20 (Owls) (Horiz MS of 4 & SS of 1)	A*
a	900fr	Northern White-faced Owl, <i>Ptilopsis leucotis</i>	Strigidae	
b	900fr	African Wood-Owl, <i>Strix woodfordii</i>	Strigidae	
c	900fr	African Scops-Owl, <i>Otus senegalensis</i>	Strigidae	
d	900fr	Grayish Eagle-Owl, <i>Bubo cinerascens</i>	Strigidae	
	Margin	LL & LR: Barn Owl, <i>Tyto alba</i>	Tytonidae	
N/A	SS 2800fr	Barn Owl, <i>Tyto alba</i>	Tytonidae	
	Margin	UR: Barn Owl, <i>Tyto alba</i>	Tytonidae	
		LL & Ctr: Pel's Fishing-Owl, <i>Scotopelia peli</i>	Strigidae	
		LR: European Scops-Owl, <i>Otus scops</i>	Strigidae	
			2014 October 20 (Hornbill) (Horiz MS of 3 & SS of 1)	A*
a	1000fr	Rhinoceros Hornbill, <i>Buceros rhinoceros</i> (facing right)	Bucerotidae	
b	1000fr	Same bird (upper body)		
c	1000fr	Same bird (facing left)		
	Margin	Top: Same bird (pair)		
N/A	SS 2400fr	Rhinoceros Hornbill, <i>Buceros rhinoceros</i>	Bucerotidae	
	Margin	L: Same bird (pair)		
			2014 November 5 (Hummingbirds) (Horiz MS of 4)	A*
a	850fr	Ruby-throated Hummingbird, <i>Archilochus colubris</i>	Trochilidae	
b	850fr	Violet Sabrewing, <i>Campylopterus hemileucurus</i>	Trochilidae	
c	850fr	Broad-tailed Hummingbird, <i>Cyanthus latirostris</i>	Trochilidae	
d	850fr	Wedge-tailed Sabrewing, <i>Campylopterus curvipennis</i>	Trochilidae	new
	Margin	LL: Ruby-throated Hummingbird, <i>Archilochus colubris</i>	Trochilidae	
		LR: Sparkling Violetear, <i>Colibri coruscans</i>	Trochilidae	
			2014 December 12 (Owls) (MS of 4 & SS of 1)	A*
a	900fr	Great Gray Owl, <i>Strix nebulosa</i>	Strigidae	
b	900fr	Barn Owl, <i>Tyto alba</i>	Tytonidae	
c	900fr	Grayish Eagle-Owl, <i>Bubo cinerascens</i>	Strigidae	
d	900fr	Spot-bellied Eagle-Owl, <i>Bubo nipalensis</i>	Strigidae	
N/A	SS 3000fr	L: Eurasian Eagle-Owl, <i>Bubo bubo</i>	Strigidae	
		R: Spotted Owl, <i>Strix occidentalis</i>	Strigidae	
	Margin	Top & Bot: Snowy Owl, <i>Bubo scandiacus</i>	Strigidae	
			2015 January 15 (Birds of Prey) (MS of 4 & SS of 1)	A*
a	850fr	Barred Owl, <i>Strix varia</i>	Strigidae	
b	850fr	Osprey, <i>Pandion haliaetus</i>	Pandionidae	
c	850fr	Swainson's Hawk, <i>Buteo swainsoni</i>	Accipitridae	Vol. 64(2)
		(Previously shown in margin of U.S. Great Plains sheet)		
d	850fr	Steller's Sea-Eagle, <i>Haliaeetus pelagicus</i>	Accipitridae	
N/A	SS 2800fr	Bald Eagle, <i>Haliaeetus leucocephalus</i>	Accipitridae	
	Margin	L: Golden Eagle, <i>Aquila chrysaetos</i>	Accipitridae	
			2015 January 15 (Marine Birds) (MS of 4 & SS of 1)	A*
a	900fr	Cape Gannet, <i>Morus capensis</i>	Sulidae	
b	900fr	Hamerkop, <i>Scopus umbretta</i>	Scopidae	
c	900fr	Masked Booby, <i>Sula dactylatra</i>	Sulidae	
d	900fr	Wooly-necked Stork, <i>Ciconia episcopus</i>	Ciconiidae	
N/A	SS 3000fr	Pink-backed Pelican, <i>Pelecanus rufescens</i>	Pelecanidae	
	Margin	L: Goliath Heron, <i>Ardea goliath</i>	Ardeidae	

GUINEA-BISSAU (continued)			2015 February 18 (Owls) (Horiz MS of 4 & SS of 1)	A*
a	800fr	Burrowing Owl, <i>Athene cunicularis</i>	Strigidae	
b	800fr	Oriental Bay-Owl, <i>Phodilus badius</i>	Tytonidae	
c	800fr	Barn Owl, <i>Tyto alba</i>	Tytonidae	
d	800fr	Snowy Owl, <i>Bubo scandiacus</i>	Strigidae	
	Margin	Top: Snowy Owl, <i>Bubo scandiacus</i>	Strigidae	
N/A	SS 2400fr	Fraser's Eagle-Owl, <i>Bubo poensis</i>	Strigidae	
	Margin	L: Northern Hawk-Owl, <i>Surnia ulula</i>	Strigidae	
			2015 February 18 (Parrots) (Horiz MS of 4 & SS of 1)	A*
a	900fr	Palm Cockatoo, <i>Probosciger aterrimus</i>	Cacatuidae	
b	900fr	Blue-and-yellow Macaw, <i>Ara ararauna</i>	Psittacidae	
c	900fr	Hyacinth Macaw, <i>Anodorhynchus hyacinthinus</i>	Psittacidae	
d	900fr	Golden Parakeet, <i>Guarouba guarouba</i>	Psittacidae	
	Margin	Top: Blue-and-yellow-Macaw, <i>Ara ararauna</i>	Psittacidae	
N/A	SS 3300fr	Salmon-crested Cockatoo, <i>Cacatua moluccensis</i>	Cacatuidae	
	Margin	LL & UR: Hyacinth Macaw, <i>Anodorhynchus hyacinthinus</i>	Psittacidae	
			2015 February 18 (Eagles) (Horiz MS of 4 & SS of 1)	A*
a	900fr	Bald Eagle, <i>Haliaeetus leucocephalus</i>	Accipitridae	
b	900fr	Martial Eagle, <i>Polemaetus bellicosus</i>	Accipitridae	
c	900fr	African Fish-Eagle, <i>Haliaeetus vocifer</i>	Accipitridae	
d	900fr	Martial Eagle, <i>Polemaetus bellicosus</i>	Accipitridae	
	Margin	Top: Harpy Eagle, <i>Harpia harpyja</i>	Accipitridae	
N/A	SS 3300fr	Harpy Eagle, <i>Harpia harpyja</i>	Accipitridae	
	Margin	L: Bald Eagle, <i>Haliaeetus leucocephalus</i>	Accipitridae	
			2015 March 25 (Antarctica) (MS of 4 & SS of 1)	A*
A sheet of four stamps, same layout format as above, and a SS for Antarctica.				
b	800fr	Emperor Penguin, <i>Aptenodytes forsteri</i>	Spheniscidae	
d	800fr	Chinstrap Penguin, <i>Pygoscelis antarctica</i>	Spheniscidae	
	Margin	LR: Adelie Penguin, <i>Pygoscelis adeliae</i>	Spheniscidae	
N/A	SS 2400fr	King Penguin, <i>Aptenodytes patagonicus</i>	Spheniscidae	
			2015 March 25 (Cactus & Animals) (MS of 4)	A*
a	750fr	Cactus Wren, <i>Campylorhynchus brunneicapillus</i>	Troglodytidae	
c	750fr	Harris's Hawk, <i>Parabuteo unicinctus</i> (Cap: <i>Buteo jamaicensis</i>)	Accipitridae	
	Margin	LR: Red-tailed Hawk, <i>Buteo jamaicensis</i>	Accipitridae	
			2015 March 25 (Pigeons & Doves) (MS of 4 & SS of 1)	A*
a	850fr	Common Wood-Pigeon, <i>Columba palumbus</i>	Columbidae	
b	850fr	European Turtle-Dove, <i>Streptopelia turtur</i>	Columbidae	
c	850fr	Speckled Pigeon, <i>Columba guinea</i> (Cap: <i>Columba livia</i>)	Columbidae	
d	850fr	Mourning Dove, <i>Zenaida macroura</i>	Columbidae	
	Margin	LL & LR: Mourning Dove, <i>Zenaida macroura</i>	Columbidae	
N/A	SS 2400fr	Mourning Dove, <i>Zenaida macroura</i>	Columbidae	
	Margin	LL & LR: Rock Pigeon, <i>Columba livia</i>	Columbidae	
			2015 March 25 (Birds of Taiwan-Taipei 2015) (MS of 4)	A*
a	850fr	White-eared Sibia, <i>Heterophasia auricularis</i>	Bernieridae	
b	850fr	Yellow Tit, <i>Macholophus holsti</i>	Paridae	
c	850fr	Formosan Magpie, <i>Urocissa caerulea</i>	Corvidae	
d	850fr	Taiwan Yuhina, <i>Yuhina brunneiceps</i>	Zosteropidae	

GUINEA-BISSAU (continued)		2015 March 25 (Endangered Birds) (MS of 4 & SS of 1)	A*
a	900fr	Hyacinth Macaw, <i>Anodorhynchus hyacinthinus</i>	Psittacidae
b	900fr	Gray Crowned-Crane, <i>Balearica regulorum</i>	Gruidae
c	900fr	Lappet-faced Vulture, <i>Torgos tracheliotus</i>	Accipitridae
d	900fr	Waved Albatross, <i>Phoebastria irrorata</i>	Diomedidae
	Margin	LL: Jackass Penguin, <i>Spheniscus demerus</i>	Spheniscidae
		LR: Red-crowned Crane, <i>Grus japonensis</i>	Gruidae
N/A	SS 3000fr	Red-crowned Crane, <i>Grus japonensis</i>	Gruidae
	Margin	L: Hawaiian Goose, <i>Branta sandvicensis</i>	Anatidae
		R: Sun Parakeet, <i>Aratinga solstitialis</i>	Psittacidae
		2015 April 24 (Hummingbirds) (Horiz MS of 4 & SS of 1)	A*
a	900fr	Tufted Coquette, <i>Lophornis ornatus</i>	Trochilidae
b	900fr	Rufous Hummingbird, <i>Selasphorus rufus</i>	Trochilidae
c	900fr	White-necked Jacobin, <i>Florisuga mellivora</i>	Trochilidae
d	900fr	Violet-tailed Sylph, <i>Agelaiocercus coelestis</i>	Trochilidae
N/A	SS 3000fr	Violet-tailed Sylph, <i>Agelaiocercus coelestis</i>	Trochilidae
	Margin	LR: Ruby-throated Hummingbird, <i>Archilochus colubris</i>	Trochilidae
		2015 April 24 (Kingfishers) (Horiz MS of 4 & SS of 1)	A*
a	850fr	Common Kingfisher, <i>Alcedo atthis</i>	Alcedinidae
b	850fr	Half-collared Kingfisher, <i>Alcedo semitorquata</i>	Alcedinidae
c	850fr	African Pygmy-Kingfisher, <i>Ispidina picta</i>	Alcedinidae
d	850fr	White-bellied Kingfisher, <i>Corythornis leucogaster</i>	Alcedinidae
N/A	SS 2800fr	Malachite Kingfisher, <i>Corythornis cristatus</i>	Alcedinidae
	Margin	LR: Common Kingfisher, <i>Alcedo atthis</i>	Alcedinidae
		LL: Pied Kingfisher, <i>Ceryle rudis</i>	Alcedinidae
		2015 April 24 (Birds of Prey) (Horiz MS of 4 & SS of 1)	A*
a	850fr	Bateleur, <i>Terathopius ecaudatus</i>	Accipitridae
b	850fr	Rueppell's Griffon, <i>Gyps rueppellii</i>	Accipitridae
c	850fr	Booted Eagle, <i>Hieraetus pennatus</i>	Accipitridae
d	850fr	Lizard Buzzard, <i>Kaupifalco monogrammicus</i>	Accipitridae
N/A	SS 2400fr	African Fish-Eagle, <i>Haliaeetus vocifer</i>	Accipitridae
	Margin	Bot: Black Kite, <i>Milvus migrans</i> (3 of them)	Accipitridae
		2015 May 26 (Owls) (MS of 4 & SS of 1)	A*
a	850fr	L: Northern Hawk-Owl, <i>Surnia ulula</i>	Strigidae
		R: Elf Owl, <i>Micrathene whitneyi</i>	Strigidae
b	850fr	Snowy Owl, <i>Bubo scandiacus</i>	Strigidae
c	850fr	L: Long-eared Owl, <i>Asio otus</i>	Strigidae
		R: Eurasian Eagle-Owl, <i>Bubo bubo</i>	Strigidae
		(Face of this owl spans stamps c and d)	
d	850fr	L: Eurasian Eagle-Owl, <i>Bubo bubo</i>	Strigidae
		R: Tawny Owl, <i>Strix aluco</i>	Strigidae
N/A	SS 2800fr	Burrowing Owl, <i>Athene cucularia</i>	Strigidae
	Margin	Bot: Barn Owl, <i>Tyto alba</i> (with five owlets)	Tytonidae
		2015 May 26 (Eagles) (MS of 4 & SS of 1)	A*
a	900fr	L: Steppe Eagle, <i>Aquila nipalensis orientalis</i> (a subspecies)	Accipitridae
		R: Harpy Eagle, <i>Harpia harpyja</i>	Accipitridae
b	900fr	Golden Eagle, <i>Aquila chrysaetos</i>	Accipitridae
c	900fr	Martial Eagle, <i>Polemaetus bellicosus</i>	Accipitridae
d	900fr	Bald Eagle, <i>Haliaeetus leucocephalus</i>	Accipitridae

GUINEA-BISSAU (continued)

N/A	SS 3000fr	Great Philippine Eagle, <i>Pithecophaga jefferyi</i>	Accipitridae
	Margin	LL: Golden Eagle, <i>Aquila chrysaetos</i>	Accipitridae
		LR: Bald Eagle, <i>Haliaeetus leucocephalus</i>	Accipitridae
		UR: Steppe Eagle, <i>Aquila nipalensis orientalis</i>	Accipitridae

IVORY COAST**2014 March 10** (Pigeons & Doves) (MS of 4 & SS of 1)**A***

Mi1534	250fr	Laughing Dove, <i>Spilopelia senegalensis</i>	Columbidae
Mi1535	350fr	African Green-Pigeon, <i>Treron calvus</i>	Columbidae
Mi1536	500fr	Speckled Pigeon, <i>Columba guinea</i>	Columbidae
Mi1537	750fr	Tambourine Dove, <i>Turtur tympanistria</i>	Columbidae
Mi1538	SS 2500fr	Namaqua Dove, <i>Oena capensis</i>	Columbidae
	Margin	Bot: Speckled Pigeon, <i>Columba guinea</i>	Columbidae
		UL: Bruce's Green-Pigeon, <i>Treron waalia</i>	Columbidae

2014 March 10 (Water Birds) (MS of 4 & SS of 1)**A***

Mi1539	250fr	Lesser Flamingo, <i>Phoenicopterus minor</i>	Phoenicopteridae
Mi1540	350fr	Hamerkop, <i>Scopus umbretta</i>	Scopidae
Mi1541	500fr	Glossy Ibis, <i>Plegadis falcinellus</i>	Threskiornithidae
Mi1542	750fr	Greater Flamingo, <i>Phoenicopterus roseus</i>	Phoenicopteridae
Mi1543	SS 2500fr	Great Cormorant, <i>Phalacrocorax carbo</i>	Phalacrocoracidae
	Margin	UL: Pink-backed Pelican, <i>Pelecanus rufescens</i>	Pelecanidae
		Bot: Masked Booby, <i>Sula dactylatra</i>	Sulidae

2014 March 10 (Cuckoos) (MS of 4 & SS of 1)**A***

Mi1544	250fr	Levaillant's Cuckoo, <i>Clamator levaillantii</i>	Cuculidae	Vol. 63(2)
Mi1545	350fr	Great Spotted Cuckoo, <i>Clamator glandarius</i>	Cuculidae	
Mi1546	500fr	Klaas's Cuckoo, <i>Chrysococcyx klaas</i>	Cuculidae	Vol. 64(1)
Mi1547	750fr	Pied Cuckoo, <i>Clamator jacobinus</i>	Cuculidae	Vol. 63(2)
Mi1548	SS 2500fr	African Emerald Cuckoo, <i>Chrysococcyx cupreus</i>	Cuculidae	
	Margin	LL: Dideric Cuckoo, <i>Chrysococcyx caprius</i>	Cuculidae	

2014 March 10 (Owls) (MS of 4 & SS of 1)**A***

Mi1549	250fr	Pel's Fishing-Owl, <i>Scotopelia peli</i>	Strigidae
Mi1550	350fr	Shelley's Eagle-Owl, <i>Bubo shelleyi</i>	Strigidae
Mi1551	500fr	African Barred Owlet, <i>Glaucidium capense</i>	Strigidae
Mi1552	750fr	Sandy Scops-Owl, <i>Otus icterorhynchus</i>	Strigidae
Mi1553	SS 2500fr	Barn Owl, <i>Tyto alba</i>	Tytonidae
	Margin:	LL: Barn Owl, <i>Tyto alba</i>	Tytonidae
		LR: Verreaux's Eagle-Owl, <i>Bubo lacteus</i>	Strigidae

2014 March 10 (Raptors) (MS of 4 & SS of 1)**A***

Mi1554	250fr	African Harrier-Hawk, <i>Polyboroides typus</i>	Accipitridae
Mi1555	350fr	Rueppell's Griffon, <i>Gyps rueppellii</i>	Accipitridae
Mi1556	500fr	Booted Eagle, <i>Hieraaetus pennatus</i>	Accipitridae
Mi1557	750fr	African Fish-Eagle, <i>Haliaeetus vocifer</i>	Accipitridae
Mi1558	SS 2500fr	Black-shouldered Kite, <i>Elanus caeruleus</i>	Accipitridae
	Margin	LR: European Honey-Buzzard, <i>Pernis apivorus</i>	Accipitridae
		L: Crowned Hawk-Eagle, <i>Stephanoaetus coronatus</i>	Accipitridae

2014 March 10 (Bee-eaters) (MS of 4 & SS of 1)**A***

Mi1559	250fr	White-throated Bee-eater, <i>Merops albicollis</i>	Meropidae
Mi1560	350fr	Rosy Bee-eater, <i>Merops malimbicus</i>	Meropidae
Mi1561	500fr	Red-throated Bee-eater, <i>Merops bulocki</i>	Meropidae
Mi1562	750fr	Green Bee-eater, <i>Merops orientalis</i>	Meropidae

IVORY COAST (continued)

