

BIOPHILATELY

OFFICIAL JOURNAL OF THE BIOLOGY UNIT OF ATA

DECEMBER 2015

VOLUME 64, NUMBER 4

Why did you yell “Fire!” when you fell into the chocolate?

(Because no one would save me if I yelled “Chocolate!”)



Michael Kogan

Milestones in Paleo-Philately

More Inside >>



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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. **NOTE:** Please provide a self-addressed envelope with the necessary return postage (or International Reply Coupons, if available) for all enquiries requiring an answer.

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PLEASE NOTE: Material for the next issue should be in the hands of the Editor before 15 February 2016.

FROM THE EDITOR'S DESK

This issue completes Volume 64, and the journal editions for another year. The end-of-year holidays are here and I wish all of our members a happy holiday season and a safe and prosperous new year.

This is also the time to remind everyone to send in their membership dues for next year to the Secretary, Chris Dahle, at this address: 1401 Linmar Dr. NE, Cedar Rapids, IA 52402. You will find the rates listed below. You can also find membership forms under the "Membership" tab on the Unit website: www.biophilately.org.

Speaking of membership, we are always looking to recruit new members. We do not seek them for their dues money, but to provide them with the information and expertise available from our other members and from this publication. New members also help us keep the organization vibrant with new ideas and fresh outlooks.

During this past year, we have published several articles submitted by new members, including three in this issue.

Certainly there are folks in your local club or friends you know from stamp shows who could benefit from becoming a member of the Biology Unit. Print out a few membership forms and take them to your next club meeting along with a copy of this journal. Maybe you can recruit someone else to share our topical interests.

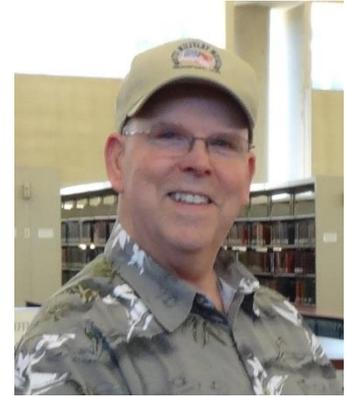
You will note that this issue is about 50 percent larger than normal. Part of the reason for this is that in September, the Scott Catalogue finally assigned numbers to more than 550 stamp issues by the Solomon Islands released in 2013 and 2014. Almost all of these were multiple-stamp miniature sheets and souvenir sheets and many of them depicted biological subjects. So, you all have a big edition to curl up with by the fire during the holidays.

You will also find some important news and reports on recent and upcoming philatelic events. Additionally, we again have Ichthyology and Herpetology columns that have been missing from several recent editions.

There is a Chinese proverb attributed to Confucius that states, "The beginning of wisdom is to call things by their right names." This philosophy fits perfectly with one of the purposes of this publication and I hope that we continue to abide by it. In that regard I have a pet peeve to air. Too often I see the term "imperforated" to describe a stamp or sheet that does not include any perforations or die cuts enabling it to be separated from its neighboring items.

This term is aggravatingly incorrect and probably results from trying to describe something that is the opposite of "perforated." A perforated stamp is one that has perforations on one or more sides. A stamp lacking perforations is "imperforate." Let us all encourage the proper use of this term.

Jack R. Congrove



DUES RATES (US\$)

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

ADVERTISING RATES

Full page insertion	\$20
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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: Chris Dahle, 1401 Linmar Drive NE, Cedar Rapids, IA 52402

PRESIDENT'S MESSAGE

Greetings from Ontario! I do hope that all our members had a great summer and managed to expand their collections to the point where they may be thinking about exhibiting, which to me is one of the main reasons for collecting.

I wrote in my last message about our early days in the ATA and travelling to the 1985 show in Reno, Nevada. In 1986, there was to be another international show titled Ameripex and held in Chicago from May 22 to June 1 with the ATA annual meeting being held at the same time.

Since this was a different scenario than the usual ATA show, the scale was very large, with a huge hall to accommodate the dealers and more exhibits than I had ever seen in one place. I was happy to find two exhibits on Lepidoptera, the first being "The Pursuit of Butterflies" by Greg Herbert (USA) that received a Vermeil award and "A Lepidopteran Love Affair" by Vincent Lucas (USA) that received a Large Silver award.

I had been working on an exhibit titled "The World of Insects" and had found myself in competition with Vince Lucas at StampShow 94, where he received a gold for "The Lepidoptera" and I received a Vermeil for my exhibit. By this time, we were good friends although in competition together with Greg Herbert.

In 1987, "Sepex-Topex '87" was held jointly by the Columbia Philatelic Society and the ATA in Columbia, South Carolina. We took three days to drive down there and it was fun to travel through the Appalachians by means of a tunnel.

We had visited up and down the eastern seaboard in previous years when our children insisted on having holidays in close proximity to the sea. The Columbia Philatelic Society ran a good show (together with the ATA) and put out a very nice programme that contained an interesting write-up by George Griffenhagen titled, "What's in a Word?" that highlighted the difference between "topicals" and "thematics" after *Linn's Stamp News* had stated that there is no difference!

Letters from readers correctly gave the view that "topical collections present a subject as a random sampling," while "thematic collections show more research in telling a story in a logical manner." Mary Ann Owens noted that the transition from a topical to a thematic collection usually takes place when the collection is being transformed into an exhibit.

At the show, Don Brenke of the Americana Unit of ATA invited Barbara and me to visit him in Washington for a couple of days on the way home. So after spending a day visiting Charleston, we drove up to Washington and Don treated us to a three day tour around the city, which was really informative and we finished up at the Washington Monument on Independence Day (July 4th) among what seemed like thousands of people to hear the Navy Band and watch the fireworks display, which was most impressive. Back home on the 6th after another interesting TOPEX experience and my last as President of the ATA!

Until next time...