Mi1563 SS	2500fr	Blue-headed Bee-eater, <i>Merops muelleri</i>	Meropidae	
Margin		LL: Black Bee-eater, <i>Merops gularis</i>	Meropidae	
2014 March 10 (Woodhoopoes) (MS of 4 & SS of 1)				A*
Mi1564	250fr	Green Woodhoopoe, <i>Phoeniculus purpureus</i>	Phoeniculidae	
Mi1565	350fr	Forest Woodhoopoe, <i>Phoeniculus castaneiceps</i>	Phoeniculidae	Vol. 63(4)
Mi1566	500fr	Black Scimitar-Bill, <i>Rhinopomastus aterrimus</i>	Phoeniculidae	Vol. 63(4)
Mi1567	750fr	Green Woodhoopoe, <i>Phoeniculus purpureus</i>	Phoeniculidae	
Mi1568 SS	2500fr	White-headed Woodhoopoe, <i>Phoeniculus bollei</i>	Phoeniculidae	
Margin		UL & LR: Green Woodhoopoe, <i>Phoeniculus purpureus</i>	Phoeniculidae	
2014 March 10 (Endangered Species) (MS of 4, only 1 with bird)				A*
Mi1621	500fr	White-backed Vulture, <i>Gyps africanus</i>	Accipitridae	
JAPAN 2015 February 2				A*
A set of 12 stamps (Sc#3788–99) depicting a mix of flora and fauna, with one stamp featuring a bird.				
3791	10¥	Crested Ibis, <i>Nipponia nippon</i>	Threskiornithidae	
KYRGYZSTAN 2014 June 21 (Vulture-WWF) (Block of 4)				A*
464	29s	Cinereous Vulture, <i>Aegypius monachus</i> (head)	Accipitridae	
465	35s	Same bird (in flight)		
466	62s	Same bird (adult and chick in nest)		
467	74s	Same bird (on the ground)		
467a		Block of 4 (Sc#464–67)		
KYRGYZ EXPRESS POST 2014 November 19 (Wild Animals) (Sheet of 4)				A*
5a	15s	Saker Falcon, <i>Falco cherrug</i>	Falconidae	
5		Sheet of 4 (Sc#4/5a–c)		
MICRONESIA 2014 March 24 (Parrots) (MS of 6 & SS of 1)				A*
1048a	\$1	Moluccan King-Parrot, <i>Alisterus amboinensis</i>	Psittaculidae	
1048b	\$1	Red-cheeked Parrot, <i>Geoffroyus geoffroyi</i>	Psittaculidae	
1048c	\$1	Camiguin Hanging-Parrot, <i>Loriculus camiguinensis</i>	Psittaculidae	new
1048d	\$1	Blue-crowned Hanging-Parrot, <i>Loriculus galgulus</i>	Psittaculidae	
1048e	\$1	Red-breasted Parakeet, <i>Psittacula alexandri</i>	Psittaculidae	
1048f	\$1	Blue-napped Parrot, <i>Tanygnathus lucionensis</i>	Psittaculidae	
1049	SS \$3.50	Red-breasted Parakeet, <i>Psittacula alexandri</i> (Cap: <i>Alisterus amboinensis</i>)	Psittaculidae	
2014 May 8 (Birds) (Set of 8)				A*
1066	1c	Black Tern, <i>Chlidonias niger</i>	Laridae	
1067	2c	Black-headed Gull, <i>Chroicocephalus ridibundus</i>	Laridae	
1068	4c	Sabine's Gull, <i>Xema sabina</i> (Cap: <i>Larus sabini</i>)	Laridae	
1069	5c	Common Tern, <i>Sterna hirundo</i> (Cap: Caspian Tern, <i>Hydroprogne caspia</i>)	Laridae	
1070	10c	Mew Gull, <i>Larus canus</i> (Cap: Common Gull)	Laridae	
1071	49c	White-winged Tern, <i>Chlidonias leucopterus</i> (Cap: White-winged Black Tern)	Laridae	
1072	50c	Wilson's Storm-Petrel, <i>Oceanites oceanicus</i>	Hydrobatidae	
1073	\$1	Pomarine Jaeger, <i>Stercorarius pomarinus</i> (Cap: Great Skua, <i>Stercorarius skua</i>)	Stercorariidae	

MONTSERRAT**2014 April 22** (Hummingbirds) (MS of 4 & SS of 2)**A***

1341a	\$3	Bronze-tailed Plumeleteer, <i>Chalybura urochrysia</i>	Trochilidae	
1341b	\$3	White-bellied Mountain-gem, <i>Oreopyra hemileucus</i>	Trochilidae	Vol. 63(3)
1341c	\$3	Olivaceous Thornbill, <i>Chalcostigma olivaceum</i>	Trochilidae	Vol. 63(2)
1341d	\$3	White-bellied Emerald, <i>Amazilia candida</i>	Trochilidae	Vol. 63(2)
1342a	SS \$3.50	Chestnut-breasted Coronet, <i>Boissonneaua matthewsii</i>	Trochilidae	Vol. 63(2)
1342b	SS \$3.50	Collared Inca, <i>Coeligena torquata</i>	Trochilidae	

MOZAMBIQUE

I last updated this country in Vol. 63(3), September 2014, for five issues of 2013, and Vol. 62(3), September 2013, for eight issues of 2012. The following issues span November 2013 through August 2014.

2013 November 25 (Eagles) (MS of 4 & SS of 1)**A***

Mi6957	46mt	Bonelli's Eagle, <i>Aquila fasciata</i>	Accipitridae	
Mi6958	46mt	Short-toed Eagle, <i>Circaetus gallicus</i>	Accipitridae	
Mi6959	46mt	African Hawk-Eagle, <i>Aquila spilogaster</i> (three birds)	Accipitridae	
Mi6960	46mt	African Hawk-Eagle, <i>Aquila spilogaster</i> (two birds)	Accipitridae	
Mi6961	SS 175mt	Tawny Eagle, <i>Aquila rapax</i>	Accipitridae	
	Margin	Top: Golden Eagle, <i>Aquila chrysaetos</i>	Accipitridae	

2013 November 25 (Extinct Species) (MS of 4 & SS of 1)**A***

Mi6963	46mt	Laughing Owl, <i>Sceloglaux albifacies</i>	Strigidae	
Mi6965	46mt	Labrador Duck, <i>Camptorhynchus labradorius</i>	Anatidae	
Mi6970	SS 175mt	Passenger Pigeon, <i>Ectopistes migratorius</i>	Columbidae	
	Margin	Top: Huia, <i>Heteralocha acutirostris</i>	Callaeidae	

2013 November 25 (Endangered Species) (MS of 4)**A***

Mi6966	46mt	New Britain Masked Owl, <i>Tyto aurantia</i>	Tytonidae	Vol. 63(2)
Mi6971	SS 175mt	Dodo, <i>Raphus cucullatus</i>	Alcidae	
	Margin	UL: Ivory-billed Woodpecker, <i>Campephilus principalis</i>	Picidae	

2013 November 25 (Global Warming) (MS of 4, only 1 bird)**A***

Mi7067	46mt	Adelie Penguin, <i>Pygoscelis adeliae</i>	Spheniscidae	
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2013 November 25 (Predators) (MS of 4 & SS of 1)**A***

c	46mt	African Fish-Eagle, <i>Haliaeetus vocifer</i>	Accipitridae	
N/A	SS Margin	UL: Eurasian Eagle-Owl, <i>Bubo bubo</i>	Strigidae	
		UR: Hooded Vulture, <i>Necrosyrtes monachus</i>	Accipitridae	

2014 February 25 (Passenger Pigeon) (MS of 4 & SS of 1)**A***

Mi7120	46mt	Passenger Pigeon, <i>Ectopistes migratorius</i> (two facing right)	Columbidae	
Mi7121	46mt	Same bird (one perched, one in flight)		
Mi7122	46mt	Same bird (one perched, one on nest)		
Mi7123	46mt	Same bird (two facing left)		
Mi7124	SS 175mt	Passenger Pigeon, <i>Ectopistes migratorius</i>	Columbidae	
	Margin	UR & LR: Same bird		

2014 February 25 (50th Anniv. Red List) (MS of 4, only 1 bird)**A***

Mi7185	46mt	Andean Flamingo, <i>Phoenicoparrus andinus</i>	Phoenicopteridae	
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2014 April 30 (Water Birds) (MS of 4 & SS of 1)**A***

Mi7280	46mt	Little Black Cormorant, <i>Phalacrocorax sulcirostris</i>	Phalacrocoracidae	
Mi7281	46mt	Australian Darter, <i>Anhinga novaehollandiae</i>	Anhingidae	
Mi7282	46mt	Little Pied Cormorant, <i>Phalacrocorax melanoleucos</i>	Phalacrocoracidae	
Mi7283	46mt	Black Swan, <i>Cygnus atratus</i>	Anatidae	

MOZAMBIQUE (continued)

Mi7284	SS 175mt	Australian Pelican, <i>Pelecanus conspicillatus</i>	Pelecanidae	
	Margin	UR: Rufous Night-Heron, <i>Nycticorax caledonicus</i> ♀	Ardeidae	
		LL: Rufous Night-Heron, <i>Nycticorax caledonicus</i> ♂	Ardeidae	
2014 April 30 (Penguins) (MS of 4 & SS of 1)				A*
Mi7285	46mt	Emperor Penguin, <i>Aptenodytes forsteri</i>	Spheniscidae	
Mi7286	46mt	Gentoo Penguin, <i>Pygoscelis papua</i>	Spheniscidae	
Mi7287	46mt	Adelie Penguin, <i>Pygoscelis adeliae</i>	Spheniscidae	
Mi7288	46mt	Chinstrap Penguin, <i>Pygoscelis antarctica</i>	Spheniscidae	
Mi7289	SS 175mt	King Penguin, <i>Aptenodytes patagonicus</i>	Spheniscidae	
	Margin	Bot: Gentoo Penguin, <i>Pygoscelis papua</i>	Spheniscidae	
		MR: Chinstrap Penguin, <i>Pygoscelis antarctica</i>	Spheniscidae	
2014 April 30 (Eagles) (MS of 4 & SS of 1)				A*
Mi7290	46mt	Golden Eagle, <i>Aquila chrysaetos</i>	Accipitridae	
Mi7291	46mt	Steller's Sea-Eagle, <i>Haliaeetus pelagicus</i>	Accipitridae	
Mi7292	46mt	White-tailed Eagle, <i>Haliaeetus albicilla</i>	Accipitridae	
Mi7293	46mt	Bald Eagle, <i>Haliaeetus leucocephalus</i>	Accipitridae	
Mi7294	SS 175mt	Bald Eagle, <i>Haliaeetus leucocephalus</i>	Accipitridae	
	Margin	LL: Bald Eagle, <i>Haliaeetus leucocephalus</i>	Accipitridae	
		UR: Steller's Sea-Eagle, <i>Haliaeetus pelagicus</i>	Accipitridae	
2014 April 30 (Owls) (MS of 4 & SS of 1)				A*
Mi7295	46mt	Great Gray Owl, <i>Strix nebulosa</i>	Strigidae	
Mi7296	46mt	Ural Owl, <i>Strix uralensis</i>	Strigidae	
Mi7297	46mt	Short-eared Owl, <i>Asio flammeus</i>	Strigidae	
Mi7298	46mt	Northern Hawk-Owl, <i>Surnia ulula</i>	Strigidae	
Mi7303	SS 175mt	Snowy Owl, <i>Bubo scandiacus</i>	Strigidae	
	Margin	LL: Eurasian Eagle-Owl, <i>Bubo bubo</i>	Strigidae	
		UR: Collared Scops-Owl, <i>Otus lettia</i>	Strigidae	
2014 April 30 (Owls) (MS of 4 & SS of 1)				A*
Mi7299	46mt	Barn Owl, <i>Tyto alba</i>	Tytonidae	
Mi7300	46mt	European Scops-Owl, <i>Otus scops</i>	Strigidae	
Mi7301	46mt	Great Horned Owl, <i>Bubo virginianus</i> (Cap: <i>Strix aluco</i>)	Strigidae	
Mi7302	46mt	Boreal Owl, <i>Aegolius funereus</i>	Strigidae	
Mi7304	SS 175mt	Little Owl, <i>Athene noctua</i>	Strigidae	
	Margin	LL: European Scops-Owl, <i>Otus scops</i>	Strigidae	
		UR: Barn Owl, <i>Tyto alba</i>	Tytonidae	
2014 August 20 (Mountains & Birds) (MS of 4 & SS of 1)				B*
a	46mt	Egyptian Vulture, <i>Neophron percnopterus</i>	Accipitridae	
b	46mt	Red Kite, <i>Milvus milvus</i>	Accipitridae	
c	46mt	Great Tit, <i>Parus major</i>	Paridae	
d	46mt	Whooper Swan, <i>Cygnus cygnus</i>	Anatidae	
	Margin	MR: Common Buzzard, <i>Buteo buteo</i>	Accipitridae	
		LR: Tawny Eagle, <i>Aquila rapax</i>	Accipitridae	
N/A	SS 175mt	Herring Gull, <i>Larus argentatus</i>	Laridae	
	Margin	Top: Golden Eagle, <i>Aquila chrysaetos</i>	Accipitridae	
		R: White-tailed Eagle, <i>Haliaeetus albicilla</i>	Accipitridae	
2014 August 20 (Climate Change) (MS of 4, only 1 bird)				A*
a	46mt	Adelie Penguin, <i>Pygoscelis adeliae</i>	Spheniscidae	

MOZAMBIQUE (continued)		2014 August 20 (Parrots) (MS of 4 & SS of 1)	A*
a	46mt	Blue-and-yellow Macaw, <i>Ara ararauna</i>	Psittacidae
b	46mt	Gray Parrot, <i>Psittacus erithacus</i>	Psittacidae
c	46mt	Sun Parakeet, <i>Aratinga solstitialis</i>	Psittacidae
d	46mt	Rosy-faced Lovebird, <i>Agapornis roseicollis</i>	Psittaculidae
	Margin	LR: Scarlet Macaw, <i>Ara macao</i>	Psittacidae
N/A	SS 175mt	Scarlet Macaw, <i>Ara macao</i>	Psittacidae
	Margin	L: Alexandrine Parakeet, <i>Psittacula eupatria</i> (simulated photo)	Psittaculidae
		R: Sulphur-crested Cockatoo, <i>Cacatua galerita</i> (sim photo)	Cacatuidae
		Bot: Blue-and-yellow Macaw, <i>Ara ararauna</i>	Psittacidae
		2014 August 20 (Birds of Prey) (MS of 4 & SS of 1)	A*
a	46mt	Egyptian Vulture, <i>Neophron percnopterus</i>	Accipitridae
b	46mt	Bald Eagle, <i>Haliaeetus leucocephalus</i>	Accipitridae
c	46mt	Osprey, <i>Pandion haliaetus</i>	Pandionidae
d	46mt	Eurasian Kestrel, <i>Falco tinnunculus</i>	Falconidae
	Margin	LR: Red-tailed Hawk, <i>Buteo jamaicensis</i>	Accipitridae
N/A	SS 175mt	Eurasian Sparrowhawk, <i>Accipiter nisus</i>	Accipitridae
	Margin	L: Galapagos Hawk, <i>Buteo galapagoensis</i> (simulated photo)	Accipitridae
		R: Peregrine Falcon, <i>Falco peregrinus</i> (simulated photo)	Falconidae
		R: Bald Eagle, <i>Haliaeetus leucocephalus</i>	Accipitridae
		2014 August 20 (Owls) (MS of 4 & SS of 1)	A*
a	46mt	Northern Saw-whet Owl, <i>Aegolius acadicus</i>	Strigidae
b	46mt	Little Owl, <i>Athene noctua</i>	Strigidae
c	46mt	Barred Owl, <i>Strix varia</i>	Strigidae
d	46mt	Burrowing Owl, <i>Athene cunicularia</i>	Strigidae
	Margin	LR: Great Horned Owl, <i>Bubo virginianus</i>	Strigidae
N/A	SS 175mt	Asian Barred Owlet, <i>Glaucidium cuculoides</i>	Strigidae
	Margin	L: Great Horned Owl, <i>Bubo virginianus</i> (simulated photo)	Strigidae
		R: Short-eared Owl, <i>Asio flammeus</i> (simulated photo)	Strigidae
		R: Barn Owl, <i>Tyto alba</i>	Tytonidae
		2014 August 20 (Bee-eaters) (MS of 4 & SS of 1)	A*
a	46mt	Chestnut-headed Bee-eater, <i>Merops leschenaultia</i> (bee in beak)	Meropidae
b	46mt	Same bird (one bird with wings spread)	
c	46mt	Same bird (two birds perched)	
d	46mt	European Bee-eater, <i>Merops apiaster</i>	Meropidae
	Margin	LR: European Bee-eater, <i>Merops apiaster</i>	Meropidae
N/A	SS 175mt	European Bee-eater, <i>Merops apiaster</i>	Meropidae
	Margin	L: Blue-tailed Bee-eater, <i>Merops philippinus</i> (simulated photo)	Meropidae
		R: European Bee-eater, <i>Merops apiaster</i> (simulated photo)	Meropidae
		R: European Bee-eater, <i>Merops apiaster</i>	Meropidae
NAMIBIA		2014 June 11	C*
Namibia issued two stamps (Sc#1291–92) and an un-numbered SS mentioned only in a catalogue note for the First Visit of the Chinese Navy to Namibia. One stamp in the SS features flamingoes in Walvis Bay harbor.			
Note	\$3.30	Lesser Flamingo, <i>Phoenicopterus minor</i>	Phoenicopteridae
	Margin	UR: Great White Pelican, <i>Pelecanus onocrotalus</i>	Pelecanidae
		2014 July 28 (Flora & Fauna of Kalahari Desert) (MS of 10)	A*
Each stamp inscribed "Postcard Rate," but only two stamps feature birds.			
1293a	(\$6)	Peregrine Falcon, <i>Falco peregrinus</i>	Falconidae
1293b	(\$6)	Ring-necked Dove, <i>Streptopelia capicola</i> (Cap: Cape Turtle-Dove)	Columbidae

NEVIS		2014 September 9 (Ducks) (2ea MS of 4 & 2ea SS of 1)		A*
1827a	\$3.25	Marbled Duck, <i>Marmaronetta angustirostris</i>	Anatidae	
1827b	\$3.25	Tufted Duck, <i>Aythya fuligula</i>	Anatidae	
1827c	\$3.25	Barrow's Goldeneye, <i>Bucephala islandica</i>	Anatidae	
1827d	\$3.25	King Eider, <i>Somateria spectabilis</i>	Anatidae	
1828a	\$3.25	Wood Duck, <i>Aix sponsa</i>	Anatidae	
1828b	\$3.25	Rosy-billed Pochard, <i>Netta peposaca</i>	Anatidae	Vol. 64(1)
1828c	\$3.25	Puna Teal, <i>Anas puna</i>	Anatidae	Vol. 64(1)
1828d	\$3.25	Maned Duck, <i>Chenonetta jubata</i> (Previously shown on a State or Federal Hunting Permit)	Anatidae	Vol. 64(1)
1829	SS \$10	Western Indian Whistling-Duck, <i>Dendrocygna arborea</i>	Anatidae	
1830	SS \$10	Yellow-billed Duck, <i>Anas undulate</i>	Anatidae	
NEW CALEDONIA		2014		A*
Kagu bird stamp definitive type of 2009 inscribed "2014" in s/a format.				
1072a	10fr	Kagu, <i>Rhynochetos jubatus</i>	Rhynochetidae	
1131a	30fr	Same bird		
		2014 September 8 (Flora & Fauna of Mining Scrubland) (SS of 3)		A*
1183a	110fr	Red-throated Parrotfinch, <i>Erythrura psittacea</i>	Estrildidae	
NEW ZEALAND (Ross Dependency)		2014 November 19		A*
A set of five round stamps titled "The Penguins of Antarctica." Also issued as a SS of 1 with a label and a SS of 5.				
L134	80c	Emperor Penguin, <i>Aptenodytes forsteri</i>	Spheniscidae	
L135	\$1.40	Adelie Penguin, <i>Pygoscelis adeliae</i>	Spheniscidae	
L136	\$2.00	Macaroni Penguin, <i>Eudyptes chrysolophus</i>	Spheniscidae	
L137	\$2.50	Gentoo Penguin, <i>Pygoscelis papua</i>	Spheniscidae	
L138	\$3	Chinstrap Penguin, <i>Pygoscelis antarctica</i>	Spheniscidae	
L138a		SS of 1 (Sc#L138) with label depicting a polar bear		
L138b		SS of 5 (Sc#L134-38)		
NORWAY		2015 January 2 (Wildlife Type of 2006)		A*
1756	31k	Eurasian Eagle-Owl, <i>Bubo bubo</i>	Strigidae	
		2015 January 2 (Birds) (Horiz s/a pair)		A*
1757	16k	Eurasian Blue Tit, <i>Cyanistes caeruleus</i>	Paridae	
1758	16k	Crested Tit, <i>Lophophanes cristatus</i>	Paridae	
1758a		Pair (Sc#1757-58)		
PALAU		2014 July 21 (Seagulls) (2ea MS of 6)		A*
Neither sheet has the English or scientific names of the seagulls being depicted.				
1216a	\$1	Herring Gull, <i>Larus argentatus</i>	Laridae	
1216b	\$1	Same bird		
1216c	\$1	Lesser Black-backed Gull, <i>Larus fuscus</i>	Laridae	
1216d	\$1	Great Black-backed Gull, <i>Larus marinus</i>	Laridae	
1216e	\$1	Lesser Black-backed Gull, <i>Larus fuscus</i>	Laridae	
1216f	\$1	Great Black-backed Gull, <i>Larus marinus</i>	Laridae	
1217a	\$1	Black-tailed Gull, <i>Larus crassirostris</i>	Laridae	
1217b	\$1	Great Black-backed Gull, <i>Larus marinus</i>	Laridae	
1217c	\$1	Herring Gull, <i>Larus argentatus</i>	Laridae	
1217d	\$1	Ring-billed Gull, <i>Larus delawarensis</i>	Laridae	
1217e	\$1	Same bird		
1217f	\$1	Same bird		

PALAU (continued)		2014 August 14 (Owls) (MS of 4 & 2ea SS of 1)		A*
1229a	\$1	Buffy Fish-Owl, <i>Ketupa ketupa</i>	Strigidae	
1229b	\$1	Barking Owl, <i>Ninox connivens</i>	Strigidae	
1229c	\$1	Southern Boobook, <i>Ninox novaeseelandiae</i> (Cap: Tasmanian Spotted Owl)	Strigidae	
1229d	\$1	Indian Scops-Owl, <i>Otus bakkamoena</i>	Strigidae	
1230	SS \$3	Ural Owl, <i>Strix uralensis</i>	Strigidae	
1231	SS \$4	Little Owl, <i>Athene noctua</i> (Cap: <i>Asio flammeus</i>)	Strigidae	
PARAGUAY		2013 August 19 (Birds) (Block of 10)		A*
2965a	2000g	White-faced Whistling-Duck, <i>Dendrocygna viduata</i>	Anatidae	
2965b	2000g	Turquoise-fronted Parrot, <i>Amazona aestiva</i>	Psittacidae	
2965c	2000g	Glittering-bellied Emerald, <i>Chlorostilbon lucidus</i> (Cap: <i>C. aureoventris</i>)	Trochilidae	
2965d	2000g	Jabiru, <i>Jabiru mycteria</i>	Ciconiidae	
2965e	2000g	Eared Dove, <i>Zenaida auriculata</i>	Columbidae	
2965f	2000g	Burrowing Owl, <i>Athene cucularis</i>	Strigidae	
2965g	2000g	Giant Wood-Rail, <i>Aramides ypecaha</i>	Rallidae	
2965h	2000g	Black-bellied Whistling-Duck, <i>Dendrocygna autumnalis</i>	Anatidae	
2965i	2000g	Southern Caracara, <i>Polyborus plancus</i>	Falconidae	
2965j	2000g	Southern Lapwing, <i>Vanellus chilensis</i>	Charadriidae	
		2015 October 15		A*
Horiz pair with central label for the 100th Anniversary of Asunción Zoo and Botanical Gardens.				
3005a	3000g	Blue-and-yellow Macaw, <i>Ara ararauna</i>	Psittacidae	
3005b	10000g	Greater Rhea, <i>Rhea americana</i>	Rheidae	
PERU		2014 October 17 (Birds of Peru) (MS of 4)		A*
1862a	9s	Groove-billed Ani, <i>Crotophaga sulcirostris</i>	Cuculidae	
1862b	9s	Slender-billed Finch, <i>Xenospingus concolor</i>	Thraupidae	Vol. 63(4)
1862c	9s	Peruvian Thick-Knee, <i>Burhinus superciliaris</i>	Burhinidae	Vol. 63(4)
1862d	9s	Peruvian Pygmy-Owl, <i>Glaucidium peruanum</i>	Strigidae	Vol. 63(4)
SIERRA LEONE		2013 September 17 (Parrots of Africa) (2ea MS of 4 & 2ea SS of 1)		A*
3184a	5000le	Gray Parrot, <i>Psittacus erithacus</i> (Cap: African Grey Parrot)	Psittacidae	
3184b	5000le	Senegal Parrot, <i>Poicephalus senegalus</i>	Psittacidae	
3184c	5000le	Meyer's Parrot, <i>Poicephalus meyeri</i>	Psittacidae	
3184d	5000le	Brown-necked Parrot, <i>Poicephalus robustus</i> (Cap: Cape Parrot)	Psittacidae	
3185a	5000le	Gray-headed Lovebird, <i>Agapornis canus</i> (Cap: Madagascar Lovebird)	Psittaculidae	
3185b	5000le	Rosy-faced Lovebird, <i>Agapornis roseicollis</i>	Psittaculidae	
3185c	5000le	Yellow-collared Lovebird, <i>Agapornis personatus</i> (Cap: Masked Lovebird)	Psittaculidae	
3185d	5000le	Fischer's Lovebird, <i>Agapornis fischeri</i>	Psittaculidae	
3186	SS 16000le	Red-fronted Parrot, <i>Poicephalus gularis</i> (Cap: Jardine's Parrot)	Psittacidae	
3187	SS 16000le	Lilian's Lovebird, <i>Agapornis lilianae</i>	Psittaculidae	
SLOVENIA		2015 May 29 (Birds & Letters) (Set of 5)		A*
1119	1c	(P) Great Crested Grebe, <i>Podiceps cristatus</i>	Podicipedidae	
1120	2c	(O) Stock Dove, <i>Columba oenas</i>	Columbidae	
1121	5c	(S) Black Stork, <i>Ciconia nigra</i>	Ciconiidae	
1122	10c	(T) Snowy Plover, <i>Charadrius nivosus</i>	Charadriidae	
1123	20c	(A) White-winged Snowfinch, <i>Montifringilla nivalis</i>	Passeridae	

SOUTH AFRICA **2014 September 1** (Endangered Birds) (Horiz strip of 5) **A***
 Each stamp inscribed "International Small Letter." Each stamp has the name Andre Olwage, who is the artist. This is a beautiful set.

1528a	(14r)	Damara Tern, <i>Sterna balaenarum</i>	Laridae
1528b	(14r)	Taita Falcon, <i>Falco fasciinucha</i>	Falconidae
1528c	(14r)	Leach's Storm-Petrel, <i>Oceanodroma leucorhoa</i>	Hydrobatidae
1528d	(14r)	Wandering Albatross, <i>Diomedea exulans</i>	Diomedidae
		(Cap: Tristen Albatross, <i>Diomedea dabbenena</i> , which is a subspecies)	
1528e	(14r)	White-winged Flufftail, <i>Sarothrura ayresi</i>	Rallidae

SOUTH GEORGIA & SOUTH SANDWICH IS. **2015 January 30** (Albatrosses) (Set of 4) **A***

530	70p	Black-browed Albatross, <i>Thalassarche melanophris</i>	Diomedidae
531	80p	Gray-headed Albatross, <i>Thalassarche chrysostoma</i>	Diomedidae
532	1£	Light-mantled Albatross, <i>Phoebastria palpebrata</i>	Diomedidae
533	1.25£	Wandering Albatross, <i>Diomedea exulans</i>	Diomedidae

SRI LANKA **2014 August 22** (Pigeon Island Marine Natl. Park) (Set of 6 & SS) **A***

1937	7r	Rock Pigeon, <i>Columba livia</i>	Columbidae
1942a		SS of 6 (Sc#1937-42)	

SURINAM **2014 December 31** (Birds) (SS of 2) **A***

1480a	\$13	Chalk-browed Mockingbird, <i>Mimus saturninus</i>	Mimidae
1480b	\$16	Crested Bobwhite, <i>Colinus cristatus</i>	Odontophoridae

2015 March 18 (Birds) (MS of 12) **A***

1483a	\$2.25	Black Caracara, <i>Daptrius ater</i>	Falconidae
1483b	\$2.75	Long-winged Harrier, <i>Circus buffoni</i>	Accipitridae new
1483c	\$3.25	Savanna Hawk, <i>Buteogallus meridionalis</i>	Accipitridae
1483d	\$3.75	Great Black Hawk, <i>Buteogallus urubitinga</i>	Accipitridae Vol. 64(2)
1483e	\$4.25	Black-bellied Whistling-Duck, <i>Dendrocygna autumnalis</i>	Anatidae
1483f	\$4.75	Black-banded Owl, <i>Strix huhula</i>	Strigidae
1483g	\$5.25	Double-toothed Kite, <i>Harpagus bidentatus</i>	Accipitridae Vol. 64(2)
1483h	\$5.75	Slaty-backed Forest-Falcon, <i>Micrastur mirandollei</i>	Falconidae Vol. 64(2)
1483i	\$6.25	Common Potoo, <i>Nyctibius griseus</i>	Nyctibiidae
1483j	\$6.75	Black-and-white Hawk-Eagle, <i>Spizaetus melanoleucus</i>	Accipitridae
1483k	\$7.25	Plumbeous Kite, <i>Ictinia plumbea</i>	Accipitridae Vol. 64(2)
1483l	\$7.75	Gray-lined Hawk, <i>Buteo nitidus</i>	Accipitridae

SWITZERLAND **2014 September 4** (Wildlife) (Set of 4, only 1 with bird) **A***

The name Naomi Giewald on the stamps could be the artist, designer, or photographer.

1534	140c	Eurasian Nutcracker, <i>Nucifraga caryocatactes</i>	Corvidae
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TANZANIA **2013 December 31** (Sunbirds) (MS of 4 & SS of 1) **A***

2727a	2000sh	Scarlet-tufted Sunbird, <i>Deleornis fraseri</i>	Nectariniidae Vol. 63(2)
		(Cap: Fraser's Sunbird)	
2727b	2000sh	Anchieta's Sunbird, <i>Anthreptes anchietae</i>	Nectariniidae
2727c	2000sh	Collared Sunbird, <i>Hedydipna collaris</i>	Nectariniidae
2727d	2000sh	Eastern Olive Sunbird, <i>Cyanomitra olivacea</i>	Nectariniidae
2728	SS 5500sh	Nile Valley Sunbird, <i>Hedydipna metallica</i>	Nectariniidae Vol. 63(2)

TOGO

Last updated in Vol. 63(1), March 2014, for issues of 2013. This listing will be for issues to 1 June 2015. This country has not be updated by Scott Publishing since 2010.

2011 September 28 (African Ecosystems: Wetlands) (MS of 4) **A***

Mi4167	750fr	African Fish-Eagle, <i>Haliaeetus vocifer</i>	Accipitridae
Mi4168	750fr	Sacred Ibis, <i>Threskiornis aethiopicus</i>	Threskiornithidae

2011 September 28 (African Ecosystems: Highlands of Ethiopia) **A***

MS of 4 se-tenant stamps (one featuring a bird) and SS of 1.

Mi4209	750fr	Crowned Hawk-Eagle, <i>Stephanoaetus coronatus</i>	Accipitridae
Mi4235SS Margin		UL & UR: Martial Eagle, <i>Polemaetus bellicosus</i>	Accipitridae
		ML: Marabou Stork, <i>Leptoptilos crumenifer</i>	Ciconiidae
		LL: Secretary-bird, <i>Sagittarius serpentarius</i>	Sagittariidae
		LR: African Hawk-eagle, <i>Aquila spilogaster</i>	Accipitridae

2011 September 28 (African Ecosystems: Lake Victoria) (SS of 1) **A***

Mi4227 SS 3000fr		White-fronted Bee-eater, <i>Merops bullockoides</i>	Meropidae
Margin		UR: Blue-breasted Bee-eater, <i>Merops variegates</i>	Meropidae
		LR: Dusky-brown Flycatcher, <i>Muscicapa adusta</i>	Muscicapidae

2012 November 10 **A***

MS of 4 se-tenant stamps (Mi4508–11) for 210th Anniversary of Johann Friedrich Von Brandt (1802-1879), with one stamp featuring a bird and portrait of Von Brandt.

Mi4510	750fr	Spectacled Eider, <i>Somateria fischeri</i>	Anatidae
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2013 November 15 (Kingfishers) (MS of 4 & SS of 1) **A***

a	750fr	Pied Kingfisher, <i>Ceryle rudis</i>	Alcedinidae
b	750fr	African Pygmy-Kingfisher, <i>Ispidina picta</i>	Alcedinidae
c	750fr	Giant Kingfisher, <i>Megaceryle maximus</i>	Alcedinidae
d	750fr	Gray-headed Kingfisher, <i>Halcyon leucocephala</i>	Alcedinidae
N/A	SS 2500fr	Malachite Kingfisher, <i>Alcedo cristata</i>	Alcedinidae
Margin		R: Same bird diving underwater	

2013 November 15 (Bee-eaters) (MS of 4 & SS of 1) **A***

a	750fr	Swallow-tailed Bee-eater, <i>Merops hirundineus</i>	Meropidae
b	750fr	Northern Carmine Bee-eater, <i>Merops nubicus</i>	Meropidae
c	750fr	Black Bee-eater, <i>Merops gularis</i>	Meropidae
d	750fr	Rosy Bee-eater, <i>Merops malimbicus</i>	Meropidae
N/A	SS 2500fr	Little Bee-eater, <i>Merops pusillus</i>	Meropidae
Margin		UR: European Bee-eater, <i>Merops apiaster</i>	Meropidae
		Bot: Blue-cheeked Bee-eater, <i>Merops persicus</i>	Meropidae
		LL: White-throated Bee-eater, <i>Merops albicollis</i>	Meropidae

2013 November 15 (Pigeons & Doves) (MS of 4 & SS of 1) **A***

a	750fr	Bruce's Green-Pigeon, <i>Treron waalia</i>	Columbidae
b	750fr	Laughing Dove, <i>Streptopelia senegalensis</i>	Columbidae
c	750fr	African Green-Pigeon, <i>Treron calva</i>	Columbidae
d	750fr	Blue-headed Wood-Dove, <i>Turtur brehmeri</i>	Columbidae
N/A	SS 2500fr	European Turtle-Dove, <i>Streptopelia turtur</i>	Columbidae
Margin		UR: Namaqua Dove, <i>Oena capensis</i>	Columbidae
		LR: Vinaceous Dove, <i>Streptopelia vinacea</i>	Columbidae
		LL: Rock Pigeon, <i>Columba livia</i>	Columbidae

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TOGO (continued)		2013 December 5 (Owls & Mice) (MS of 4 & SS of 1)		A*
a	750fr	Northern Saw-whet Owl, <i>Aegolius acadicus</i>	Strigidae	
b	750fr	Barred Owl, <i>Strix varia</i>	Strigidae	
c	750fr	Spotted Owl, <i>Strix occidentalis</i>	Strigidae	
d	750fr	Western Screech-Owl, <i>Megascops kennicottii</i>	Strigidae	Vol. 63(2)
N/A	SS 2500fr	Barn Owl, <i>Tyto alba</i>	Tytonidae	
	Margin	UR: Tawny Owl, <i>Strix aluco</i>	Strigidae	
		LL: Northern Spotted Owl, <i>Strix occidentalis caurina</i>	Strigidae	
		2014 April 10 (50th Anniv. of the Red List) (MS of 4, only 2 birds)		A*
b	750fr	Crested Ibis, <i>Nipponia nippon</i>	Threskiornithidae	
d	750fr	Yellow-nosed Albatross, <i>Thalassarche chlororhynchos</i>	Diomedidae	
		2014 April 11 (African Penguins) (Horiz MS of 4 & SS of 2)		A*
a	600fr	Jackass Penguin, <i>Spheniscus demersus</i> (facing left)	Spheniscidae	
b	600fr	Same bird (looking toward camera)		
c	600fr	Same bird (facing right)		
d	600fr	Same bird (facing front)		
	Margin	Bot: Same bird (five birds on beach)		
a	SS 975fr	Same bird (single bird) (also in R margin)		
b	SS 975fr	Same bird (three birds)		
		2014 April 11 (African Birds) (MS of 4 & SS of 1)		A*
a	650fr	Ostrich, <i>Struthio camelus</i>	Struthionidae	
b	650fr	Lilac-breasted Roller, <i>Coracias caudate</i>	Coraciidae	
c	650fr	Scarlet Ibis, <i>Eudocimus ruber</i>	Threskiornithidae	
d	650fr	Southern Masked-Weaver, <i>Ploceus velatus</i>	Ploceidae	
N/A	SS 1900fr	Jackass Penguin, <i>Spheniscus demersus</i>	Spheniscidae	
		2014 May 20 (Bustard) (MS of 4, SS of 1, MS of 8+WWF label)		A*
Also issued in a sheet of 16 (four blocks), MS of 8+WWF label, deluxe sheet of 4, and SS of 1 of each individual stamp. These sheets also exist imperforate. All have the WWF panda emblem.				
a	750fr	Stanley Bustard, <i>Neotis denhami</i> (one bird on ground)	Otididae	
b	750fr	Same bird (chick)		
c	750fr	Same bird (two birds on ground)		
d	750fr	Same bird (two birds in flight)		
N/A	SS 2500fr	Same bird (also two in margin)		
		2014 June 30 (Owls) (MS of 4 & SS of 1)		A*
a	750fr	Spotted Eagle-Owl, <i>Bubo africanus</i>	Strigidae	
b	750fr	Barn Owl, <i>Tyto alba</i>	Tytonidae	
c	750fr	Snowy Owl, <i>Bubo scandiacus</i>	Strigidae	
d	750fr	Great Horned Owl, <i>Bubo virginianus</i>	Strigidae	
N/A	SS 2500fr	Little Owl, <i>Athene noctua</i>	Strigidae	
	Margin	LR: Spotted Eagle-Owl, <i>Bubo africanus</i>	Strigidae	
		LL: Long-eared Owl, <i>Asio otus</i>	Strigidae	
		2014 June 30 (Birds of Prey) (MS of 4 & SS of 1)		A*
a	750fr	Brown Falcon, <i>Falco berigora</i>	Falconidae	
b	750fr	Swamp Harrier, <i>Circus approximans</i>	Accipitridae	
c	750fr	Osprey, <i>Pandion haliaetus</i>	Pandionidae	
d	750fr	Brahminy Kite, <i>Haliastur indus</i>	Accipitridae	
N/A	SS 2500fr	Eurasian Griffon, <i>Gyps fulvus</i>	Accipitridae	
	Margin	LL: Brown Falcon, <i>Falco berigora</i>	Falconidae	
		LR: Osprey, <i>Pandion haliaetus</i>	Pandionidae	

TOGO (continued)		2014 June 30 (Climate Change) (MS of 4, only 1 bird, & SS of 1)		A*
b	750fr	Eurasian Eagle-Owl, <i>Bubo bubo</i>	Strigidae	
N/A	SS 2500fr	Snowy Owl, <i>Bubo scandiacus</i>	Strigidae	
		2014 August 20 (Eagles) (MS of 4 & SS of 1)		A*
a	750fr	Lesser Spotted Eagle, <i>Aquila pomarina</i>	Accipitridae	
b	750fr	Golden Eagle, <i>Aquila chrysaetos</i>	Accipitridae	
c	750fr	Steppe Eagle, <i>Aquila nipalensis</i>	Accipitridae	
d	750fr	Tawny Eagle, <i>Aquila rapax</i>	Accipitridae	
	Margin	Bot: Golden Eagle, <i>Aquila chrysaetos</i> L & UR: U/I sp.	Accipitridae	
N/A	SS 2500fr	Tawny Eagle, <i>Aquila rapax</i>	Accipitridae	
	Margin	Golden Eagle, <i>Aquila chrysaetos</i> UL & LL: U/I sp.	Accipitridae	
		2014 August 30 (Birds & Windmills) (MS of 4 & SS of 1)		B*
a	750fr	Red-crowned Crane, <i>Grus japonensis</i>	Gruidae	
b	750fr	Great Tit, <i>Parus major</i>	Paridae	
c	750fr	Greylag Goose, <i>Anser anser</i>	Anatidae	
d	750fr	Snow Goose, <i>Chen caerulescens</i>	Anatidae	
	Margin	Peregrine Falcon, <i>Falco peregrinus</i>	Falconidae	
N/A	SS 2500fr	Mute Swan, <i>Cygnus olor</i>	Anatidae	
	Margin	Trumpeter Swan, <i>Cygnus buccinator</i> Bald Eagle, <i>Haliaeetus leucocephalus</i>	Anatidae Accipitridae	
		2014 August 30 (Birds) (MS of 4 & SS of 1)		A*
a	750fr	Purple-bibbed Whitetip, <i>Urosticte benjamini</i>	Trochilidae	Vol. 63(4)
b	750fr	Palm Cockatoo, <i>Probosciger aterrimus</i>	Cacatuidae	
c	750fr	Bali Myna, <i>Leucopsar rothschildi</i>	Sturnidae	
d	750fr	Golden Pheasant, <i>Chrysolophus pictus</i>	Phasianidae	
	Margin	L: Black Crowned-Crane, <i>Balearica pavonina</i> (head only) UR: U/I sp. (head only) Bot: Barn Swallow, <i>Hirundo rustica</i> (five chicks in nest)	Gruidae Hirundinidae	
N/A	SS 2500fr	Osprey, <i>Pandion haliaetus</i>	Pandionidae	
	Margin	UL: U/I sp. (with chick) LL: U/I sp. (swallowing fish) LR: Indian peafowl, <i>Pavo cristatus</i>	Phasianidae	
		2014 October 30 (Owls) (MS of 4 & SS of 1)		A*
a	750fr	Great Gray Owl, <i>Strix nebulosa</i>	Strigidae	
b	750fr	Snowy Owl, <i>Bubo scandiacus</i>	Strigidae	
c	750fr	Barn Owl, <i>Tyto alba</i>	Tytonidae	
d	750fr	Spotted Eagle-Owl, <i>Bubo africanus</i>	Strigidae	
N/A	SS 2500fr	Snowy Owl, <i>Bubo scandiacus</i>	Strigidae	
	Margin	L: Barn Owl, <i>Tyto alba</i>	Tytonidae	
		2014 October 30 (Pigeons & Doves) (MS of 4 & SS of 1)		A*
a	750fr	Ring-necked Dove, <i>Streptopelia capicola</i>	Columbidae	
b	750fr	Zebra Dove, <i>Geopelia striata</i>	Columbidae	
c	750fr	Inca Dove, <i>Columbina inca</i>	Columbidae	
d	750fr	Common Wood-Pigeon, <i>Columba palumbus</i>	Columbidae	
N/A	SS 2500fr	Crested Pigeon, <i>Ocyphaps lophotes</i>	Columbidae	Vol. 64(1)
	Margin	L: Victoria Crowned-Pigeon, <i>Goura victoria</i>	Columbidae	