Alan J. Hanks

SECRETARY-TREASURER'S CORNER

There has been little activity to report this quarter. We have two new members:

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:

1874	Kate White, Country Club Hills, Illinois	not listed
1875	Jeroen Vancutsem, Belgium	butterflies & moths (7)

NEWS OF NOTE

BIOPHILATELY WINS GOLD MEDAL

Your editor entered *Biophilately* in the philatelic literature exhibition at the annual American Philatelic Society Stamp Show held in Grand Rapids, Michigan, 20–23 August 2015. The journal received a Gold Medal in the Journals and Periodicals division. This is the first time in its 64-year history that the journal has received a Gold.

There currently are only two philatelic exhibitions in the United States that host formal competitions for philatelic literature: APS Stamp Show and Chicagopex.

In past competitions, the publication has typically received criticism for having too many pages of checklists and too few pages of news and articles. We have been trying to add more of the latter while still maintaining the new issues listings that most of our members want and rely on.

You as a member and reader can help us greatly to maintain this level of quality by submitting an article about any subject that relates to philately or biology. Tell us about an interesting item in your collection, how you acquired some special item, or what motivated you to collect your topic. Do not worry about formatting, spelling, or grammar. It is the job of the editor to handle all of that. Just give us your ideas.

We also entered the index to the first 62 years of the journal, *The Mother of All Indexes*, in this competition. It received a Silver Medal. The jury provided some valuable feedback on ways to improve it, so look for an updated version in another year, or so.



BIOLOGY UNIT DIRECTOR WINS JENNY JACKPOT

[Ed. Note: Fred Skvara, one of our Unit directors, received one of the 100 copies of the valuable upright \$2 Jenny Invert sheet. This is from an article he wrote for his local club's newsletter, *The Westfield Philatelist*, for which he is the editor and publisher.]

I am the editor and publisher of two American Topical Association study unit journals—*Scalpel & Tongs* and *Americana Philatelic News*. *Scalpel & Tongs* is the journal of the Medical Subjects Unit and is published quarterly on 8½×11-inch 24 lb. paper and mailed in a 9×12 envelope (weighing 2.8 ounces).

Our unit has 50 overseas members and the First Class Mail International postage is over \$4.00 per mailing. As I have been using 400 of the Inverted Jenny stamps a year to mail our journal to our members overseas, I have so far purchased close to 200 panes.



None of those panes were the “Upright Jenny” variety. Instead, in a last minute decision, I added three of those panes to an order for a number of recent postal issues in early August from the USPS's Stamp Fulfillment Services in Kansas City. On August 18, I received the order. As I opened the first Jenny package, I could see the top of some printing on the filler card and knew immediately that I had received an “Upright Jenny” pane. When I called the number on the enclosed card to register the pane, I was told that it was the 20th pane registered with the USPS.

ATA RELEASES FREE HOLIDAY CHECKLIST

The American Topical Association has just the thing to put you in the holiday spirit: a free checklist. This year's topic is indeed jolly, as the checklist of stamps and related items features the characters of Charles M. Schulz.

The list includes 68 stamp items, plus 34 postmarks, cinderellas, etc. The checklist will be updated as new information becomes available. It can be downloaded free through the end of December at www.americantopicalassn.org. A free print copy of the three-page list will be mailed when an addressed, stamped envelope is received by ATA, PO Box 8, Carterville, IL 62918-0008.



As with all ATA checklists, the Schulz list can be searched and sorted by country, issue date, or Scott number, and there is a description of each item. Charlie Brown, Snoopy, Woodstock, Lucy, Linus, and all the others can be found on stamps. The list can be used to start a topical collection, or for a fun holiday project.

This is the fourth year the ATA has offered a free list. Previous topics were Halloween, turkeys, and gingerbread. This year's list was compiled by topical cartoon collector Carol Costa and Jack André Denys, ATA President.

ATA members may obtain, for a small fee, checklists on more than 1200 topics, and the newly expanded dATAbase can also be "custom searched" for stamps on very specific topics. ATA membership benefits and membership information are on the website.

WORLD STAMP SHOW NY-2016

As most of you probably know, the United States is hosting its decennial international stamp show next year in New York City. The eight-day show runs from 28 May to 4 June and will be held at the Jacob Javits Convention Center located at 655 West 34th Street in downtown.

Admission to the show is free and the organizers expect more than 200,000 people from all over the world to attend. More than 200 stamp dealers will be selling and buying stamps, covers, collections, post cards and a wide assortment of ephemera and philatelic items and supplies.

The show will have 4,000 frames of exhibits and right now they have received applications for more than 6,400 frames. I would not like to have the task of determining which exhibits will be rejected. This show will also introduce a new style of exhibit frame that is half the weight of the one currently in use.

Of course, this means that the remaining exhibits will be of the highest quality with some of the world's greatest stamp and postal rarities on display.

There will be First Day stamp release ceremonies for US, UN, and several other nations.

Family friendly activities and events are also available including a 5,000 square feet Youth and Beginner area that includes a theater and many interactive games and projects.

The Biology Unit will be helping to man the ATA booth at the show. There will be 60 other specialty philatelic organizations covering every facet of the hobby there as well. If you are planning to attend this show (and you should as it is the premier philatelic event of the year), the Unit could use an hour of your time to help at the booth.

NY-2016 has partnered with Delta Airlines to provide special discounts for both domestic and international flights. They also have made arrangements with 27 New York and New Jersey hotels for discounted rates. But these properties are already nearly sold out.

See the NY-2016 World Stamp Show website at www.ny2016.org for more details about all aspects of the show.



SEAPEX 2015 REPORT

Jack R. Congrove, BU1424

The Pacific Northwest now has a new World Series of Philately (WSP) exhibition. The Seattle Philatelic Exhibition (SEAPEX) held its annual show on 11–13 September at the Tukwila Community Center near the SeaTac Airport.