TOGO (continued)		2014 October 30 (Sunbirds & Spiderhunters) (MS of 4 & SS of 1)		A*
a	750fr	Little Spiderhunter, <i>Arachnothera longirostra</i>	Nectariniidae	
b	750fr	Southern Double-collared Sunbird, <i>Nectarinia chalybea</i>	Nectariniidae	Vol. 64(1)
c	750fr	Eastern Crimson Sunbird, <i>Aethopyga siparaja</i>	Nectariniidae	
d	750fr	Plain-throated Sunbird, <i>Anthreptes malacensis</i> ♂	Nectariniidae	
N/A	SS 2500fr	Malachite Sunbird, <i>Nectarinia famosa</i>	Nectariniidae	
	Margin	Plain-throated Sunbird, <i>Anthreptes malacensis</i> ♀	Nectariniidae	
		2014 December 30 (African Birds) (Vert MS of 4 & SS of 1)		A*
a	750fr	Red-footed Booby, <i>Sula sula</i>	Sulidae	
b	750fr	Red-tailed Tropicbird, <i>Phaethon rubricauda</i>	Phaethontidae	
c	750fr	Wahlberg's Eagle, <i>Aquila wahlbergi</i>	Accipitridae	
d	750fr	Dalmatian Pelican, <i>Pelecanus crispus</i>	Pelecanidae	
	Margin	L: Secretary-bird, <i>Sagittarius serpentarius</i>	Sagittariidae	
N/A	SS 2500fr	Shoebill, <i>Balaeniceps rex</i>	Balaenicipitidae	
	Margin	LR: Great Blue Heron, <i>Ardea herodias</i>	Ardeidae	
		UR: Black-bellied Bustard, <i>Lissotis melanogaster</i>	Otididae	
		2014 December 30 (Birds of Prey) (Vert MS of 4 & SS of 1)		A*
a	750fr	Steller's Sea-Eagle, <i>Haliaeetus pelagicus</i>	Accipitridae	
b	750fr	Bald Eagle, <i>Haliaeetus leucocephalus</i>	Accipitridae	
c	750fr	Andean Condor, <i>Vultur gryphus</i>	Cathartidae	
d	750fr	Northern Long-eared Owl, <i>Asio otus</i>	Strigidae	
	Margin	King Vulture, <i>Sarcoramphus papa</i>	Cathartidae	
N/A	SS 2500fr	Eurasian Griffon, <i>Gyps fulvus</i>	Accipitridae	
	Margin	R: Barn Owl, <i>Tyto alba</i>	Tytonidae	
		2015 January 1 (Endangered Species) (MS of 4, only 1 with bird)		A*
c	750fr	Jackass Penguin, <i>Spheniscus demersus</i>	Spheniscidae	
		2015 April 22 (Owls) (Vert MS of 4 & SS of 1)		A*
a	750fr	Spectacled Owl, <i>Pulsatrix perspicillata</i>	Strigidae	
b	750fr	Great Gray Owl, <i>Strix nebulosa</i>	Strigidae	
c	750fr	Eastern Screech-Owl, <i>Megascops asio</i>	Strigidae	
d	750fr	Northern Hawk-Owl, <i>Surnia ulula</i>	Strigidae	
	Margin	L: U/I owl sp.		
N/A	SS 2500fr	R: Barn Owl, <i>Tyto alba</i>	Tytonidae	
		L: Eurasian Eagle-Owl, <i>Bubo bubo</i>	Strigidae	
	Margin	R: Barn Owl, <i>Tyto alba</i>	Tytonidae	
		2015 April 22 (Audubon 230th Anniv.) (Vert MS of 4 & SS of 1)		A*
b	750fr	Blue Jay, <i>Cyanocitta cristata</i>	Corvidae	
d	750fr	Carolina Parakeet, <i>Conuropsis carolinensis</i> †	Psittacidae	
N/A	SS Margin	R: Ruffed Grouse, <i>Bonasa umbellus</i>	Phasianidae	
		2015 June 1 (Hummingbirds) (MS of 4 & SS of 1)		A*
a	750fr	Anna's Hummingbird, <i>Calypte anna</i>	Trochilidae	
b	750fr	Broad-tailed Hummingbird, <i>Cynanthus latirostris</i>	Trochilidae	
c	750fr	Black-chinned Hummingbird, <i>Archilochus alexandri</i>	Trochilidae	
d	750fr	Ruby-throated Hummingbird, <i>Archilochus colubris</i>	Trochilidae	
	Margin	R: Ruby-throated Hummingbird, <i>Archilochus colubris</i>	Trochilidae	
N/A	SS 2500fr	Magnificent Hummingbird, <i>Eugenes fulgens</i>	Trochilidae	
	Margin	LL & R: Broad-billed Hummingbird, <i>Cynanthus latirostris</i>	Trochilidae	

TONGA			2014 September 15 (Birds) (Horiz MS of 3+3 labels)	A*
1257a	11.30pa	Barn Owl, <i>Tyto alba</i>	Tytonidae	
1257b	16.90pa	Blue-crowned Lorikeet, <i>Vini australis</i>	Psittaculidae	
1257c	28pa	Buff-banded Rail, <i>Gallirallus philippensis</i>	Rallidae	

TRINIDAD & TOBAGO			2013 November 8	A*
A \$2.50 denomination stamp (Sc#516) issued 17 December 1990, surcharged.				

898	\$1	Bay-headed Tanager, <i>Tangara gyrola</i>	Thraupidae	
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TUVALU			2014 July 21 (Ducks) (2ea MS of 4 & 2ea SS of 2)	A*
1288a	\$1.40	Mandarin Duck, <i>Aix galericulata</i> (facing right)	Anatidae	
1288b	\$1.40	Same duck (facing left)		
1288c	\$1.40	Same duck (with wing extended)		
1288d	\$1.40	Same duck (in water)		
1289a	\$1.40	Wood Duck, <i>Aix sponsa</i> ♀	Anatidae	
1289b	\$1.40	Mallard, <i>Anas platyrhynchos</i>	Anatidae	
1289c	\$1.40	Wood Duck, <i>Aix sponsa</i> ♂	Anatidae	
1289d	\$1.40	Mandarin Duck, <i>Aix galericulata</i>	Anatidae	
1290a	SS \$2.25	Wood Duck, <i>Aix sponsa</i>	Anatidae	
1290b	SS \$2.25	Mandarin Duck, <i>Aix galericulata</i>	Anatidae	
1291a	SS \$2.25	Mallard, <i>Anas platyrhynchos</i>	Anatidae	
1291d	SS \$2.25	Mandarin Duck, <i>Aix galericulata</i>	Anatidae	

2014 August 14 (Macaws) **A***

Two MS of 6 se-tenant stamps each, featuring different feather lines and colors in the background and one SS of 2 and one SS of 1.

1294a-f	\$1	Blue-and-yellow Macaw, <i>Ara ararauna</i>	Psittacidae	
1295a-f	\$1	Scarlet Macaw, <i>Ara macao</i>	Psittacidae	
1296a-b	\$2.25	Blue-and-yellow Macaw, <i>Ara ararauna</i>	Psittacidae	
1297	SS \$4.50	Red-and-green Macaw, <i>Ara chloropterus</i>	Psittacidae	

UGANDA

I have not listed any issues for Uganda subsequent to 2011, and Scott Publishing has also fallen behind listing issues for them as well, having assigned numbers only up to 2012. Listed below are the issues I am aware of for 2012-14.

2012 March 30 (Owls) (MS of 4 & SS of 1)			A*	
1931a	3400sh	Pel's Fishing-Owl, <i>Scotopelia peli</i>	Strigidae	
1931b	3400sh	African Wood-Owl, <i>Strix woodfordii</i>	Strigidae	
1931c	4100sh	Spotted Eagle-Owl, <i>Bubo africanus</i>	Strigidae	
1931d	4100sh	Cape Eagle-Owl, <i>Bubo capensis</i>	Strigidae	
	Margin	Top: African Grass-Owl, <i>Tyto capensis</i>	Tytonidae	
		Bot: Southern White-faced Owl, <i>Ptilopsis granti</i>	Strigidae	
1941	SS 8300sh	Verreaux's Eagle-Owl, <i>Bubo lacteus</i>	Strigidae	
	Margin	LL: Pearl-spotted Owlet, <i>Glaucidium perlatum</i>	Strigidae	
		LR: Barn Owl, <i>Tyto alba</i>	Tytonidae	
		MR: Short-eared Owl, <i>Asio flammeus</i>	Strigidae	

2012 March 30 (Kingfishers) (MS of 4 & SS of 1)			A*	
1932a	3400sh	Pied Kingfisher, <i>Ceryle rudis</i>	Alcedinidae	
1932b	3400sh	Gray-headed Kingfisher, <i>Halcyon leucocephala</i>	Alcedinidae	
1932c	4100sh	Common Kingfisher, <i>Alcedo atthis</i>	Alcedinidae	
		(Cap: Malachite Kingfisher, <i>Alcedo cristata</i>)		
1932d	4100sh	L: Malachite Kingfisher, <i>Corythornis cristatus</i>	Alcedinidae	
		R: Pied Kingfisher, <i>Ceryle rudis</i>	Alcedinidae	

UGANDA (continued)

1942	SS 8300sh	Gray-headed Kingfisher, <i>Halcyon leucocephala</i>	Alcedinidae	
	Margin	UR: Woodland Kingfisher, <i>Halcyon senegalensis</i>	Alcedinidae	
		LR: Blue-breasted Kingfisher, <i>Halcyon malimbica</i>	Alcedinidae	
2012 March 30 (Birds of Prey) (MS of 4 & SS of 1)				A*
1933a	3400sh	Tawny Eagle, <i>Aquila rapax</i>	Accipitridae	
1933b	3400sh	Bateleur, <i>Terathopius ecaudatus</i>	Accipitridae	
1933c	4100sh	Osprey, <i>Pandion haliaetus</i>	Pandionidae	
1933d	4100sh	Rueppell's Vulture, <i>Gyps rueppellii</i>	Accipitridae	
	Margin	UL: Eurasian Marsh-Harrier, <i>Circus aeruginosus</i>	Accipitridae	
		UR: Verreaux's Eagle, <i>Aquila verreauxii</i>	Accipitridae	
1943	SS 8300sh	Eurasian Marsh-Harrier, <i>Circus aeruginosus</i>	Accipitridae	
	Margin	LR: Augur Buzzard, <i>Buteo augur</i>	Accipitridae	
		UR: African Harrier-Hawk, <i>Polyboroides typus</i>	Accipitridae	
2012 March 30 (Endangered Species) (MS of 4 & SS of 1)				A*
1937a	3400sh	Beaudouins Snake-Eagle, <i>Circaetus beaudouini</i>	Accipitridae	Vol. 62(3)
	Margin	Ctr: African Skimmer, <i>Rynchops flavirostris</i>	Laridae	
1947	SS 8300sh	Black Crowned-Crane, <i>Balearica pavonina</i>	Gruidae	
	Margin	UR: Gray Parrot, <i>Psittacus erithacus</i>	Psittacidae	
2012 April 11 (Endangered Species) (SS of 1)				A*
1953	SS 10000sh	Ostrich, <i>Struthio camelus</i>	Struthionidae	
2012 November 8 (Endangered: Birds of Prey) (MS of 4 & SS of 1)				A*
2010a	3400sh	Egyptian Vulture, <i>Neophron percnopterus</i>	Accipitridae	
2010b	3400sh	Rueppell's Griffon, <i>Gyps rueppellii</i>	Accipitridae	
2010c	4100sh	Rueppell's Griffon, <i>Gyps rueppellii</i>	Accipitridae	
2010d	4100sh	Egyptian Vulture, <i>Neophron percnopterus</i>	Accipitridae	
2019	SS 8300sh	Rueppell's Griffon, <i>Gyps rueppellii</i>	Accipitridae	
	Margin	Egyptian Vulture, <i>Neophron percnopterus</i>	Accipitridae	
2012 November 8 (Endangered: Secretary-bird) (MS of 4 & SS of 1)				A*
2011a	3400sh	Secretary-bird, <i>Sagittarius serpentarius</i> (in flight to right)	Sagittariidae	
2011b	3400sh	Same bird (in flight to left)		
2011c	4100sh	Same bird (head & facing left)		
2011d	4100sh	Same bird (two birds facing left)		
2020	SS 8300sh	Secretary-bird, <i>Sagittarius serpentarius</i> (also three in margin)	Sagittariidae	
2012 November 8 (Endangered: Secretary-bird)				A*
Each individual stamp has a WWF panda emblem, but not the SS.				
2021a	4100sh	Secretary-bird, <i>Sagittarius serpentarius</i> (head & one on nest)	Sagittariidae	
2021b	4100sh	Same bird (two birds on ground)		
2021c	4100sh	Same bird (two birds in flight)		
2021d	4100sh	Same bird (head & one in flight)		
2021		Horiz strip of 4 (Sc#2021a-d)		
2021e		SS of 4 (Sc#2021a-d)		
2021f		SS of 8 (2ea Sc#2021a-d)		
2022	SS 8300sh	Same bird, but no WWF panda emblem (also in margin)		

UGANDA (continued)		2013 July 8 (Endangered/Vulnerable Species) (MS of 4 & SS of 1)		A*
a	1000sh	African Skimmer, <i>Rynchops flavirostris</i>	Laridae	
b	4000sh	Egyptian Vulture, <i>Neophron percnopterus</i>	Accipitridae	
c	7500sh	African Oystercatcher, <i>Haematopus moquini</i>	Haematopodidae	
d	7500sh	Gray Parrot, <i>Psittacus erithacus</i>	Psittacidae	
N/A	SS 7500sh	Ostrich, <i>Struthio camelus</i> (with egg)	Struthionidae	
	Margin	Bot: Blue Crane, <i>Anthropoides paradiseus</i> (with egg)	Gruidae	
		2013 July 8 (Nobel Peace Prize Laureates) (MS of 4, only 1 bird)		B*
c	7500sh	Short-eared Owl, <i>Asio flammeus</i> (with Wole Soyinka)	Strigidae	
		2013 July 8 (Endangered Predators) (MS of 4 & SS of 1)		A*
a	4000sh	California Condor, <i>Gymnogyps californianus</i>	Cathartidae	
N/A	SS Margin	UL: Great Philippine Eagle, <i>Pithecophaga jefferyi</i>	Accipitridae	
		2013 November 25 (Owls s-o-s) (MS of 4 & SS of 1)		A*
A sheet of four se-tenant stamps on stamps design, of four different countries for "World in Stamps."				
a	2500sh	Eurasian Eagle-Owl, <i>Bubo bubo</i> (Hungary Sc#C228)	Strigidae	
b	2500sh	Eurasian Eagle-Owl, <i>Bubo bubo</i> (France Sc#1339)	Strigidae	
c	2500sh	Brown Wood-Owl, <i>Strix leptogrammica</i> (Taiwan Sc#4053)	Strigidae	
d	2500sh	Southern White-faced Owl, <i>Ptilopsis granti</i> (Zimbabwe Sc#544)	Strigidae	
N/A	SS 7500sh	Extinct Owl Sp. <i>Ornimegalonyx oteroi</i> (Cuba Sc#2542)	Strigidae	
	Margin	UL: Great Horned Owl, <i>Bubo virginianus</i>	Strigidae	
		UR: Barn Owl, <i>Tyto alba</i>	Tytonidae	
		Bot: Great Horned Owl, <i>Bubo virginianus</i> (Peru Sc#1109)	Strigidae	
		MR: Barn Owl, <i>Tyto alba</i> (Russia Sc#4779)	Tytonidae	
		Ctr: Morepork, <i>Ninox novaeseelandiae</i> (Norfolk Is. Sc#133)	Strigidae	
		MR: Pel's Fishing-Owl, <i>Scotopelia peli</i> (Uganda Sc#1931a)	Strigidae	
		2013 November 25 (World Wildlife s-o-s) (MS of 4)		A*
c	2500sh	Burrowing Owl, <i>Athene cunicularia</i> (Aruba, Sc#104)	Strigidae	
		2014 February 26 (Domestic Animals: Canary) (MS of 4 & SS of 1)		A*
a	2500sh	Yellow-fronted Canary, <i>Serinus mozambicus</i>	Fringillidae	
b	2500sh	Island Canary, <i>Serinus canaria</i>	Fringillidae	
c	2500sh	Island Canary, <i>Serinus canaria</i> (Cap: <i>S. c. domestica</i>)	Fringillidae	
d	2500sh	Yellow-fronted Canary, <i>Serinus mozambicus</i>	Fringillidae	
	Margin	L: Yellow-fronted Canary, <i>Serinus mozambicus</i>	Fringillidae	
N/A	SS 7500sh	Island Canary, <i>Serinus canaria</i>	Fringillidae	
	Margin	L: Yellow-fronted Canary, <i>Serinus mozambicus</i>	Fringillidae	
		2014 February 26 (Bird Watching: Cranes) (MS of 4 & SS of 1)		A*
a	2500sh	Gray Crowned-Crane, <i>Balearica regulorum</i> (facing right)	Gruidae	
b	2500sh	Same bird (facing left)		
c	2500sh	Same bird (two birds)		
d	2500sh	Same bird (head & neck only)		
	Margin	L: Same bird (four birds standing together)		
N/A	SS 7500sh	Gray Crowned-Crane, <i>Balearica regulorum</i> (also in L margin)	Gruidae	
		2014 February 26 (Bird Watching: Flamingos) (MS of 4 & SS of 1)		A*
a	2500sh	Andean Flamingo, <i>Phoenicoparrus andinus</i>	Phoenicopteridae	
b	2500sh	Greater Flamingo, <i>Phoenicopterus roseus</i>	Phoenicopteridae	
c	2500sh	Chilean Flamingo, <i>Phoenicopterus chilensis</i>	Phoenicopteridae	
d	2500sh	American Flamingo, <i>Phoenicopterus ruber</i>	Phoenicopteridae	
N/A	SS 7500sh	Lesser Flamingo, <i>Phoenicopterus minor</i> (also in L margin)	Phoenicopteridae	