A WSP exhibition is a U.S. national level show that has undergone an accreditation process by the American Philatelic Society and must follow strict standards to maintain its status. This year SEAPEX had 26 dealers and set a new record with 183 frames of competitive philatelic exhibits with an additional 16 non-competitive frames.

The multi-frame Grand Award winner from each of the 31 WSP shows is invited to compete at the annual APS Stamp Show for the Champion of Champions Award, the highest national level exhibiting honor available. The APS will hold its show at the Convention Center in Portland, Oregon, on 4–7 August 2016.

The one-frame Grand Award winner also gets to compete at the APS AmeriStamp Expo for the Single Frame Champion of Champions Award. The APS will hold this show at the Atlanta Hilton hotel in Atlanta, Georgia, on 29–31 January 2016.



The SEAPEX multi-frame Grand Award winner this year was Nicholas Lombardi for his Postal exhibit, “The 1903 Two Cent Washington Shield Issue.”



ATA Ambassador Keith Edholm viewing Janet Klug's Grand Award exhibit

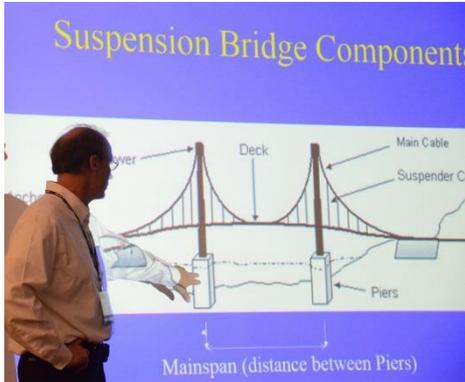
The one-frame Grand Award winner was Janet Klug for her Display exhibit, “Absinthe: The Devil in a Bottle.”

On Thursday before the show, SEAPEX organized a tour of the Boeing Museum of Flight. In addition to the great aircraft displays, the participants got to visit the museum archives to view some of the unique and significant Aerophilately material in the museum's collection.



Boeing Museum of Flight docent Steve Ellis describing some philatelic items in archives

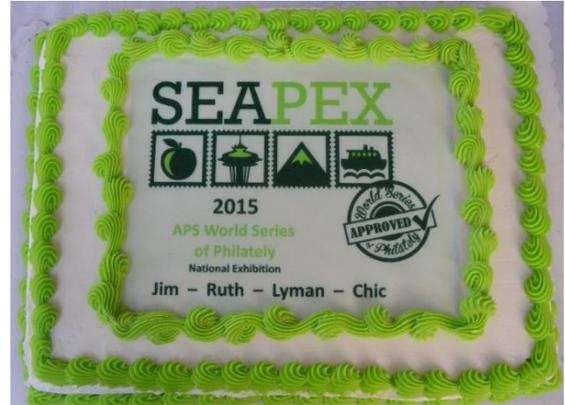
On Friday, Tim Moore, an engineer from the Bridge and Structures office at the Washington State Department of Transportation, gave a very interesting presentation on the history of the Tacoma Narrows Bridge whose 75th anniversary was the theme of our show.



Tim Moore from WSDOT describing suspension bridge design

On Saturday, SEAPEX held a ceremony to honor the four people who had the vision and did the work to grow SEAPEX from a local/regional show into a national level exhibition.

These founding members are: James T. Hall, Charles E. (Chic) Bertolacci, and Ruth and Lyman Caswell. Each was presented with the SEAPEX Distinguished Service Award. These original awards are the first of what the show plans to make an annual honor at each future show.



On Saturday, the show hosted a seminar for ten Boy Scouts to fulfill the requirements for achieving a stamp collecting merit badge.

Other activities included presentations on the History of the Scott Catalogue and the 1920 Siam “Scout Fund” Overprints. In the Youth and Educators are, we held a contest for the best bridge constructed using popsicle sticks. David Levy (age 13) from the Evergreen Stamp Club won with his truss bridge creation.

On Sunday, the APS President, Stephen Reinhard, conducted an APS Town Hall meeting where he discussed the recent APS staff changes and introduced Megan Orient, the new Manager of Shows and Exhibitions.

Mr. Reinhard also spoke about the future APS plans and APS participation in the NY-2016 international show. He told the audience that final construction has begun on the Library, which should be complete by mid-2016.



David Levy Build-a-Bridge winner



Michael Bloom at Stamp Buddy table with Joe Duffie, Tukwila City Council

Michael Bloom spoke about the implementation of the APS Stamp Buddy program, offered at SEAPEX this year, and the plans for a 5,000 square foot youth booth at NY-2016.

Next year SEAPEX will be held at the same location on 9–11 September. In addition to multiple dealers and top quality exhibits, the show will be hosting an auction operated by Harmer-Schau Auctions.

The show theme next year will celebrate the 100th anniversary of Boeing Aircraft with special displays and presentations. Please come and enjoy the exhibition in the Great Northwest.

NEOTENIC URODELE AMPHIBIANS

Dr. Vic Eichler, BU1850

The term “neotenic” refers to adult animals that retain larval characteristics. In the case of urodele amphibians (commonly known as salamanders and newts), the larval characteristics that are normally lost in the transition from larval form to adults are the tailfin and the gills. Neotenic forms become sexually mature as adults even though they look like a large larval form with extended gills with which they obtain oxygen from the water.

The most common neotenic salamanders are the **Axolotl**, native to Central Mexico, the **Mudpuppy** of Eastern North America and the European **Olm**. All three of these have been pictured on the stamps of at least one country. All three remain totally aquatic throughout their lives.

Axolotl

The axolotl (*Ambystoma mexicanum*) is pictured on several stamps, including those issued by Mali, Dominica, Congo Democratic Republic, and its native Mexico.

Mexico issued this stamp (part of a set of two) on 29 February 1988, honoring the axolotl in its native country.