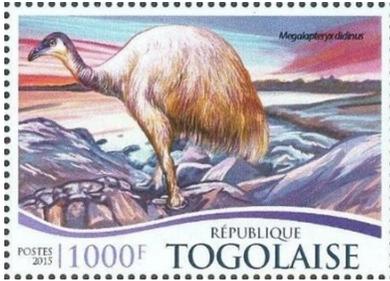
UGANDA (continued)		2014 February 26 (Bird Watching: Falcons) (MS of 4 & SS of 1)		A*
a	2500sh	Greater Kestrel, <i>Falco rupicoloides</i>	Falconidae	
b	2500sh	Lanner Falcon, <i>Falco biarmicus</i>	Falconidae	
c	2500sh	Peregrine Falcon, <i>Falco peregrinus</i>	Falconidae	
d	2500sh	Lesser Kestrel, <i>Falco naumanni</i>	Falconidae	
N/S	SS 7500sh	Eurasian Kestrel, <i>Falco tinnunculus</i>	Falconidae	
	Margin	L: U/I falcon sp.		
		2014 February 26 (Bird Watching: Parrots) (MS of 4 & SS of 1)		A*
a	2500sh	Red-and-green Macaw, <i>Ara chloroptera</i>	Psittacidae	
b	2500sh	Palm Cockatoo, <i>Probosciger aterrimus</i>	Cacatuidae	
c	2500sh	Sulphur-crested Cockatoo, <i>Cacatua galerita</i>	Cacatuidae	
d	2500sh	Great Green Macaw, <i>Ara ambiguus</i>	Psittacidae	
	Margin	L: Blue-and-yellow Macaw, <i>Ara ararauna</i>	Psittacidae	
N/A	SS 7500sh	Blue-and-yellow Macaw, <i>Ara ararauna</i> (also in L margin)	Psittacidae	
		2014 February 26 (Bird Watching: Water Birds)(MS of 4 & SS of 1)		A*
a	2500sh	Herring Gull, <i>Larus argentatus</i>	Laridae	
b	2500sh	Scarlet Ibis, <i>Eudocimus ruber</i>	Threskiornithidae	
c	2500sh	Common Kingfisher, <i>Alcedo atthis</i>	Alcedinidae	
d	2500sh	Great Egret, <i>Ardea alba</i>	Ardeidae	
	Margin	L: Mute Swan, <i>Cygnus olor</i>	Anatidae	
N/A	SS 7500sh	Royal Albatross, <i>Diomedea epomophora</i>	Diomedidae	
	Margin	L: U/I pelican sp.		
		2014 February 26 (Bird Watching: Vultures) (MS of 4 & SS of 1)		A*
a	2500sh	Andean Condor, <i>Vultur gryphus</i>	Cathartidae	
b	2500sh	Eurasian Griffon, <i>Gyps fulvus</i>	Accipitridae	
c	2500sh	Cape Griffon, <i>Gyps coprotheres</i>	Accipitridae	
d	2500sh	White-headed Vulture, <i>Trigonoceps occipitalis</i>	Accipitridae	
	Margin	L: U/I vulture		
N/A	SS 7500sh	Lammergeier, <i>Gypaetus barbatus</i>	Accipitridae	
	Margin	L: King Vulture, <i>Sarcoramphus papa</i> (head only)	Cathartidae	
		2014 February 26 (Hummingbirds) (MS of 4 & SS of 1)		A*
a	2500sh	Green Violetear, <i>Colibri thalassinus</i>	Trochilidae	
b	2500sh	Gilded Hummingbird, <i>Hylocharis chrysura</i>	Trochilidae	Vol. 63(4)
c	2500sh	Buff-winged Starfrontlet, <i>Coeligena lutetiae</i>	Trochilidae	Vol. 63(4)
d	2500sh	Green Violetear, <i>Colibri thalassinus</i>	Trochilidae	
	Margin	L: U/I hummingbird		
N/A	SS 7500sh	Black-chinned Hummingbird, <i>Archilochus alexandri</i>	Trochilidae	
	Margin	L: U/I hummingbird (head only)		
		2014 February 26 (Bird Watching: Hornbills) (MS of 4 & SS of 1)		A*
a	2500sh	Wreathed Hornbill, <i>Aceros undulatus</i>	Bucerotidae	
b	2500sh	Southern Ground-Hornbill, <i>Bucorvus leadbeateri</i>	Bucerotidae	
c	2500sh	White-crested Hornbill, <i>Tockus albocristatus</i>	Bucerotidae	
d	2500sh	Northern Red-billed Hornbill, <i>Tockus erythrorhynchus</i>	Bucerotidae	
	Margin	L: Great Hornbill, <i>Buceros bicornis</i>	Bucerotidae	
N/A	SS 7500sh	Southern Yellow-billed Hornbill, <i>Tockus leucomelas</i>	Bucerotidae	
	Margin	L: Southern Ground-Hornbill, <i>Bucorvus leadbeateri</i> (head only)	Bucerotidae	

UGANDA (continued)		2014 February 26 (Bird Watching: Eagles) (MS of 4 & SS of 1)		A*
a	2500sh	Golden Eagle, <i>Aquila chrysaetos</i>	Accipitridae	
b	2500sh	Bateleur, <i>Terathopius ecaudatus</i>	Accipitridae	
c	2500sh	Bald Eagle, <i>Haliaeetus leucocephalus</i>	Accipitridae	
d	2500sh	Harpy Eagle, <i>Harpia harpyja</i>	Accipitridae	
	Margin	L: U/I eagle		
N/A	SS 7500sh	White-tailed Eagle, <i>Haliaeetus albicilla</i>	Accipitridae	
	Margin	L: Bald Eagle, <i>Haliaeetus leucocephalus</i> (head only)	Accipitridae	
		2014 February 26 (Bird Watching: Bee-eaters) (MS of 4 & SS of 1)		A*
a	2500sh	Chestnut-headed Bee-eater, <i>Merops leschenaultia</i>	Meropidae	
b	2500sh	European Bee-eater, <i>Merops apiaster</i>	Meropidae	
c	2500sh	Blue-cheeked Bee-eater, <i>Merops persicus</i>	Meropidae	
d	2500sh	White-fronted Bee-eater, <i>Merops bullockoides</i>	Meropidae	
	Margin	L: U/I bee-eater		
N/A	SS 7500sh	Blue-throated Bee-eater, <i>Merops viridis</i>	Meropidae	
	Margin	L: U/I bee-eater		
URUGUAY		2014 July 22 (Tranqueras Centenary) (Single stamp)		A*
Designer: Daniel Pereyra.				
2477	15p	Greater Rhea, <i>Rhea americana</i>	Rheidae	
		2014 September 16 (Various Anniv.) (MS of 4, only 1 bird)		A*
2481b	15p	Greater Flamingo, <i>Phoenicopterus roseus</i>	Phoenicopteridae	
	Margin	UL: U/I hummingbird		
UZBEKISTAN		2014 May 30 (Fauna) (Set of 2)		A*
743	1000s	MacQueen's Bustard, <i>Chlamydotis macqueenii</i> (Cap: <i>Chlamydotis undulata</i>)	Otididae	
744	1300s	Little Bustard, <i>Tetrax tetrax</i>	Otididae	

NEW BIRDS IN THE PHILATELIC AVIARY

Charles E. Braun, BU1364

New Birds



†**UPLAND MOA**, *Megalapteryx didinus* †Megalapterygidae
Togo, 2015 June 15, not yet cataloged, 1000fr

Length: 26 to 38 inches, sexes alike, resident. All mottled gray.
Habitat: Sub-alpine herb fields, tussock, and montane forest.
Range: Formerly South Island, New Zealand. Extinct about 1500 AD.
Reference: Gill, B, and P. Martenson, *New Zealand Extinct Birds*, 1991.



PLUMBEOUS IBIS, *Theristicus caerulescens* Threskiornithidae
Uruguay, 2015 June 5, not yet cataloged, 15p

Length: 28 to 30 inches, sexes alike, resident. Gray with a bushy crest and white forehead.
Habitat: Open country, marshes, and swamps.
Range: Eastern Bolivia to Uruguay and northern Argentina.
Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World*, Volume 1.



LONG-WINGED HARRIER, *Circus buffoni* Accipitridae
Surinam, 2015 March 18, not yet cataloged, \$2.75

Length: 19 to 22 inches, migratory. The male (shown) is blackish above and sparsely spotted white below with a white face and rump. The female is brownish above and more heavily spotted below.
Habitat: Lowland open fields, marshes, grassland, and savanna.
Range: Breeds from Colombia to the Guianas and from central Brazil to central Chile. Winters from Colombia to northern Argentina.
Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World*, Volume 2.



HORNED COOT, *Fulica cornuta* Rallidae
Bolivia, 2015 May 16, not yet cataloged, 5.50b

Length: 18 to 21 inches, sexes alike, resident. Slate gray with a black horn on a yellow bill.
Habitat: Barren mountain lakes.
Range: Southwestern Bolivia to northwestern Argentina.
Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World*, Volume 3



CENTRAL AMERICAN PYGMY-OWL, *Glaucidium griseiceps* Strigidae
St. Thomas and Prince, 2015 May 21, not yet cataloged, 19000d

Length: 5 to 7 inches, sexes alike, resident. Brown with false eyes above (right) and white with rufous-brown streaks below (left).

Habitat: Humid forest and semi-open areas.

Range: Southern Mexico to Panama.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World*, Volume 5.



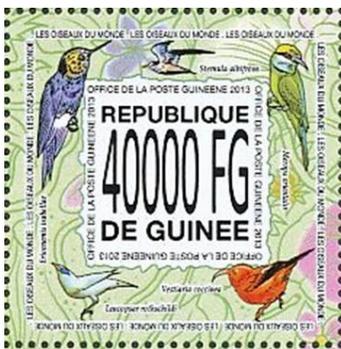
WEDGE-TAILED SABREWING, *Campylopterus curvipennis* Trochilidae
Guinea-Bissau, 2014 November 5, not yet cataloged, 850fr

Length: 5 inches, sexes similar, resident. Metallic green above and gray below with a purplish crown and a white spot behind the eyes.

Habitat: Forest edges, open woodlands, and gardens.

Range: Southern Mexico to Belize and eastern Honduras.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World*, Volume 5.



GORGETED PUFFLEG, *Eriocnemis isabellae* Trochilidae
Guinea, 2013 September 15, not yet cataloged, 40000fr (UL)
Previously in the margin of a Guinea 2011 issue [Vol. 61(2), p.100]

Length: 3.5 to 3.8 inches, resident. The male (shown) is blackish with a large green-and blue throat patch and white thighs. The female is bronzy-green above and golden-green below with a small throat patch.

Habitat: Stunted elfin forest.

Range: Southwestern Colombia.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World*, Special Volume.



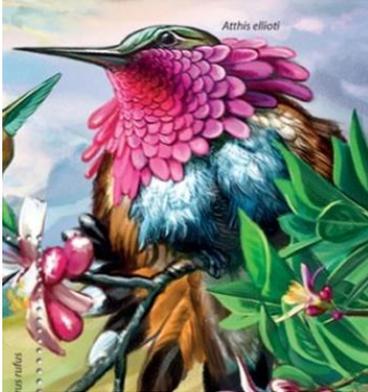
COLORFUL PUFFLEG, *Eriocnemis mirabilis* Trochilidae
Colombia, 2015 July 14, not yet cataloged \$500

Length: 3.5 to 3.8 inches, resident. The male (shown) is green with white thighs, indigo belly, red and coppery undertail-coverts, and a golden bronzy-green undertail. The female is green above and white below with green breast spots and reddish-bronze belly spots.

Habitat: Subtropical forest and forest borders.

Range: Southwestern Colombia.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World*, Volume 5.



WINE-THROATED HUMMINGBIRD, *Atthis ellioti* Trochilidae
Niger, 2015 April 20, not yet cataloged, 3000fr (R margin)

Length: 3 inches, resident. The male (shown) is green above and white below with an iridescent rose-pink throat and cinnamon flanks. The female has a gray-spotted white throat.

Habitat: Forest edges, woodland, and clearings.

Range: Southern Mexico to Honduras.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World*, Volume 5.



ESMERALDAS WOODSTAR, *Chaetocercus berlepschi* Trochilidae
Ecuador, 2015 June 16, not yet cataloged, \$3

Length; 3 inches, resident. The male (shown) is coppery-green with an iridescent rosy violet gorget and a grayish-white breast. The female is bronzy-green above and white below.

Habitat: Forest edge and second growth.

Range: Western Ecuador.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World*, Volume 5.



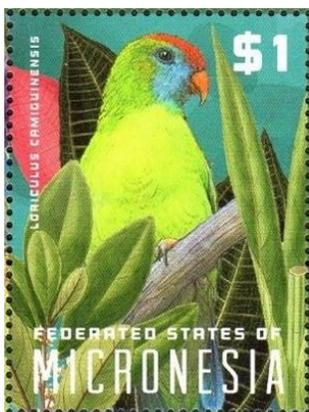
FOX KESTREL, *Falco alopex* Falconidae
Sierra Leone, 2015 May 22, not yet cataloged, 10000le

Length: 14 to 16 inches, sexes alike, resident. Deep chestnut streaked with black.

Habitat: Rocky hills and cliffs.

Range: Senegal to Sudan and northwestern Kenya.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World*, Volume 2



CAMIGUIN HANGING-PARROT, *Loriculus camaguinensis* Psittaculidae
Micronesia, 2014 March 24, not yet cataloged, \$1

Length: 6 inches, sexes alike, resident. Green with a red crown and blue throat, face, and thighs.

Habitat: Lowland forest, forest edges, bushy areas, and bamboo.

Range: Camiguin Island, Philippines.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World*, Volume 4.



WHITE-NECKED PARAKEET. *Pyrrhura albipectus* Psittacidae
Ecuador, 2015 June 16, not yet cataloged, \$2

Length: 10 inches, sexes alike, resident. Green with yellow breast and vent, brownish crown, and orange ears.

Habitat: Forest, forest edge, and clearings.

Range: Southeastern Ecuador.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World*, Volume 4.



LILACINE PARROT, *Amazona autumnalis lilacina* Psittacidae
Ecuador, 2015 June 16, not yet cataloged, 50c (A ssp. of Red-lored Parrot)

Length: 13 to 14 inches, sexes alike, resident. Green with red lores and superciliary and yellow cheeks.

Habitat: Forest edges, gallery woodland, and semi-open areas.

Range: Western Ecuador.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World*, Volume 4.

BARRED HONEYEATER, *Phylidonyris undulatus* Meliphagidae

New Caledonia, 2015 August 6, not yet cataloged (Margin, sixth down on the left-hand side)



Length: 6 to 8 inches, sexes alike, resident. Brownish above and scalloped and barred white below with black eye stripes and white malar stripes.

Habitat: Forest, woodland, and savanna.

Range: New Caledonia.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World*, Volume 13.



RADDE'S WARBLER. *Phylloscopus schwarzi* Phylloscopidae
Micronesia, 2015 April 16, not yet cataloged, \$3.50

Length: 5 inches, sexes alike, migratory. Brownish-olive above and grayish below with a buffish supercilium and dark brown eye stripes.

Habitat: Breeds in open taiga forest. Winters in bushes, scrub, and tall grass.

Range: Breeds in southern Siberia, northern Mongolia, and northeastern China. Winters from eastern Burma to Vietnam.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World*, Volume 11.



DUSKY BROWN FLYCATCHER, *Muscicapa adusta* Muscicapidae
Togo, 2011 September 28, Yv#517, 3000fr (LR margin)

Length: 5 inches, sexes alike, resident. Uniform dark brown above, paler below with a white throat.

Habitat: Forest clearings, parks, and gardens.

Range: Nigeria to Eritrea and South Africa.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World*, Volume 13.



CHESTNUT-BELLIED FLOWERPIERCER, *Diglossa gloriosissima*
Emberizidae

Colombia, 2015 July 14, not yet cataloged, \$1000

Length: 6 inches, sexes similar, resident. Black with a chestnut belly and silvery blue shoulders.

Habitat: Humid montane scrub and elfin forest.

Range: Central Colombia.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World*, Volume 16.



PALE-HEADED BRUSH-FINCH. *Atlapetes pallidiceps* Emberizidae
Ecuador, 2015 June 16, not yet cataloged, \$1

Length: 6 inches, sexes alike, resident. Gray-brown above and whitish below with a streaky white head.

Habitat: Low, arid scrubby woodland.

Range: Southwestern Ecuador.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World*, Volume 16.



MARINE INVERTEBRATES

Editor

Ian Hunter, BU1619

New Listings



Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
ALGERIA 2013 August 3 (Marine Life) (Set of 3)				
1593	15d	Purple Sea Urchin, <i>Paracentrotus lividus</i>	Parechinidae	A
1594	15d	Swimming Crab, <i>Bathynectes maravigna</i>	Polybiidae	A
1595	15d	Green Ormer, <i>Haliotis tuberculata</i>	Haliotidae	A
BAHAMAS 2014 August 16 (Underwater Post Office) (Set of 4)				
1417	50c	Octopus in window of Photosphere		B
1419	70c	Sea Garden: Elkhorn Coral, Sea Fans, Sponges, and Brain Coral (s-o-s)		B
BRITISH ANTARCTIC TERR. 2014 November 19 (Antarctic Marine Food Web) (Set of 4 & MS of 9)				
482	75p	Krill, <i>Euphausia superba</i> (with U/I Squid)	Euphausiidae	B
485e	65p	Krill, <i>Euphausia superba</i> (with U/I Squid)	Euphausiidae	B
485h	65p	Zooplankton		A
BRITISH INDIAN OCEAN TERR. 2014 June 9 (Coat of Arms) (Horiz pair & SS of 1)				
451a	54p	Shells on Coat of Arms		S B
451b	54p	Shells on Coat of Arms		S B
452	SS £2	Shells on Coat of Arms		S B
CANADA 2013 July 5 (Children's Literature: Stella) (SS of 2 & Bklt pane of 10)				
2652a	P (63c)	Starfish on beach with Stella (perf 12½)		S B
2652		SS of 2 (Sc#2652a-b)		
2654	P (63c)	Starfish on beach with Stella (s/a die cut 13¼)		S B
2654a		Bklt pane of 10 (Sea Sc#2653-54)		
CHRISTMAS ISLAND 2012 November 1 (Christmas) (s/a Bklt pane of 5)				
508	\$1.60	Red Crabs and Starfish (with Santa Claus)		S B
508a		Bklt pane of 5 (Sc#2508)		
DENMARK 2015 March 14 (450th Anniv. Herlufsholm)				
1709	10k	Three Scallops on Coat of Arms		S C
1709a	10k	Bklt pane 10 (Sc#1709)		
DOMINICA 2013 September 2 (Parrots of the Caribbean) (SS of 1)				
2796	Margin	Queen Conch, <i>Strombus gigas</i>	Strombidae	Z
FALKLAND ISLANDS 2013 August 29 (Shallow Marine Surveys Group) (Set & Strip 4, SS 3)				
1102	30p	Saffron Sea Cucumber, <i>Cladodactyla crocea</i>	Cucumariidae	A
1103	75p	Stalked Jellyfish, <i>Haliclystus antarcticus</i>	Lucernariidae	A
1104	£1	Scythe-edged Serolis, <i>Acanthoserolis schythei</i>	Serolidae	A
1105	£1.20	Naked Sea Urchin, <i>Arbacia dufresnii</i>	Arbaciidae	A
1106a	30p	Saffron Sea Cucumber, <i>Cladodactyla crocea</i>	Cucumariidae	A
1106b	75p	Stalked Jellyfish, <i>Haliclystus antarcticus</i>	Lucernariidae	A
1106c	£1	Scythe-edged Serolis, <i>Acanthoserolis schythei</i>	Serolidae	A
1106d	£1.20	Naked Sea Urchin, <i>Arbacia dufresnii</i>	Arbaciidae	A
1107a	SS £1	Painted Shrimp, <i>Campylonotus vagans</i>	Campylonotidae	A