It is found in many color variations from pure white to black, and is totally aquatic throughout life. The axolotl does not develop functional lungs, breathing mostly from oxygen taken from the water with its gills, but also to a small degree through the thin and very vascular skin.



Ambystoma mexicanum
Mexico, 1988, Sc#1533



Ambystoma mexicanum
Dominica, 2000, Sc#2259

Photograph of a wild axolotl on a stamp from a set of four featuring fauna, issued by Dominica on 18 December 2000.

This beautiful amphibian is critically endangered because its only known home is in lakes near Mexico City, and its habitat is quickly being polluted and lost.

A souvenir sheet from Mali shows the white coloration. Without body pigment the red blood can be seen in the gills.

The axolotl is the lower specimen on this stamp from the Congo Democratic Republic—an example of the black color.



Ambystoma mexicanum
Mali, ca.2012, not listed



Ambystoma mexicanum
Congo D.R. (Zaire), 2004, not listed

Mudpuppy

The common mudpuppies of North America (*Necturus maculosus*), are sometimes called “water dogs.” They are usually colored dark brown or grey in contrast to the gills that extend from the side of the head that appear quite feathery and are bright red in color.

The individual that appears as a drawing on a 1996 Somalia stamp gives an accurate idea of what this amphibian looks like as an adult.



Necturus maculosus
Somalia, 1996, Mi#582

Olm

Nature tends to be conservative when it comes to expending energy on adaptations to an environment, so structures or processes that are not needed tend to be eliminated during development.

Nowhere is this rule seen better than in dark underground lakes and streams where cave fish and amphibians make their home. The European blind cave salamander known as the Olm (*Proteus anguinus*) is a special example of this principle.

Like other cave vertebrates that live in total darkness, the rudiments of eyes that are present in the embryo are not developed in the adult, and pigmentation of the skin—so important in species that live above the ground for camouflage, mating, and territorial warnings—is never developed.

Hence, these pale-skinned, blind cave salamanders, living their entire lives submerged in darkness, depend on the senses of smell and auditory stimulation through inner ear and body lateral line structures very sensitive to aquatic vibration frequencies.

Like the other forms mentioned previously, the Olm is totally aquatic throughout its life and respiration is accomplished through prominent red gills that are retained in the adult.

Captive animals have been known to live for five or six decades, becoming sexually mature only in the second decade of life.



Proteus anguinus
Bosnia (Serb), 2000, Sc#125



Proteus anguinus
Croatia, 2013, Sc#865



Proteus anguinus
Yugoslavia, 1954, Sc#408



Proteus anguinus
Slovenia, 1993, Sc#178

STAMP STORIES

Jack R. Congrove, BU1424

Here in the Seattle area where I live, we have a very fine “oldies” radio station that I enjoy. The other day, I heard them play a song by Jimmie Rodgers titled, “Kisses Sweeter Than Wine.” This love song was a hit for Rodgers in 1957, but it was written and originally recorded by The Weavers in 1950.



Lenz Moser Wine
Austria, 2012, Sc#2414

The USPS issued a 13-cent stamp to commemorate Jimmie Rodgers as the first stamp in its Performing Arts series on 24 May 1978. There are a total of 12 stamps in this series issued between 1978 and 1999.

Now, I like wine very much and recently even joined the Wine on Stamps study unit, but unless you are talking about ice wine, or some other type of dessert wine, I do not find that beverage very sweet. In fact, some types are downright sour.

As I thought about this, it occurred to me that it would make more sense if the girl of the song had “kisses sweeter than chocolate.” Now, there is something I could wrap my lips around, so to speak.

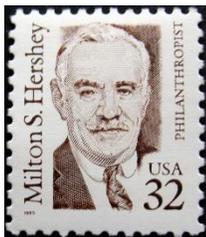


Jimmie Rodgers
US, 1978, Sc#1755

On 13 January 2007, the USPS issued a booklet pane of 20 self-adhesive stamps depicting a Hershey’s Kiss as one of its continuing Love series and commemorating the candy’s 100th anniversary. There is hardly any American who is not familiar with this popular chocolate treat. The stamp was designed by Derry Noyes and printed by Avery Dennison.



Hershey's Kiss
US, 2007, Sc#4122



M.S. Hershey
US, 1995, Sc#2933

These candy “kisses” are made by the Hershey Company founded by Milton S. Hershey in 1894. It is the largest manufacturer of chocolate in North America, and one of the oldest chocolate companies in the US.

On 13 September 1995, as part of its Great Americans series, the USPS honored the company’s founder himself on a 32-cent self-adhesive stamp designed by Dennis Lyall and printed by the Banknote Corporation of America.

The average American eats about 12 pounds of chocolate every year. Chocolate is one of the most popular foods in the world. Chocolate is even included in US military rations. In fact, the majority of chocolate issued to US military personnel is produced by the Hershey Company.

As an emergency field ration, military chocolate is very different from normal chocolate bars. Because its intended use is as an emergency food source, it is formulated so that it would not be a tempting treat that troops might consume before they needed it. I can personally attest that the tropical bars in the military sundries pack tasted more like a bar of soap than a bar of chocolate. These bars are also formulated to withstand high temperatures.

Chocolate is a New World product. The cacao tree is native to South America. Evidence indicates that the Maya were producing chocolate drinks as early as the 5th Century. They cultivated and harvested the cacao seeds and used them to brew a beverage that they consumed with every meal.

Spanish explorers introduced chocolate to Europe in the 16th Century.

The cacao tree (*Theobroma cacao*) is a small evergreen tree that may reach a height of 25 feet. The flowers are produced in clusters directly on the trunk and older branches. This formation is known as cauliflory.

Unlike many flowers that are pollinated by various species of bees, cacao flowers are pollinated by tiny midges of the *Forcipomyia* genus.

The cacao pods are ovoid and grow to about 6–12 inches long and 3–4 inches wide. They weigh about one pound when ripe.