GRENADA		2014 October 10 (Constellations) (MS of 3)		
3905a	\$3.75	Cancer the Crab		S
MARSHALL ISLANDS		2014 February 26 (Seashells Type of 1998) (Horiz strip of 4)		
1110a	49c	Adusta Murex, <i>Chicoreus brunneus</i>	Muricidae	A
1110b	49c	Golden Cowrie, <i>Cypraea aurantium</i>	Cypraeidae	A
1110c	49c	Chiragra Spider Conch, <i>Harpago (=Lambis) chiragra</i>	Strombidae	A
1110d	49c	Fluted Giant Clam, <i>Tridacna squamosa</i>	Tridacnidae	A
		2015 April 13 (Marine Life) (MS of 15)		
1113h	49c	U/I Sea Anemone		U A
MAYOTTE		2011 September 1 (Department of Mayotte)		
282	60c	Stylized child's drawing with Octopus, SCUBA Diver, Fish, and other marine animals		S
MONACO		2011 January 20 (50th Anniv. IAEA Marine Laboratory)		
2616	87c	U/I Corals		U B
NEVIS		2014 September 4 (Coral Reefs) (MS of 8 & SS of 2)		
1831a	\$3.25	U/I Coral (part of reef)		U A
1831b	\$3.25	U/I Coral (part of reef)		U A
1831c	\$3.25	U/I Coral (part of reef)		U A
1831d	\$3.25	U/I Coral (part of reef)		U A
1831e	\$3.25	U/I Coral (part of reef)		U A
1831f	\$3.25	U/I Coral (part of reef)		U A
1831g	\$3.25	U/I Coral (part of reef)		U A
1831h	\$3.25	U/I Coral (part of reef)		U A
1832a	SS \$5	U/I Coral (part of reef)		U A
1832b	SS \$5	U/I Coral (part of reef)		U A
PALAU		2014 February 26 (Shells) (2ea MS of 4 & 2ea SS of 2)		
1195a	\$1.75	Rose Branch Murex, <i>Chicoreus palmarosae</i>	Muricidae	A
1195b	\$1.75	Grey Bonnet, <i>Phalium glaucum</i>	Cassidae	A
1195c	\$1.75	General Cone, <i>Conus generalis</i>	Conidae	A
1195d	\$1.75	Feathered Cone, <i>Conus pennaceus (Conus episcopus)</i>	Conidae	A
1196a	\$1.75	General Cone, <i>Conus generalis</i>	Conidae	A
1196b	\$1.75	a Harp Shell, <i>Harpa articularis</i>	Harpidae	A
1196c	\$1.75	a Conch Shell, <i>Dolomena minima (Strombus minimus)</i>	Strombidae	A
1196d	\$1.75	Humped Conch, <i>Strombus gibberulus</i>	Strombidae	A
1197a	SS \$3.50	Ramose Murex, <i>Chicoreus ramosus</i>	Muricidae	A
1197b	SS \$3.50	Troscheli's Murex, <i>Murex troscheli</i>	Muricidae	A
1198a	SS \$3.50	Triton's Trumpet, <i>Chicoreus tritonis</i>	Muricidae	A
1198b	SS \$3.50	False Trumpet, <i>Syrinx aruanus</i>	Turbinellidae	A
		2014 August 27 (Marine Life) (Set of 8)		
1239	\$1	Palau Nautilus, <i>Nautilus belauensis</i>	Nautilidae	A
PERU		2014 September 5 (Peruvian Institute of the Sea)		
1847	3.80s	Squid and fish		C
PHILIPPINES		2014 May 11 (Teresita "Mama Sita" Reyes, Restaurateur) (Block of 4)		
3528d	10p	Mama Sita with fresh Seafood, bottled mixes, and sauces		B
		2014 December 13 (Shell Oil in the Philippines) (Block of 4)		
3562a & b	25p	Shell logo with Tabangao Railway in 1960s & in 2014		S C
3562c & d	25p	Shell logo with retail station in 1930s & in 2014		S C

RUSSIA		2014 May 21 (Clock Towers and Clocks) (Se-tenant pair)		
7531b	20r	Crab as part of Zodiac on Kazansky Tower, Moscow		S
ST. HELENA		2014 October 15 (Christmas) (Set of 6)		
1088	30p	U/I Sea Slug		U A
1092	£1	Orange Cup Coral, <i>Tubastraea coccinea</i>	Dendrophylliidae	A
ST. MARTIN		2015 February 11 (Shells) (MS of 6)		
63a	90c	a Snail, <i>Buccinum politum</i>	Buccinidae	A
63b	110c	Common Atlantic Bubble, <i>Bulla striata</i>	Bullidae	A
63c	270c	Reticulated Cowry Helmet, <i>Cypraecassis testiculus</i>	Cassidae	A
63d	330c	a True Whelk, <i>Neptunea contraria</i>	Buccinidae	A
63e	500c	Common Pacific Phos, <i>Phos senticosus</i>	Buccinidae	A
63f	600c	Triangular Nutmeg, <i>Trigonostoma pellucida</i>	Cancellariidae	A
ST. VINCENT		2014 October 20 (Pope Benedict XVI) (MS of 4 & SS of 1)		
3960	Margin	Scallops in Papal Coat of Arms		S Z
3961	Margin	Scallops in Papal Coat of Arms		S Z
SAMOA		2014 August 29 (Small Island Developing States) (Block 18 & MS of 6)		
1182e	50s	Coral Reef		G
1184f	\$3.90	Coral Reef		G
		2014 July 23 (Official Stamps) (Set of 12)		
O21	\$7	Bear Paw Clam, <i>Hippopus hippopus</i> (Sc#1175 ovpt)	Tridacnidae	A
SINGAPORE		2014 July 18 (Islands of Singapore) (Set of 4)		
1686	65c	U/I Crab (on beach)		U B
		U/I Starfish (on beach)		U B
SLOVAKIA		2013 June 7 (Zodiac Symbols)		
665	(45c)	Symbol for Cancer the Crab		S
SLOVENIA		2014 November 28 (Personalized Stamps) (Horiz & Vert strips of 4)		
1078	A (34c)	Blue Nautilus Shell (UL & LR)		C
1079	B (40c)	Blue Nautilus Shell (UL & LR)		C
1080	C (60c)	Blue Nautilus Shell (UL & LR)		C
1081	D (64c)	Blue Nautilus Shell (UL & LR)		C
1081a		Horiz strip of 4 (Sc#1078–81)		
1082	A (34c)	Blue Nautilus Shell (UL & LR)		C
1083	B (40c)	Blue Nautilus Shell (UL & LR)		C
1084	C (60c)	Blue Nautilus Shell (UL & LR)		C
1085	D (64c)	Blue Nautilus Shell (UL & LR)		C
1085a		Vert strip of 4 (Sc#1082–85)		
SRI LANKA		2014 August 22 (Pigeon Island Marine Park) (Set of 6 & SS of 6)		
1941	35r	Scaly Rock Crab, <i>Grapsus albolineatus</i>	Grapsidae	A
1942	50r	Knotted Fan Coral, <i>Melithaea ochracea</i>	Melithaeidae	A
1942a		SS of 6 (Sc#1937–42)		
TONGA		2014 May 20 (Small Island Developing States) (Block of 18 & MS of 6)		
1253k	45s	Black Sun Coral, <i>Tubastraea micranthus</i>	Dendrophylliidae	A
1256a	2.60pa	Black Sun Coral, <i>Tubastraea micranthus</i>	Dendrophylliidae	A
TURKISH REP. N. CYPRUS		2014 July 4 (International Year of the Ocean)		
767	40k	Stylized Starfish and Coral (Sc#461 surch)		S

TURKS & CAICOS ISLANDS		2014 November 3 (Seashells) (MS of 4 & SS of 1)		
1525a	\$1.20	Junonia, <i>Scaphella junonia</i>	Volutidae	A
1525b	\$1.20	Channeled Duck Clam, <i>Raeta plicatella</i>	Mactridae	A
1525c	\$1.20	Zigzag Scallop, <i>Euvola ziczac</i>	Pectinidae	A
1525d	\$1.20	Scotch Bonnet, <i>Semicassis granulata</i>	Cassidae	A
1527	SS \$4	Queen Conch, <i>Strombus gigas</i>	Strombidae	A
TUVALU		2014 May 8 (Giant Pacific Octopus) (Block of 4 & SS of 1)		
1279a	50c	Giant Pacific Octopus, <i>Enteroctopus dofleini</i>	Octopodidae	A
1279b	50c	Giant Pacific Octopus, <i>Enteroctopus dofleini</i>	Octopodidae	A
1279c	50c	Giant Pacific Octopus, <i>Enteroctopus dofleini</i>	Octopodidae	A
1279d	50c	Giant Pacific Octopus, <i>Enteroctopus dofleini</i>	Octopodidae	A
1280	SS \$4.50	Giant Pacific Octopus, <i>Enteroctopus dofleini</i>	Octopodidae	A
		2015 February 2 (Coral Reefs) (MS of 4 & SS of 1)		
1321a	\$1.40	Bubble Coral, <i>Plerogyra sinuosa</i>	Caryophyllidae	A
1321b	\$1.40	Frogspawn Coral, <i>Euphyllia divisa</i>	Caryophyllidae	A
1321c	\$1.40	Mushroom Coral, <i>Fungia scutaria</i>	Caryophyllidae	A
1321d	\$1.40	Brian Coral, <i>Favia fava</i>	Mussidae	A
1322	SS \$4.50	Giant Clam, <i>Tridacna gigas</i>	Cardiidae	A
UNITED NATIONS (New York)		2014 October 23 (Endangered Species) (Block of 4)		
1097	\$1.15	Denise's Pygmy Seahorse, <i>Hippocampus denise</i>	Syngnathidae	A
		Gorgonian, <i>Muricella</i> sp.	Acanthogorgiidae	U B
UNITED NATIONS (Vienna)		2015 February 6 (Flags and Coins) (MS of 8)		
558a	80c	Flag of Tuvalu and Crab on 10c coin		S
		2015 March 20 (World Poetry Day) (MS of 6)		
560b	80c	Purple Jellyfish in background		U B
560d	80c	Purple Jellyfish tentacles in background		U B
560e	80c	Red Jellyfish tentacles in background		U B
560f	80c	Red and Purple Jellyfish tentacles in background		U B
WALLIS AND FUTUNA		2014 September 5 (Tapa Cloth)		
751d	85fr	Tapa Cloth depicting canoe, Shells, trees, and house in octagons		S



ENTOMOLOGY

Editor

Donald P. Wright, Jr., BU243
and José Reis



New Listings

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
ARUBA 2015 July 30 (Butterflies) (Block of 10)				
a	220c	Pale Clouded Yellow, <i>Colias hyale</i> L.	PIE, Coliadinae	A*
b	220c	Marbled Skipper, <i>Carcharodus lavatherae</i> Esper	HES, Pyrginae	A*
c	220c	Orange Tip, <i>Anthocharis cardamines</i> L.	PIE, Pierinae	A*
d	220c	Tufted Skipper, <i>Carcharodus flocciferus</i> Zeller	HES, Pyrginae	A*
e	220c	Clouded Yellow, <i>Colias palaeno</i> L.	PIE, Coliadinae	A*
f	220c	Eastern Dappled White, <i>Euchloe ausonia</i> Hübner	PIE, Pierinae	A*
g	220c	The Cleopatra, <i>Gonepteryx cleopatra</i> L.	PIE, Coliadinae	A*
h	220c	Large Checkered Skipper, <i>Heteropterus morpheus</i> Pallas	HES, Heteropterinae	A*
i	220c	Large Skipper, <i>Ochlodes venata</i> Bremer & Grey	HES, Hesperinae	A*
j	220c	Grizzled Skipper, <i>Pyrgus malvae</i> L. (Cap: <i>P. fritillaries</i>)	HES, Pyrginae	A*
BOLIVIA 2015 May 16 (Endangered Animals) (Set of 4)				
	9b	Satanas Beetle, <i>Dynastes satanas</i> Moser ♂	SCA, Dynastinae	A*
BRAZIL 2015 May 22 (Stingless Bees) (MS of 6)				
a	2.50r	<i>Melipona quinquefasciata</i> Lepeletier	API, Apinae	A*
b	2.50r	<i>Melipona rufiventris</i> Lepeletier	API, Apinae	A*
c	2.50r	<i>Melipona subnitida</i> Ducke	API, Apinae	A*
d	2.50r	<i>Nannotrigona testaceicornis</i> Lepeletier	API, Apinae	A*
e	2.50r	<i>Paratrigona lineata</i> Lepeletier	API, Apinae	A*
f	2.50r	<i>Plebeia flavocincta</i> Cockerell	API, Apinae	A*
DJIBOUTI 2013 (Stamperija) (New data) (MS of 2)				
	2×350fr	<i>Telipna erica</i> Suffert (UL margin)	LYC, Poritiinae	Z
DOMINICAN REPUBLIC 2014 November 20 (Additional data) (MS of 12)				
1565a	25p	Florida Leafwing, <i>Anaea troglodyta</i> Fabr.	NYM, Charaxinae	A*
1565b	25p	Godart's Peacock, <i>Anartia lytrea</i> Godart	NYM, Nymphalinae	A*
1565c	25p	Stillman's Skipper, <i>Burca stillmani</i> Bell & Comstock	HES, Pyrginae	A*
2015 May 25 (National Parks) (MS of 12)				
g	20p	Malachite, <i>Siproeta stelenes</i> L.	NYM, Nymphalinae	A*
ECUADOR 2015 May 28 (Membracids of Ecuador) (Bklt pane 8 & Strip of 5)				
a	25c	<i>Antianthe expansa</i> Germar	MEM, Smiliinae	A*
b	25c	<i>Heteronotus abbreviatus</i> Fairmaire	MEM, Heteronotinae	A*
c	50c	Ant-Mimicking Treehopper, <i>Cyphonia clavata</i> Fabr.	MEM, Smiliinae	A*
d	50c	Guayaquilan Treehopper, <i>Guayaquila gracilicornis</i> Stål	MEM, Membracinae	A*
e	75c	<i>Stegaspis fronditia</i> L.	MEM, Stegaspinae	A*
f	75c	<i>Thuris depressus</i> Sakakibara	MEM, Smiliinae	A*
g	\$1	<i>Tritopidia galeata</i> Olivier	MEM, Membracinae	A*
h	\$1	Mexican Treehopper, <i>Membracis mexicana</i> Guérin-Ménéville	MEM, Membracinae	A*

ECUADOR (continued)

a	\$3	<i>Alchisme grossa</i> Fairmaire	MEM, Membracinae	A*
b	\$3	<i>Membracis foliata</i> L.	MEM, Membracinae	A*
c	\$3	<i>Cladnota apicalis</i>	MEM, Membracinae	A*
d	\$3	<i>Cyphonia trifida</i> Fabr.	MEM, Smiliinae	A*
e	\$3	<i>Adippe histrio</i> Walker	MEM, Smiliinae	A*

FINLAND **2015 May 9** (Summer Feelings) (MS of 5)

a	(€1.10)	LADYBUG riding on a strawberry ANT carrying a strawberry	Coccinellidae Formicidae	S S
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GEORGIA **2013** (New data)

a	2g	<i>Pierella nereis</i> Drury	NYM, Satyrinae	A
b	2g	UL: Blue Morpho, <i>Morpho rhetenor</i> Cramer UR: Like a, but green! MR: Australian Fritillary, <i>Argyreus hyperbius</i> L. ♀	NYM, Morphinae NYM, Satyrinae NYM, Heliconiinae	B S B
c	2g	Broad Blue-banded S'tail, <i>Papilio chrapkowskoides</i> Storace	PAP, Papilioninae	A
d	2g	Like a, but purple!	NYM, Satyrinae	S

GREAT BRITAIN **2015 August 18** (Bees) (Set of 6 & SS of 4)

	(54p)	Scabious Bee, <i>Andrena hattorfiana</i> Fabr.	AND, Andreninae	A*
	(63p)	Great Yellow Bumblebee, <i>Bombus distinguendus</i> Morawitz	API, Apinae	A*
	£1	Northern Colletes Bee, <i>Colletes floralis</i> Eversmann	Colletidae, Colletinae	A*
	£1.33	Bilberry or Mountain Bumblebee, <i>Bombus monticola</i> Smith	API, Apinae	A*
	£1.52	Large or Cliff Mason Bee, <i>Osmia xanthomelana</i> Kirby	MEGA, Megachilinae	A*
	£2.25	Potter Flower Bee, <i>Anthophora retusa</i> L. Bklt pane 6 (2ea Great Yellow Bumblebee + 4ea Machin)	API, Apinae	A*
a	(63p)	Western Honeybee, <i>Apis mellifera</i> L. (doing waggle dance)	API, Apinae	G
b	(63p)	Same (pollination)		G
c	£1.33	Same (making honey)		G
d	£1.33	Same (tending young)		G

INDIA **2015 January 30** (Campaign to Clean India) (SS of 3)

2718a	Margin	LL: Stylized Butterfly in child's drawing		S
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KENYA **2011 November 16** (New data) (MS of 25)

854b	65sh	Spotted Cockroach, <i>Cartoblatta pulcra</i> Shelford (nymphs)	BLA, Blattinae	A*
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NEW CALEDONIA **2014 November 6** (Single issue)

1186	180fr	Caledonian Blue Swallowtail, <i>Papilio montrouzieri</i> Boisduval	PAP, Papilioninae	A*
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PERU **2015** (Peruvian Amazon)

	8s	Margin: Four silhouettes of Swallowtail butterflies	PAP, Papilioninae	S
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PORTUGAL (Madeira) **2014 January 27** (Types of 2009–13) (Set of 5)

320	E (70c)	Western Honeybee, <i>Apis mellifera</i> L. (like Sc#311, s/a)	API, Apinae	A*
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ST. KITTS **2014 August 18** (Human Rights Sensitization Project) (Set of 4)

[Note: Scott Catalogue lists this denomination as \$50.]

879	50c	Stylized Butterfly (child's drawing by Shernel Evans)	Lepidoptera	S
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SWEDEN **201 March 26** (Honeybees) (Coil pair, Vert strip of 5, & Bklt of 10)

2744a	(6.50k)	Western Honeybee, <i>Apis mellifera</i> L. (field of flowers)	API, Apinae	B
2744b	(6.50k)	Same (hives in orchard)	API, Apinae	B
2745a–e	(7k)	Same (bees gathering nectar/pollen)	API, Apinae	B

THAILAND**2014 November 14** (New Year: Flowers) (Set of 5)

3b Stylized butterflies with girl dressed as flower (UL & MR) Lepidoptera S

TURKEY**2015 July 9** (Park & Conservation Areas) (SS of 1)

There are other partial images in the margin that may be insects

1.25L	Silver-washed Fritillary, <i>Argynnis paphia</i> L.	NYM, Heliconiinae	B*
	Small Tortoiseshell, <i>Nymphalis urticae</i> L. (LL & margin)	NYM, Nymphalinae	B*
Margin	UL: Alpine Longhorn Beetle, <i>Rosalia alpina</i> L.	CER, Cerambycinae	Z
	Bot: Clown-faced Bug, <i>Pyrrhocoris apterus</i> L.	Pyrrhocoridae	Z
	LR: Beautiful Demoiselle, <i>Calopteryx virgo</i> L.	CAL, Calopteryginae	Z

TURKISH REP. N. CYPRUS**2014 July 4** (Sc#452 surch)

786	30k L: Banded Demoiselle, <i>Calopteryx splendens</i> Harris	CAL, Calopteryginae	B
	R: 7-spotted Lady Bird, <i>Coccinella septempunctata</i> L.	COC, Coccinellinae	B

UNITED STATES**2015 June 1**4999 (71c) Eastern Tiger Swallowtail, *Papilio glaucus* L. ♀ PAP, Papilioninae A***2015 July 31**UX (35c) Stylized Western Honeybee, *Apis mellifera* L. API, Apinae

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Beyond the Catalog

The following listings are for issues from Stamperija, Ltd. and others, who are allowed by the countries listed to print and sell stamps directly to the public. Most of these items never reach the postal authorities of the countries concerned and will not be listed in most catalogs, although some catalogs do list them occasionally. I list them for those who may be interested in them, or for those who want to know if the philatelic community accepts them as valid postage stamps.

CENTRAL AFRICAN REPUBLIC 2015 June 25 (Stamperija) (2ea MS of 4 & 2ea SS of 1)

a	750fr	Chinese Lanternfly, <i>Pyrops candelaria</i> L.	FUL, Fulgorinae	A*
b	750fr	Forest Bug, <i>Pentatoma rufipes</i> L.	PEN, Pentatominae	A*
c	750fr	European Hornet, <i>Vespa crabro</i> L.	VES, Vespinae	A*
d	750fr	Aak Grasshopper, <i>Poekilocerus pictus</i> Fabr.	PYRG, Pyrgomorphinae	A*
	SS 2650fr	African Eyed Mantid, <i>Pseudocreobotra wahlbergi</i> Stål	HYM, Hymenopodinae	A*
	Margin	UL: Velvet Longhorn Beetle, <i>Trichoferus campestris</i> Faldermann	CER, Cerambycinae	Z*
		UL: Common Darter, <i>Sympetrum striolatum</i> Charpentier	LIB, Sympetrinae	Z
		ML: 7-Spotted Ladybird, <i>Coccinella septempunctata</i> L.	COC, Coccinellinae	Z
		LL: Aak Grasshopper, <i>Poekilocerus pictus</i> Fabr.	PYRG, Pyrgomorphinae	Z
		Ctr: Centaurus Beetle, <i>Augosoma centaurus</i> Fabr.	SCA, Dynastinae	Z
		Bot: Musk Beetle, <i>Aromia moschata</i> L.	CER, Cerambycinae	Z
a	900fr	Banded Orange Heliconiian, <i>Dryadula phaetusa</i> L.	NYM, Heliconiinae	A*
b	900fr	Small Blue Grecian, <i>Heliconius sara</i> Fabr.	NYM, Heliconiinae	A*
c	900fr	Malachite, <i>Siproeta stelenes</i> L.	NYM, Nymphalinae	A*
d	900fr	Malabar Tree Nymph, <i>Idea malabarica</i> Moore	NYM, Danainae	A*
	SS 3000fr	L: Malachite, <i>Siproeta stelenes</i> L.	NYM, Nymphalinae	A*
		R: Red Rim, <i>Cethosia biblis</i> Drury	NYM, Heliconiinae	A*
	Margin	Tailed Jay or Green-Spotted Triangle, <i>Graphium agamemnon</i> L.	PAP, Papilioninae	Z*

GUINEA**2015 March 20** (Fight Against Malaria) (Stamperija) (SS of 1)

SS 40000fr	<i>Anopheles gambiae</i> Giles & Dr. Ronald Ross	CUL, Anophelinae	B*
Margin	LR: Sampling water for <i>Anopheles gambiae</i> larvae	CUL, Anophelinae	R

GUINEA-BISSAU**2015 May 26** (Butterflies) (Stamperija) (2ea MS of 4 & SS of 1)

a	900fr	Victoria's Birdwing, <i>Troides victoriae</i> Gray	PAP, Papilioninae	A
b	900fr	Old World Swallowtail, <i>Papilio machaon</i> L.	PAP, Papilioninae	A
c	900fr	Marsh Fritillary, <i>Euphydryas aurinia</i> Rottemburg	NYM, Nymphalinae	A
d	900fr	Monarch, <i>Danaus plexippus</i> L. ♀	NYM, Danainae	A
a	900fr	Helena Morpho, <i>Morpho rhetenor helena</i> Staudinger	NYM, Morphinae	A*
b	900fr	Red Admiral, <i>Vanessa atalanta</i> L.	NYM, Nymphalinae	A*
c	900fr	Old World Swallowtail, <i>Papilio machaon</i> L. ♀	PAP, Papilioninae	A*
d	900fr	Bhutan Glory, <i>Bhutanitis lidderdalii</i> Atkinson	PAP, Parnassiinae	A*
SS 2200fr		Peacock, <i>Nymphalis io</i> L.	NYM, Nymphalinae	A*
Margin		ML: Common Morpho, <i>Morpho helenor peleides</i> Kollar	NYM, Morphinae	Z*
		LL: Eastern Tiger Swallowtail, <i>Papilio glaucus</i> L. ♀	PAP, Papilioninae	Z*
		UR: Christmas Butterfly, <i>Papilio demodocus</i> Esper (chrysalis)	PAP, Papilioninae	Z*
		LR: Arctic Fritillary, <i>Clossiana chariclea</i> Schneider	NYM, Heliconiinae	Z*

MADAGASCAR**2015** (Bees) (Stamperija) (MS of 4 & SS of 1)

a	2100m	Blue-Banded Bee, <i>Amegilla cingulata</i> Fabr.	API, Apinae	A*
b	2100m	<i>Anthophora affabilis</i> Cresson	API, Apinae	A*
c	2100m	Maine Blueberry Bee, <i>Osmia atriventris</i> Cresson	MEGA, Megachilinae	A*
d	2100m	<i>Ceratina smaragdula</i> Fabr.	API, Xylocopinae	A*
Margin		UL & UR: 3 very Stylized BEES		S Z
		LR: U/I BEE	Apidae	U Z
SS 7500m		Violet Carpenter Bee, <i>Xylocopa violacea</i> L.	API, Xylocopinae	A*
Margin		6 very Stylized BEES & stylized honeycomb		S Z
		Ctr: U/I BEE	Apidae	U Z

2015 (Dragonflies & Damselfly) (Stamperija) (MS of 4 & SS of 1)

a	2100m	Banded Demoiselle, <i>Calopteryx splendens</i> Harris	CAL, Calopteryginae	A*
b	2100m	Orange-Winged Dropwing, <i>Trithemis kirbyi</i> Selys	LIB, Trithemistinae	A*
c	2100m	Okinawan Dragonfly, <i>Rhyothemis variegata</i> L.	LIB, Trameinae	A*
d	2100m	12-Spotted or 10-Spot Dragonfly, <i>Libellula pulchella</i> Drury	LIB, Libellulinae	A*
Margin		UL & UR: Silhouettes of DRAGONFLY	Libellulidae	S Z
SS 7500m		Halloween Pennant Dragonfly, <i>Celithemis eponina</i> Drury	LIB, Leucorrhininae	A*
Margin		UL & UR: Silhouettes of DRAGONFLY	Libellulidae	S Z

MALDIVE ISLANDS**2015 January 28** (Fauna of Indian Subcontinent) (MS of 4 & SS of 1)

a	22r	Crimson Rose, <i>Atrophaneura hector</i> L.	PAP, Papilioninae	A*
b	22r	Southern Birdwing, <i>Troides minos</i> Cramer	PAP, Papilioninae	A*
c	22r	Common Mime, <i>Papilio clytia</i> L.	PAP, Papilioninae	A*
d	22r	Blue Mormon, <i>Papilio polymnestor</i> Cramer	PAP, Papilioninae	A*
Margin		Ctr: Common Mime, <i>Papilio clytia</i> L.	PAP, Papilioninae	Z*
		UL & UR: Very stylized SWALLOWTAILS	PAP, Papilioninae	S Z
SS 70r		Tawny Mime, <i>Papilio agestor</i> Gray	PAP, Papilioninae	A*
Margin		L: Blue Peacock, <i>Papilio arcturus</i> Westwood	PAP, Papilioninae	Z*
		R: Southern Birdwing, <i>Troides minos</i> Cramer	PAP, Papilioninae	Z*
		UL & UR: Very stylized SWALLOWTAILS	PAP, Papilioninae	S Z

2015 May 25 (Stamperija)

a	20r	Peacock, <i>Nymphalis io</i> L.	NYM, Nymphalinae	B*
b	20r	Blue Emperor Swallowtail, <i>Papilio ulysses</i> L.	PAP, Papilioninae	B*
c	20r	Ajax or Zebra Swallowtail, <i>Protographium marcellus</i> Cramer	PAP, Papilioninae	B*
d	20r	Question Mark, <i>Nymphalis interrogationis</i> Fabr.	NYM, Nymphalinae	B*
Margin		Ctr: Apollo, <i>Parnassius apollo</i> L.	PAP, Parnassiinae	Z*

MALDIVE ISLANDS (continued)

SS 60r	Goliath Birdwing, <i>Troides goliath</i> Oberthür	PAP, Papilioninae	B*
Margin	L: Blue Pansy, <i>Junonia orithya</i> L.	NYM, Nymphalinae	Z*
	R: Eastern Tiger Swallowtail, <i>Papilio glaucus</i> L.	PAP, Papilioninae	Z*

MOZAMBIQUE**2015 April 15** (Butterflies) (Stamperija) (MS of 4 & SS of 1)

a	66m	Old World Swallowtail, <i>Papilio machaon</i> L. ♀	PAP, Papilioninae	A*
b	66m	Rajah Brooke's Birdwing, <i>Troides brookiana</i> Wallace	PAP, Papilioninae	A*
c	66m	Apollo, <i>Parnassius apollo</i> L.	PAP, Parnassiinae	A*
d	66m	Bhutan Glory, <i>Bhutanitis lidderdalii</i> Atkinson	PAP, Parnassiinae	A*
SS 175m		Australian Painted Lady, <i>Vanessa kershawi</i> McCoy	NYM, Nymphalinae	A*
Margin		UR & LR: Malachite, <i>Siproeta stelenes</i> L.	NYM, Nymphalinae	Z*

2015 April 15 (Orchids) (Stamperija) (SS of 1)

Margin	LL: Cabbage White, <i>Pieris rapae</i> L.	PIE, Pierinae	Z
	UR: U/I BUTTERFLY	Lepidoptera	U Z

NAMIBIA**2015 May 15** (Bee-Eater Birds) (Stamperija) (Set of 5)

n/d	BEE in bird's beak	API, Apinae	C
\$5.70	Bird chasing BEE	API, Apinae	C

NIGER**2015 April 20** (Mushrooms & Insects) (Stamperija) (MS 4) (New data)

a	825fr	<i>Anthidium florentinum</i> Fabr.	MEGA, Megachilinae	B*
b	825fr	Red-Spot Jezebel, <i>Delias descombesi</i> Boisduval	PIE, Pierinae	B*
c	825fr	European Stag Beetle, <i>Lucanus cervus</i> L.	LUC, Lucaninae	B*
d	825fr	Butterfly Dragonfly, <i>Rhyothemis fuliginosa</i> Selys	LIB, Trameinae	B*

2015 April 20 (Bees) (Stamperija) (MS of 4) (New data)

a	825fr	<i>Apis breviligula</i> Maa (ssp. of <i>A. dorsata</i> of some)	API, Apinae	A*
b	825fr	Western Honeybee, <i>Apis mellifera</i> L.	API, Apinae	A*
c	825fr	<i>Apis breviligula</i> Maa (ssp. of <i>A. dorsata</i> of some)	API, Apinae	A*
d	825fr	<i>Anthidium florentinum</i> Fabr.	EGA, Megachilinae	A*

2015 April 20 (Hummingbirds) (Stamperija) (MS of 4) (New data)

Margin	Bot: Red Pierrot, <i>Talicauda nyseus</i> Guérin-Ménéville	LYC, Polyommatae	Z*
	LR: Cabbage White, <i>Pieris rapae</i> L.	PIE, Pierinae	Z*

2015 July 20 (Butterflies of Singapore) (Stamperija) (MS 3 & SS of 1)

a	700fr	Giant Orange Tip, <i>Hebomoia glaucippe</i> L.	PIE, Pierinae	A*
b	700fr	Five-Bar Swordtail, <i>Graphium antiphates</i> Cramer	PAP, Papilioninae	A*
c	700fr	Blue Pansy, <i>Junonia orithya wallacei</i> Distant	NYM, Nymphalinae	A*
		MS in shape of: Autumn Leaf, <i>Doleschallia bisaltide</i> Cramer	NYM, Nymphalinae	Z*
SS 2000fr		Blue Nawab, <i>Polyura schreiber tisamenus</i> Fruhstorfer	NYM, Charaxinae	A*
		SS in shape of: Blue Pansy, <i>Junonia orithya wallacei</i> Distant	NYM, Nymphalinae	Z*

2015 July 20 (Fight Against Malaria) (Stamperija) (MS of 3 & SS of 1)

c	1100fr	<i>Anopheles gambiae</i> Giles	CUL, Anophelinae	C
Margin		UR: <i>Anopheles gambiae</i> Giles	CUL, Anophelinae	Z
SS 3000fr		Same (with bed net keeping mosquito from biting sleeping people)		C
Margin		R: Same (swarm of mosquitoes)		Z

ST. THOMAS & PRINCE ISLANDS **2015 May 21** (Butterflies) (Stamperija) (MS of 4 & SS of 1)

a	19000d	Mexican Bluewing, <i>Myscelia ethusa</i> Boisduval	NYM, Biblidinae	A*
b	19000d	Mimic, <i>Hypolimnas misippus</i> L. ♂	NYM, Nymphalinae	A*
c	19000d	Peacock Pansy, <i>Junonia almana</i> L.	NYM, Nymphalinae	A*
d	19000d	Tailed Jay, <i>Graphium agamemnon</i> L.	PAP, Papilioninae	A*
Margin		LL: Atlas Moth, <i>Attacus atlas</i> L.	SAT, Saturniinae	Z*

ST. THOMAS & PRINCE ISLANDS (continued)

	SS 86000d	Ricini Longwing, <i>Heliconius ricini</i> L.	NYM, Heliconiinae	A*
	Margin	LL: Gold-Banded Forester, <i>Euphaedra neophron</i> Hopffer	NYM, Limenitidinae	Z*
		UR: Mimic, <i>Hypolimnas misippus</i> L. ♀	NYM, Nymphalinae	Z*
		LR: Orange Migrant, <i>Catopsilia scylla</i> L.	PIE, Coliadinae	Z*
2015 May 21 (Carnivorous Plants & Victims) (MS of 4 & SS of 1)				
a	19000d	Monarch, <i>Danaus plexippus</i> L. ♂	NYM, Danainae	B*
b	19000d	Great Blue Skimmer, <i>Libellula vibrans</i> Fabr.	LIB, Libellulinae	B*
d	19000d	Golden-Backed Snipe Fly, <i>Chrysopilus thoracicus</i> Fabr.	Rhagionidae, Rhagioninae	B*
	Margin	LR: 3 ANTS	Formicidae	U Z
	SS 86000d	Leprieur's Glory, <i>Asterope leprieuri</i> Feisthamel	NYM, Biblidinae	B*
	Margin	UL: Queensland Fruitfly, <i>Bactrocera tryoni</i> Froggatt	TEP, Dacinae	Z*
		Bot: Conjoined-Spot Monkey-Grasshopper, <i>Erianthus serratus</i> Ingrisch & Willemse ♂	Chorotypidae, Erianthinae	Z*
		UR: Jurgensen's Swordtail, <i>Ancyluris jurgensenii atahualpa</i> Saunders ♂	RIO, Riodininae	Z*

SIERRA LEONE

2015 May 22 (Butterflies) (Stamperija) (MS of 6 & 2ea SS of 1)				
a	4300le	Forest Glade Nymph, <i>Aterica galene</i> Brown ♂	NYM, Limenitidinae	A*
b	4300le	Dancing Acraea, <i>Acraea serena</i> Fabr.	NYM, Heliconiinae	A*
c	4300le	Small Orange Acraea, <i>Acraea eponina</i> Cramer	NYM, Heliconiinae	A*
d	4300le	Mafa Grizzled Skipper, <i>Spialia mafa</i> Trimen	HES, Pyrginae	A*
e	4300le	Orange Admiral, <i>Antanartia delias</i> Drury	NYM, Charaxinae	A*
f	4300le	Giant Blue Swallowtail, <i>Papilio zalmoxis</i> Hewitson	PAP, Papilioninae	A*
	Margin	UL: Blue Diadem, <i>Hypolimnas salmacis</i> Drury	NYM, Nymphalinae	Z*
		LL: Old World Swallowtail, <i>Papilio machaon</i> L.	PAP, Papilioninae	Z*
		Top: Dancing Acraea, <i>Acraea serena</i> Fabr.	NYM, Heliconiinae	Z*
	SS 10000le	Old World Swallowtail, <i>Papilio machaon</i> L. ♀	PAP, Papilioninae	A*
	Margin	UR: Blue Diadem, <i>Hypolimnas salmacis</i> Drury	NYM, Nymphalinae	Z*
		MR: Forest Glade Nymph, <i>Aterica galene</i> Brown ♂	NYM, Limenitidinae	Z*
		Ctr: Dancing Acraea, <i>Acraea serena</i> Fabr.	NYM, Heliconiinae	Z*
	SS 14000le	Blue Diadem, <i>Hypolimnas salmacis</i> Drury	NYM, Nymphalinae	A*
	Margin	UR: Blue Diadem, <i>Hypolimnas salmacis</i> Drury	NYM, Nymphalinae	Z*
		MR: Forest Glade Nymph, <i>Aterica galene</i> Brown ♂	NYM, Limenitidinae	Z*
		Ctr: Dancing Acraea, <i>Acraea serena</i> Fabr.	NYM, Heliconiinae	Z*

Variouly two or three of the above appear in the margins of MS of 6 and SS of 1 of chimpanzees, cuckoos, dinosaurs, dolphins, elephants, leopards, western gorillas, pythons, and turtles, all issued on the above date.

SOLOMON ISLANDS

2015 May 24 (Singapore 2015 Stamp Exhibition) (Stamperija) (MS of 4)				
d	\$5	Blue Spotted Crow, <i>Euploea midamus singapura</i> Moore	NYM, Danainae	B*

TOGO

2015 April 22 (Boy Scouts) (Stamperija) (SS of 1)				
	SS 2500fr	Orange Tip, <i>Anthocharis cardamines</i> L. (with Boy Scout)	PIE, Pierinae	B*

2015 April 22 (Taipei 2015, Butterflies of Taiwan) (MS of 3 & SS of 1)				
a	750fr	<i>Atrophaneura polyeuctes termessus</i> Fruhstorfer ♀	PAP, Papilioninae	A*
b	750fr	Lime Butterfly, <i>Papilio demoleus</i> L.	PAP, Papilioninae	A*
c	750fr	Redbase Jezebel, <i>Delias pasithoe</i> L.	PIE, Pierinae	A*
		MS in shape of: <i>Penthema formosanum</i> Rothschild	NYM, Satyrinae	Z*
	SS 2000fr	Golden Birdwing, <i>Troides aeacus</i> C.& R. Felder	PAP, Papilioninae	A*
		SS in shape of: Orange Oakleaf, <i>Kallima inachus</i> Boisduval	NYM, Nymphalinae	Z*

TOGO (continued)**2015 June 1** (Butterflies) Stamperija) (MS of 4 & SS of 1)

a	750fr	Tiger Longwing, <i>Heliconius hecale</i> Fabr.	NYM, Heliconiinae	A*
b	750fr	Banded Peacock, <i>Papilio palinurus</i> Fabr.	PAP, Papilioninae	A*
c	750fr	Small Tortoiseshell, <i>Nymphalis urticae</i> L.	NYM, Nymphalinae	A*
d	750fr	Black or Mamba Swordtail, <i>Graphium colonna</i> Ward	PAP, Papilioninae	A*
	Margin	R: Red-Spotted Purple, <i>Limenitis arthemis astyanax</i> Fabr.	NYM, Limenitidinae	Z*
	SS 2500fr	Eastern Tiger Swallowtail, <i>Papilio glaucus</i> L.	PAP, Papilioninae	A*
	Margin	LL: Karner Blue, <i>Plebejus melissa samuelis</i> Nabokov	LYC, Polyommatainae	Z*
		R: Peacock, <i>Nymphalis io</i> L.	NYM, Nymphalinae	Z*

2015 June 15 (Fight Against Malaria) (Stamperija) (MS of 4 & SS of 1)

a	1000fr	<i>Anopheles gambiae</i> Giles (spraying)	CUL, Anophelinae	B
c	1000fr	<i>Anopheles gambiae</i> Giles (medical exam)	CUL, Anophelinae	B
	SS 3200fr	<i>Anopheles gambiae</i> Giles (medical testing)	CUL, Anophelinae	B

2015 June 15 (Bees) (Stamperija) (MS of 4 & SS of 1)

a	1000fr	Sweat Bee, <i>Halictus ligatus</i> Say	HAL, Halictinae	B*
b	1000fr	Carpenter Bee, <i>Xylocopa mordax</i> L.	API, Xylocopinae	B*
c	1000fr	Metallic Green Bee, <i>Augochloropsis metallica</i> Fabr.	HAL, Halictinae	B*
d	1000fr	<i>Anthophora affabilis</i> Cresson	API, Apinae	B*
	Margin	Bot: Western Honeybee, <i>Apis mellifera</i> L.	API, Apinae	Z*
	SS 3200fr	Western Honeybee, <i>Apis mellifera</i> L. (with honeycomb)	API, Apinae	B*
	Margin	L & UL: Same bee	API, Apinae	Z*

Nomenclature Changes

Recently A.D. Warren, et al. (2008) proposed major revisions of the subfamilies of Hesperidae, based on DNA analysis. These changes are now included in *funet.fi*, our standard reference for names. In terms of insects found on stamps, the only revisions are to delete Subfamily Pyrrhopyginae and move the genera *Elbella*, *Jemadia*, *Ochropyge*, and *Yanguna* into Subfamily Pyrginae.