Cacao tree & harvesting pods
Samoa, 1952, Sc#209

The ripe pods are yellow to orange color and contain between 20–60 seeds embedded in a white pulp. It takes about 400 dried seeds to make one pound of chocolate.

Some countries use the pulp to make juice, smoothies, and jelly. The fermented pulp is distilled into a popular alcoholic beverage.

Cacao is one of 22 species of *Theobroma*, which translates to “food of the gods.” Many will agree with this appellation.

Cultivation of cacao began in ancient times, most likely in what is now Peru. At first, the fruit pulp was probably used to make fermented beverages. Early Mesoamericans imported the trees from South America, perhaps as early as 1900 BC.

Archaeologists have found cacao residue in ceramic vessels at several prehistoric sites in southern Mexico and Central America.



Ripe cacao pods
Mexico, 1981, Sc#1237; Venezuela, 2015, not cat



Arrival in France
France, Sc#3782c

After its introduction in Europe, the demand for chocolate as a beverage spread and led to the establishment of cacao plantations in the tropical colonies of Spain and France. Today, cacao is a major agricultural product in countries in West Africa, South America, and the East Indies. Ivory Coast leads the world with 1.3 million metric tons produced in 2005.

After harvesting, the pulp and seeds are removed and the rind is discarded. The pulp and seeds are then laid out for several days while they undergo “sweating,” where the thick pulp liquefies as it ferments.

The fermented pulp trickles away, leaving the seeds behind for collection. Sweating is important for the quality of the seeds, which originally have a strong bitter taste. If sweating is interrupted, the resulting cocoa may be ruined. If underdone, the seed has a flavor like raw potatoes and becomes susceptible to mildew.



Drying cacao seeds
Dominica, 1954, Sc#143

To make chocolate, the seeds are roasted and shelled. The resulting pieces are called nibs and are used directly in cooking, or for snacking.

Most nibs are ground into a thick paste called chocolate liquor, which is further processed into chocolate by adding more cocoa butter and sugar, and sometimes vanilla and other ingredients. The liquor can also be separated into cocoa powder and cocoa butter using hydraulic or chemical processes.



Swiss chocolate centenary
Switzerland, 2001, Sc#1100

Several countries have produced stamps featuring chocolate themes. Some recent issues have even incorporated a chocolate aroma like the scratch and sniff coating on the Swiss stamp pictured here.

Chocolate and cocoa are enjoyable for their own sake, but recent studies have revealed that they also offer many health benefits. Cocoa is a rich source of antioxidants and flavonoids, which may impart anti-aging properties and may have beneficial cardiovascular effects.

Chocolate is also a stimulant and studies have found short term benefits in reducing LDL cholesterol levels from dark chocolate consumption.

Foods rich in cocoa appear to reduce blood pressure and it is believed that health benefits may extend to the brain and have important implications for learning and memory.

All this writing has suddenly made me hungry. I think I will stop now and have a bowl of chocolate ice cream.

MILESTONES OF PALEO-PHILATELY

Michael Kogan, BU1863

[Ed. Note: This article is the second 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 Paleophilatelie website (www.paleophilatelie.eu). See Vol. 64 (3) for the first chapter.]

[Ed. Note: Corrections to the first installment: On page 155, “Later the same year the stamps were overprinted for official use.” The first stamp, without overprint, was also for official use. On page 156: “On 5 March 1949, the Monaco Post issued a set of three stamps showing various areas of interest of Prince Albert I....” This was actually a set of 12 stamps.]

First Stamp Commemorations

In 1951, **prehistoric animals** appear on postage stamps for the first time. To commemorate the Indian Geological Survey centenary on 13 January 1951, India Post released a stamp showing two prehistoric “elephants” (*Stegodon ganesa*), the first ever reconstruction of a prehistoric animal on a stamp.

Stegodons were primarily an Asiatic group of Mammutidae. This family is believed to have evolved sometime by the middle Miocene, nearly 15 million years ago, and became extinct by the late Pleistocene about 30,000–40,000 years ago. Stegodons appear to be transitional between true mastodons on the one hand and true elephants on the other.

Why are Stegodons depicted on stamps for the anniversary of the Indian Geological Survey?



Stegodon ganesa
India, 1951, Sc#232



Dr. D. N. Wadia
India, 1984, Sc#1068B

In 1928, a three-meter long fossil tusk of an elephantine mammal (*S. ganesa*) was discovered by Dr. Darashaw Noshewan Wadia (1883–1969) who pursued his personal research on stratigraphy, structure, and paleontology of the Kashmir Himalayan region with single-minded devotion.

Being a very keen observer, he worked towards identification of broad structural elements of the northwest Himalayas. The discovery of this skull, which was found in association with fossil ganoid fish and pteridospermous plants, led to the fixing of the age of an important geological rock formation in the Kashmir Himalayas to the Permo-Carboniferous period (355–250 million years ago). The fossil tusk is now kept at the museum of the Geology Department of the Jammu University.

In 1952, Algeria issued the first stamp showing a **fossil**.

In that year, the XIX International Geological Congress was held in Algeria. The host country issued two special stamps on 11 August to promote this event. The ammonite fossil depicted on the 15-franc stamp is *Berbericeras sikikensis*. The second stamp, denominated 30fr, shows one of the most famous geological sites in the country—the Hoggar Mountains.

Ammonites are excellent index fossils, and it is often possible to link the rock layer in which they are found to specific geological time periods. Therefore, they appear on several philatelic items related to some geological events.

The **skeleton** of a prehistoric animal appears for the first time on a stamp from the United States on 15 January 1955.

The stamp was issued in conjunction with the sesquicentennial celebration of the Pennsylvania Academy of Fine Arts. The stamp pictures Charles Wilson Peale’s self-portrait, “The Artist in His Museum.” Many of the museum’s exhibits were collected by Peale, and he includes some of them in his painting. The stamp features several, like a wild turkey ready to be preserved as

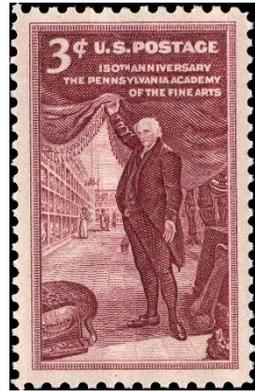


B. sikikensis
Algeria, 1952, Sc#247



Mastodon bone & reconstruction

well as a great mastodon bone, in honor of one of Peale's greatest achievements—the reconstruction of a mastodon's skeleton. The mastodon and three other prehistoric mammals can be seen on American stamps issued on 8 June 1996



C. W. Peale
USA, 1955, Sc#1064



Mastodon (LL)
USA, 1996, Sc#3079

It took another three years until the first stamp of **dinosaur** was issued. On 15 April 1958, the People's Republic of China issued a set of three stamps titled, "Chinese Paleontology."



The 4-fen stamp depicts a trilobite (*Kaolishania pustulosa*) of Haoli Mountain (Paleozoic).

A dinosaur found near Lufeng (*Lufengosaurus huenei*) is on the 8-fen stamp (Mesozoic).

The Chinese giant deer (*Megaloceros [=Sinomegaceros] pachyosteus*) appears on the 16-fen stamp (Cenozoic)

Lufengosaurus, meaning Lufeng lizard, is a genus of sauropod dinosaur from the early and middle Jurassic period of what is now southwestern China. It was named by C. C. Young in 1941.

This is one of the few prosauropod dinosaurs to survive from the early Jurassic era. Prosauropods, meaning "before the sauropods," were small, herbivorous dinosaurs closely related to the giant sauropods of the late Jurassic period. This dinosaur became the first complete dinosaur skeleton to be mounted in China and displayed in Beijing.

The FDC of this set is very rare, as it was issued in a quantity of 1,000 pieces only.

Dinosaurs appeared on US stamps for the first time on 6 May 1970. The USPS issued a set of four stamps to commemorate the 100th anniversary of the opening of the American Museum of Natural History (AMNH) in New York City.

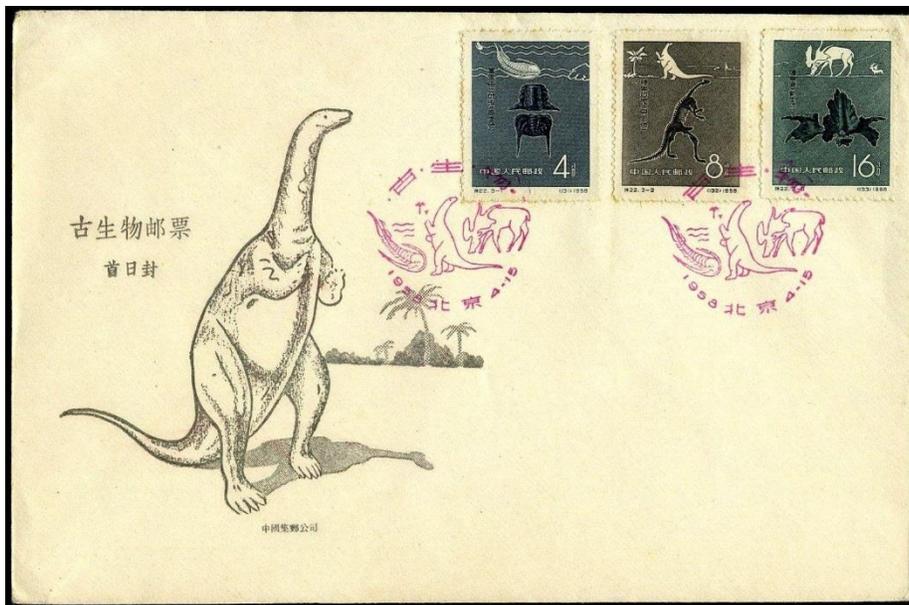
One of these stamps reproduces the Jurassic period portion of a mural titled, "The Age of Reptiles," painted by the famous paleo artist Rudolph F. Zallinger.



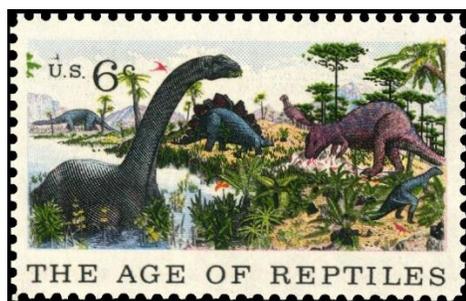
Lufengosaurus huenei
China P.R., 1958, Sc#342

This mural covers the entire east wall of the Yale Peabody Museum’s Great Hall. It is one of the largest in the world, measuring 110 feet (33.5 meters) by 16 feet (4.9 meters). It required more than 4.5 years (1943–47) to complete.

Painted using the Renaissance *fresco secco* technique, the mural showcases a panorama of the evolutionary history of the earth—from the Devonian Period 362 million years ago (MYA) to the Cretaceous Period 65 MYA—based on the best scientific knowledge available at the time.



Chinese Paleontology FDC
China P.R., 1958, Sc#341–43



“The Age of Reptiles”
USA, 1970, Sc#1390

The chronology of the mural reads from right to left and spans more than 300 million years, with large foreground trees marking the boundaries between the geologic periods.

Between 1958 and 1961 Swiss Post, in cooperation with Pro Patria organization, issued four semi-postal stamp sets showing some fossils and minerals from the collections of local museums.



Pro Patria is a Swiss patriotic and charitable organization. Its purpose is to give meaning to the Swiss national holiday, 1 August, by collecting donations to benefit social and cultural works of national public interest.