The order of extinct dragonflies, formerly Order Protodonata, is now regarded as Order Meganisoptera, which includes Family Meganeuridae, Genus *Meganeura*.

INSECT DEFENSE

A recent study performed at Wake Forest University revealed that a species of moth in the Arctiidae family has developed the ability to disrupt the echolocation of the bats that hunt them. This is the first animal known to defend itself by jamming the sonar of its predator.

The Grote's Bertholdia Moth (*Bertholdia trigona*) creates this sonar jamming by producing an ultrasonic clicking at 4,500 cycles per second. This blurs the acoustic image that the bat has.

The moth has organs on its body called "tymbals." They work like pushing in and releasing the side of a can to make it pop.

Unfortunately, no country has yet issued a stamp that depicts *B. trigona*.



South Africa, 2001, Sc#1258e



PALEONTOLOGY

Editor

Michael Kogan, BU1863

New Listings



Scott#	Denom	Common Name/Scientific Name	Family	Code
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CANADA

2015 July 3 (UNESCO World Heritage Sites in Canada)

This stamp is part of a SS of 5, and s/a bklt of 6. [Ed. note: Canada Post recalled these stamps when it was discovered that the one depicting the Dinosaur Provincial Park was actually an image of a formation 60 miles away from the park. Some of these booklets and souvenir sheets were sold to the public and First Day Covers with them also exist.]

	\$1.20	Dinosaur Provincial Park (fossil discovery site) (design error)		R
	\$7.20	Bklt of 6 s/a		
	SS \$8.60	SS of 5		

ITALY

2015 July 25 (Italian Heritage: Dolomites)

Some fossils found in the mountains can be seen in the local Museum Gherdëina

	95c	Dolomiti (fossil discovery site)		R
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GUINEA

2015 June 22 (Dinosaurs) (MS of 4 & SS of 1) [1]

a	10000fr	<i>Aquilops americanus</i>	Order: †Ornithischia	A
b	10000fr	<i>Microraptor zhaoianus</i>	†Dromaeosauridae	A
c	10000fr	<i>Tianyulong confuciusi</i>	†Heterodontosauridae	A
d	10000fr	<i>Torvosaurus gurneyi</i>	†Megalosauridae	A
	Margin	ML: <i>Anzu wyliei</i>	†Caenagnathidae	Z
		UR: <i>Changyuraptor yangi</i>	†Dromaeosauridae	Z
		LR: <i>Caiuajara dobruskii</i>	†Tapejaridae	Z
	SS 35000fr	<i>Rhinorex condrupus</i>	†Hadrosauridae	A
	Margin	MR: <i>Dreadnoughtus schrani</i>	Clade: †Titanosauria	Z
		LL: <i>Eocasea martini</i>	†Caseidae	Z
		UR: <i>Deinocheirus mirificus</i>	†Deinocheiridae	Z
		Bot: <i>Mercuriceratops gemini</i>	†Ceratopsidae	Z

GUINEA-BISSAU

2015 May 26 (Dinosaurs) (MS of 4 & SS of 1) [1]

a	800fr	L: <i>Tyrannosaurus rex</i>	†Tyrannosauridae	B
		R: <i>Hadrosaurus foulkii</i>	†Hadrosauridae	B
b	800fr	L: <i>Hylonomus lyelli</i>	Clade: Romeriida	B
		R: <i>Polacanthus foxii</i>	†Polacanthidae	B
c	800fr	<i>Hylaeosaurus armatus</i>	†Polacanthidae	B
d	800fr	L: <i>Spinosaurus aegyptiacus</i>	†Spinosauridae	B
		LR: <i>Sauropelta edwardsorum</i>	†Nodosauridae	B
		UR: <i>Anurognathus ammoni</i>	†Anurognathidae	B
	SS 2400fr	L: <i>Iguanodon bernissartensis</i>	†Iguanodontidae	B
		R: <i>Tyrannosaurus rex</i>	†Tyrannosauridae	B
	Margin	LR: <i>Centrosaurus apertus</i> (herd)	†Ceratopsidae	Z
		UR: <i>Albertosaurus sarcophagus</i>	†Tyrannosauridae	Z

MALDIVES		2015 May 25 (Dinosaurs & Minerals) (MS of 4 & SS of 1) [1]	
22r	<i>Preondactylus buffarinii</i>	Clade: †Eopterosauria	B
22r	<i>Elasmosaurus platyurus</i>	†Elasmosauridae	B
22r	<i>Stegosaurus armatus</i>	†Stegosauridae	B
22r	<i>Carnotaurus sastrei</i>	†Abelisauridae	B
Margin	Ctr-L: <i>Apatosaurus ajax</i>	†Diplodocidae	Z
	Ctr-R: <i>Brachiosaurus altithorax</i>	†Brachiosauridae	Z
SS 70r	<i>Velociraptor mongoliensis</i>	†Dromaeosauridae	B
Margin	R: <i>Triceratops horridus</i>	†Ceratopsidae	Z
	L: <i>Tyrannosaurus rex</i>	†Tyrannosauridae	Z

MALTA **2015 April 21** (reprint of definitive stamp from 2009)
Distinguished from reprint issued in 2011, where reprinted stamp could be recognized by different Post Logo on the top-left corner of a sheet. This stamp can be recognized by year date in the bottom frame.

1c	Pygmy Elephant, <i>Palaeoloxodon falconeri</i> (skeleton)	Elephantidae	A
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MOZAMBIQUE		2015 April 15 (Dinosaurs: cartoon-like) (MS of 4 & SS of 1) [1]	
a	66m L: <i>Carnotaurus sastrei</i>	†Abelisauridae	B
	R: <i>Brachiosaurus altithorax</i>	†Brachiosauridae	B
b	66m L: <i>Carnotaurus sastrei</i>	†Abelisauridae	B
	R: <i>Stegosaurus unguatus</i>	†Stegosauridae	B
c	66m <i>Masiakasaurus knopfleri</i>	†Noosauridae	A
d	66m <i>Spinosaurus aegyptiacus</i>	†Spinosauridae	A
SS 175m	L: <i>Protoceratops andrewsi</i>	†Protoceratopsidae	B
	R: <i>Velociraptor mongoliensis</i>	†Dromaeosauridae	B
Margin	R: <i>Carnotaurus sastrei</i>	†Abelisauridae	Z
	LL: <i>Antarctopelta oliveroi</i>	†Nodosauridae	Z

NEPAL **2014 December 9** (Natural History Museum of Nepal)
This museum has a big collection of local fossils. Some of its fossils and reconstructions of prehistoric animals were depicted on stamps in 2013, and just recently in July 2015.

1r	Nepal Natural History Museum building		R
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2015 July 7 (Prehistoric Elephants of Nepal) (Set of 6)

Issued in cooperation with Natural History Museum of Nepal.

10r	<i>Deinotherium indicum</i>	†Deinotheriidae	A
10r	<i>Gomphotherium</i> sp.	†Gomphotheriidae	A
10r	<i>Stegodon bombifrons</i>	†Stegodontidae	A
10r	<i>Stegodon ganessa</i>	†Stegodontidae	A
10r	<i>Elephas hysudricus</i>	Elephantidae	A
10r	<i>Elephas namadicus</i>	Elephantidae	A

SIERRA LEONE **2015 May 22** (Fauna of West Africa: Dinosaurs)(MS of 6 & 2SS of 1)[1]
On 5 May 2015, Stamperija, on behalf Sierra Leona, issued 19 stamp sets, consisting from 57 MS and SS of the common topic "Fauna of West Africa," 152 stamps in total. One set is dedicated to Dinosaurs. Some more dinosaurs appear on margins of other sheets dedicated to: Manatees, Crocodiles, Turtles, Gorillas, Owls, and Wild Dogs.

a	4300le <i>Carcharodontosaurus saharicus</i>	†Carcharodontosauridae	A
b	4300le <i>Coelophysis bauri</i>	†Coelophysidae	A
c	4300le <i>Massospondylus carinatus</i>	†Massospondylidae	A
d	4300le <i>Paralititan stromeri</i>	Clade: †Titanosauria	A
e	4300le <i>Baryonyx walkeri</i>	†Spinosauridae	A
f	4300le <i>Nigersaurus taqueti</i>	†Rebbachisauridae	A

SIERRA LEONE (continued)

SS 10000le	<i>Rugops primus</i>	†Abelisauridae	A
Margin	UR: <i>Nigersaurus taqueti</i>	†Rebbachisauridae	Z
SS 14000le	<i>Ouranosaurus nigeriensis</i>	Clade: †Hadrosauriformes	A
Margin	UR: <i>Nigersaurus taqueti</i>	†Rebbachisauridae	Z

TOGO**2015 June 15** (105th anniv Monaco Oceanographic Museum)(MS 4)[1]

a	1500fr	Prince Albert I (founder the Institute for Human Paleontology in Paris)	R
c	1500fr	<i>Ophthalmosaurus</i> (skeleton)	†Ophthalmosauridae A

2015 June 15 (Dinosaurs) (MS of 4 & SS of 1) [1]

a	1000fr	<i>Parasaurolophus walkeri</i>	†Hadrosauridae	A
b	1000fr	<i>Tapejara wellnhoferi</i>	†Tapejaridae	A
c	1000fr	<i>Stegosaurus</i>	†Stegosauridae	A
d	1000fr	<i>Herrerasaurus ischigualastensis</i>	†Herrerasauridae	A
Margin		<i>Triceratops horridus</i>	†Ceratopsidae	Z
SS 3200fr	LR: <i>Quetzalcoatlus northropi</i>	†Azhdarchidae	A	
	L: <i>Giganotosaurus carolinii</i>	†Carcharodontosauridae	Z	
	LR: <i>Diplodocus longus</i>	†Diplodocidae	Z	

Personalized Stamps**SLOVENIA****2015 May 23**

B	fossil decapod of the genus <i>Aege</i>		A
C	fossil fish of the genus <i>Placopleurus</i>	†Peltopleuridae	A

Postmarks**PORTUGAL****2015 June 30**

Similar design to postmarks used on FDC with ATM dinosaurs from May 4, but issued in Lourinhã, the place where fossils of all three dinosaurs are found and are on display in *Museu da Lourinhã*.

Future Issues

2015.09.17 Belgium: s/a booklet with 10 dinosaur stamps

Notes:

[1] Commercial issue: Stamps issued only for sale to collectors, not used for postal purpose. Stamps of countries that issued excessive or too expensive stamps. Not recommended for serious collectors.

If you know about any recent or future Paleontology-related stamps not listed above, please send a short message to our Associate Editor Mr. Michael Kogan (admin@paleophilatelie.eu), or by post to the Editor, Jack R. Congrove (address on inside cover).

Images and detailed description of all stamps mentioned above can be seen on the following website: <http://www.paleophilatelie.eu/year/current.html>.

BIOLOGY REFERENCE WEBSITES

This section contains a listing of web links to on-line references relating to biology topics on stamps and general philatelic information. We are providing this information to assist members in research and not to endorse the sites listed in any way. If readers know of, or use other useful sites, please send the links to your editor and we will include them in future editions. New entries since the last publication are indicated with an asterisk (*).

STAMP ISSUES

Catawiki. Listings and illustrations of stamps for sale by topic for every theme from A to Z.

<http://www.catawiki.com/catalog/stamps/100283-themes-topics>

Cyber Stamps. On-line postage stamp catalogue of worldwide topical issues.

<http://www.cyberstamps.com>

Delcampe. Worldwide listings and illustrations of stamps for sale.

<http://stamps.delcampe.net/page/category/cat,-1,language,E.html>

Neofila. Modern issues from Russia, Eastern Europe, and Baltic States. Also includes some African countries.

<http://www.neofila.com/>

Stamp Collection. On-line postage stamp catalogue of worldwide issues. Includes production information.

<http://colnect.com/en/stamps/countries>

Stamperija. Listings and illustrations of thematic issues from countries located in Africa, Asia, and Oceania produced by Stamperija, Ltd., under contract to several postal administrations. Requires login.

<http://www.stamperija.eu/index.php>

Stamp World. Listings and illustrations of issues from all countries by year. Includes production information. Requires login.

<http://www.stampworld.com/en/maps/Europe/>

Stanley Gibbons. Searchable on-line stamp catalogue from Stanley Gibbons.

<http://www.allworldstamps.com/>

Zillions of Stamps. Worldwide listings and illustrations of stamps for sale.

<http://www.zillionsofstamps.com/>

GENERAL

Collect 4 All. Listings of stamps for sale by country and theme. Includes spectrum of animal stamps.

<http://www.collect4all.com/>

Fauna-Stamps. Listings of stamps for sale (mainly new issues) on all sorts of biological themes including Cats, Dogs, Horses, Birds, Butterflies, Paleontology, Flora, and WWF animal stamps.

<http://www.fauna-stamps.com/>

Tree of Life Web Project. Worldwide collaborative effort to map the genome of every organism on earth and to establish their relationships to one another.

<http://www.tolweb.org/tree>

Zip Code Zoo. Links to taxonomic identification for all areas of biology including both zoology and botany.

<http://zipcodezoo.com/>

BOTANY

Fungal Biodiversity Center. Dutch site under the Royal Netherlands Academy of Science and Arts dealing with the taxonomy and evolution of fungi. Includes searchable taxonomic databases.

<http://www.cbs.knaw.nl/>

Garden Guides. Replacement site for *www.botany.com*. All kinds of information about plants including cultivation. Listings by common name or scientific name. Grouped by plant types.

<http://www.gardenguides.com/>

International Association for Plant Taxonomy. Links for the standard international codes on taxonomy and nomenclature for algae, fungi, and plants.

<http://www.iapt-taxon.org/nomen/main.php>

Lichens of North America. Many photos of lichens and links to related sites.

<http://www.lichen.com/>

ENTOMOLOGY:

Antbase. On-line databases maintained by the American Museum of Natural History and Ohio State University listing all the ant species of the world.

<http://www.antbase.org/index.htm>

Australian National Insect Collection. Listings of Common and Scientific Names, systematic listing, and author abbreviations.

<http://www.ces.csiro.au/aicn/intro.htm>

Cerambycidae. Species listing and illustrations of Cerambycidae of the West Palearctic Region organized by subfamily and tribe.

<http://www.cerambyx.uochb.cz/>

Cercopoidea Organised On Line. Taxonomic database operated under the auspices of *Université Pierre-et-Marie-Curie* in Paris and dedicated to the insects Cercopoidea, which belong to the Hemiptera order.

<http://rameau.snv.jussieu.fr/cool/index.php>

Entomological Data Information System. Internet links to many worldwide websites dealing with biology and ecology, especially Lepidoptera.

<http://www.insects-online.de/linkfram.htm>

FUNET. Finnish university share network site containing updated taxonomic listings for insects, especially Lepidoptera. It also has limited listings for mammals, birds, and plants.

<http://www.nic.funet.fi/pub/sci/bio/life/intro.html>

International Odonata Research Institute. Information about dragonflies and damselflies, including listings by geographical area, taxonomy, and links to related sites.

<http://www.iodonata.net/>

Natural History Museum. British site containing Lepidoptera generic names and type species listings.

<http://www.nhm.ac.uk/research-curation/research/projects/butmoth/>

Odonata Society. German site containing listings of Odonata species found in Europe (in German).

<http://www.libellula.org/>

World Bee Genera. UC Riverside site containing listing of all bee generic names and synonyms by family and subfamily current as of September 2007.

<http://cache.ucr.edu/~heraty/beepage.html>

HERPETOLOGY:

AmphibiaWeb. Provides access to information on amphibian declines, conservation, natural history, and taxonomy. Includes an on-line database of species and links to many related sites.

<http://amphibiaweb.org/index.html>

The Reptile Database. Uetz, P. (Ed.). Taxonomic database that provides basic information about all living reptile species, such as turtles, snakes, lizards, and crocodiles, as well as tuataras and amphisbaenians, but does not include dinosaurs.

<http://reptile-database.reptarium.cz/>

World-Wide List of Turtles and Tortoises on Stamps. This on-line listing was produced by Donald N. Riemer, a former member of the Biology Unit and contributor to this journal, who passed away in June 2012. The site contains a checklist of stamps by country along with appendixes listing labels, cinderellas, turtle look-alike stamps, and post offices with “turtle” or “tortoise” in their name.

<http://www.personal.psu.edu/crr2/turtstmp/>

ICHTHYOLOGY

FishBase. A searchable database developed at the WorldFish Center in Taiwan in collaboration with the Food and Agriculture Organization of the United Nations. Contains all you ever wanted to know about fishes.

http://fishbase.sinica.edu.tw/home_tw.htm

MAMMALS

Feline Philately Homepage. All sorts of cat stamps, postmarks, and related articles.

<http://www.catstamps.org/>

Mammal Species of the World. On-line database of worldwide mammal species hosted by the Smithsonian Museum of Natural History.

<http://www.vertebrates.si.edu/msw/mswcfapp/msw/index.cfm>

ORNITHOLOGY

Birds of the World. All sorts of bird stamps by country and species, including new issues.

<http://www.bird-stamps.org/>

Birds on Stamps. Listings of local, unofficial, and cinderella issues featuring birds—last updated in 2007.

<http://www.birdstamp.com/>

Theme Birds on Stamps. All sorts of bird stamps by country and species, including new issues.

<http://www.birdtheme.org/>

PALEONTOLOGY:

Dinosaur Illustrations. Galleries of dinosaur illustrations by species. Includes links to paleontology stamp sites and other related sites.

<http://www.search4dinosaurs.com/>

Paleophilatelie. Catalogue of Paleontology related philatelic items, such as paleontologists, fossils, prehistoric animals, dinosaurs, early man, and museums on official post stamps, envelopes, and post cards. Contains links to related news items and sites.

<http://www.paleophilatelie.eu/index.html>

GLOSSARY OF TERMS

This section lists the definitions of acronyms, abbreviations, and code letters used throughout this journal. This listing does not include abbreviations used for the name of a taxonomic author, or commonly used symbols.

Checklist Codes:

Br	Branch	A	Subject is the primary design element
Fl	Flowers (with or without other plant parts)	B	Subject is only part of the main design
Fr	Fruit (including seeds, nuts, grains, etc.)	C	Subject is a minor representation
FrV	Grain head with sheaf or stalk	G	Subject is a generalized depiction
L	Lichen	R	Related subject (e.g., scientist, equipment)
M	Mushroom or fungus	S	Subject is a stylized or symbolic depiction
T	Trees (without flowers or fruit)	U	Subject is unidentified or unidentifiable
V	Various (vines, vegetables, roots, leaves, etc.)	X	Subject is a lookalike (e.g., mushroom cloud)
Wr	Wreath	Z	Subject is in the Margin or selva
Wr*	Head wreath (or chaplet)	*	Subject depicted in natural colors

Acronyms and Abbreviations:

AAPE	American Association of Philatelic Exhibitors	ovpt	overprinted
anniv	anniversary	perf	perforated
APC	American Philatelic Center (Bellefonte, PA)	photo	photogravure
APS	American Philatelic Society	ptg	painting or artwork
ATA	American Topical Association	R	right position indicator
bkl	booklet	s/a	self-adhesive
Cap	captioned	Sc#	Scott Catalogue number
CTO	canceled to order	s-o-s	stamp on stamp
CTR	center position indicator	sp.	species
DS	deluxe sheet	SS	souvenir sheet
Ed.	Editor	ssp.	sub-species
Expo	Exposition	s/t	se-tenant
horiz	horizontal orientation	surch	surcharged
imperf	imperfurate	UL	upper left position indicator
Intl.	International	unwmk	un-watermarked
L	left position indicator	UPU	Universal Postal Union
litho	lithography	UR	upper right position indicator
LL	lower left position indicator	US	United States
LR	lower right position indicator	USPOD	United States Post Office Department
mm	millimeter	USPS	United States Postal Service
MS	miniature sheet	var.	variety
ML	middle left position indicator	vert	vertical orientation
MR	middle right position indicator	Vol	Volume
N/A	not applicable (or not available)	wmk	watermarked
nd	non-denominated	WWF	World Wildlife Federation
NTSS	National Topical Stamp Show	Yv#	Yvert & Tellier Catalog number
NWF	National Wildlife Federation		