One of the methods the organization uses to collect donations is the issue of semi-postal stamps. The first stamp set was issued in 1938.

All the mineral sets contain five stamps: one stamp with a logo of the Pro Patria campaign and four stamps showing minerals and fossils. The additional amount paid for each sold stamp transferred to the organization. Actually, these are the first semi-postal stamps with a paleontological context ever issued.

The set from 1961, distinguished from others, contains two fossil stamps: a **fish** and a **plant**. Both are the first stamps in their category.

The fish is very likely *Scorpaena porcus* and the fern plant is probably *Asterotheca meriani*.

Asterotheca is a genus dating from the Permian period 299–252 MYA. It grew in humid and swampy locales and was one of the first plants on the earth.

Plant fossils are the subject of Paleobotany study.

Paleobotany is the branch of paleontology dealing with the recovery and identification of plant remains from geological contexts, and their use for the biological



Scorpaena porcus
Switzerland, 1961, Sc#B305



Asterotheca meriani
Switzerland, 1961, Sc#B307

reconstruction of past environments. It includes the evolutionary history of plants, with a bearing upon the evolution of life in general. Paleobotany is important in the reconstruction of ancient ecological systems and climate, known as paleoecology and paleoclimatology, respectively. It is also fundamental to the study of green plant development and evolution.



Edaphosaurus
Poland, 1965, Sc#1307



Brontosaurus
Poland, 1965, Sc#1309

The first colorful, pictorial stamps depicting prehistoric animals were issued on 5 March 1965 by Polish Post who liked to popularize discoveries of paleontologists. The set of ten stamps show representations of prehistoric animals, mostly dinosaurs.

The designs are based on pictures by Zdenek Burian, a Czech painter and book illustrator, whose work during a remarkable career spanning five decades, played a central role in the development of paleontological reconstructions.



Stegosaurus
Poland, 1965, Sc#1311



Styracosaurus
Poland, 1965, Sc#1313



Tyrannosaurus
Poland, 1965, Sc#1316

Originally recognized only in his native Czechoslovakia, Burian's fame later spread to an international audience, and a number of artists later attempted to emulate his style.



Cryptocleidus
Poland, Sc#1308



Mesosaurus
Poland, Sc#1310



Brachiosaurus
Poland, Sc#1312



Corythosaurus
Poland, Sc#1314



Rhamphorhynchus
Poland, Sc#1315

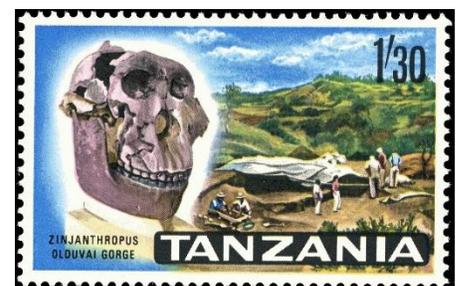
Burian is regarded by many as the most influential paleo-artist of the modern era. Many stamps issued around the world are based on his illustrations.

Also in 1965, the first stamp with an early human fossil came from Tanzania, the "cradle of humankind."

On 9 December 1965, Tanzania issued a set of 14 definitive stamps with some typical animals, landscapes, and some historical episodes to show development of the country.

The 1.30sh stamp shows a skull of *Zinjanthropus* and its excavation site at Olduvai Gorge valley.

Zinjanthropus, later categorized as *Paranthropus boisei*, is an extinct hominin postulated from a skull discovered in Olduvai Gorge, Tanzania, by British paleoanthropologist, Mary Leakey on 17 July 1959.



Zinjanthropus
Tanzania, 1965, Sc#14

For much of her career, Mary Leakey (1913–1996) worked together with her husband, Louis Leakey (1903–1972), in Olduvai Gorge, uncovering the tools and fossils of ancient hominins. She developed a system for classifying the stone tools found at Olduvai.

She also discovered the Laetoli footprints. It was there, at the Laetoli site, that she discovered hominin fossils that were more than 3.75 million-years-old. In addition, she discovered 15 new species of other animals, and one new genus.

In 1960, she became director of excavation at Olduvai and subsequently took it over, building her own staff. After the death of her husband, she became a leading paleoanthropologist, helping to establish the Leakey tradition in the field.

Mary Leakey died on 9 December 1996, at the age of 83, a renowned paleoanthropologist, who had not only conducted significant research of her own, but had been invaluable to the research careers of her husband and their sons, Richard, Philip, and Jonathan.

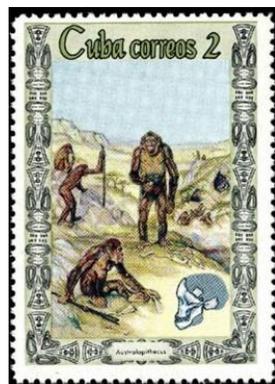


Mary Leakey
GB, 2013, Sc#3164

On 31 March 1967, Post Authority of Cuba issued a set of seven stamps that were the first to show **human evolution**.



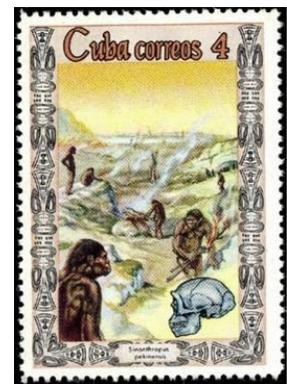
Homo habilis
Cuba, 1967, Sc#1210



Australopithecus
Cuba, 1967, Sc#1211



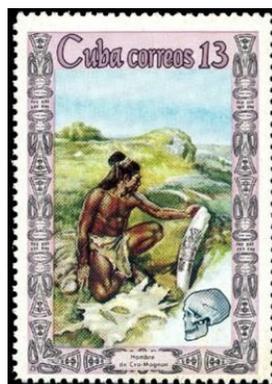
Pithecanthropus erectus
Cuba, 1967, Sc#1212



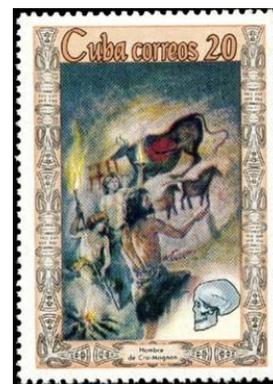
Sinanthropus pekinensis
Cuba, 1967, Sc#1213



Neanderthal man
Cuba, 1967, Sc#1214



Cro-magnon carving
Cuba, 1967, Sc#1215



Cro-magnon painting
Cuba, 1967, Sc#1216

Each stamp shows a skull fragment for the relevant stage of human (*Homo*) species and depicts some major stage of human development, known from the worldwide fossil record.

The first two stamps show very early species: *Homo habilis*, who lived between roughly 2.8 to 1.5 MYA, and *Australopithecus*.

From paleontological and archaeological evidence, the *Australopithecus* genus apparently evolved in eastern Africa around 4 MYA before spreading throughout the continent and eventually becoming extinct sometime after 2 MYA.

Pithecanthropus erectus and *Sinanthropus pekinensis* both belong to the *Homo erectus* group that lived between 1.9 MYA and 700,000 years ago. *Pithecanthropus erectus* is known from fossils found at the bank of the Solo River at Trinil, in East Java. Fossils of *Sinanthropus pekinensis*, also known as Peking Man, are found in China.

The Neanderthals, or Neandertals, are closely related to modern humans, differing in DNA by just 0.12 percent. Remains left by Neanderthals include bone and stone tools, which are found in Eurasia, from Western Europe to Central and Northern Asia as well as in North Africa.

Neanderthals are generally classified by biologists as the species *Homo neanderthalensis*, but some considers them to be a subspecies of *Homo sapiens* (*Homo sapiens neanderthalensis*).

Several cultural assemblages have been linked to the Neanderthals in Europe. The earliest, the Mousterian stone tool culture, dates to about 300,000 years ago. Late Mousterian artifacts were found in Gorham's Cave on the south-facing coast of Gibraltar

With an average cranial capacity of 1,600 cubic centimeters, the cranial capacity of Neanderthals is notably larger than the 1,400 cubic centimeters average for modern humans, indicating that their brain size was larger. This difference in brain size can be attributed to the cold climate adaptations.

Genetic evidence published in 2010 and 2014, suggests that Neanderthals contributed to the DNA of anatomically modern humans, including most non-Africans as well as a few African populations, through interbreeding, likely between 50,000 to 60,000 years ago.



Neanderthal discovery
Gibraltar, 1973, Sc#297

The final *Homo* species shown on these stamps is the modern *Homo sapiens*. The 13c and 20c stamps show Cro-Magnon men. These are the first early modern humans that lived in Europe in the Upper Paleolithic period from 50,000 to 10,000 years ago. Current scientific literature prefers the term European early modern humans (EEMH). Fossils of this species are found in Italy, Britain, and even in Arctic regions.

All stamps of this set use illustrations by the famous Czech painter and book illustrator, Zdenek Burian, from a book titled *Prehistoric Man*, published in 1960.

On 5 January 1970, Lesotho issued a set of five stamps showing some **footprints** of dinosaurs and other prehistoric animals.

Paleoichnology is the study of fossilized footprints. Scientists can learn many things from studying such tracks. They can give an idea about size of the animal and if it walked on two or four legs.



Dinosaur footprints at Moyeni
Lesotho, 1970, Sc#75



Gryponyx tracks
Lesotho, 1970, Sc#76

The distance between the footprints can indicate the speed and behavioral of the animal. Many sites have been found with numerous tracks giving information on the social behavior of the animals, whether they traveled in herds, pairs, or alone. In addition to all of this, scientists can learn the animal's foot anatomy and foot padding.



Plateosaurus tracks
Lesotho, 1970, Sc#77



Tritylodon tracks
Lesotho, 1970, Sc#78



Massospondylus tracks
Lesotho, 1970, Sc#79

Also in 1970, fossils appeared for the first time on **postal stationery**.

On 19 June 1970, the Polish Postal Service issued a post card to commemorate the 50th anniversary of the Polish Geological Institute. The building of the institute is depicted on the left side of the card.

The imprinted stamp shows an ammonite of genus *Perisphinctes* from the collection of the institute. The ammonite is about 30 centimeters in diameter and can be founded in various locations in Poland.

A trilobite (*Marrolithus ornatus*) is featured on a special postmark issued in Kielce. This blind trilobite is only 2 centimeters in size, probably burrowed in the mud of the Ordovician sea floor (485–443 MYA).

On 31 October 1970, the first **diamond-shaped** stamps of fossils were issued by Angola.

Most stamps issued around the world have been rectangular or square shaped. However, from time to time some postal authorities produce stamps with other shapes.

The fossil stamps are part of a set of 12 definitive stamps including minerals titled, “Geology, Mineralogy, Paleontology,” and show an *Angolasaurus* skull (50c, Sc#551), petrified wood (2e, Sc#554), the tooth of a Megalodon (3.5e, Sc#557), and more, found in the country.



Perisphinctes ammonite
Poland, 1970

Fossils and Minerals
Angola, 1970, Sc#551–62



On 13 June 1974, the USPS issued a set of four 10 cent diamond-shaped stamps titled, “Mineral Heritage.”

One of these stamps depicts petrified wood. Mineral emplacement in which dissolved minerals are carried by ground water into the porous parts of buried wood, results in petrification. We see it in petrified wood, although it is also known in shells and bones.

Petrified wood is composed principally from *Araucarioxylon arizonicum*, an extinct conifer, and may be seen in the Petrified Forest National Park in Arizona.

Another site where petrified wood may be observed is Yellowstone National Park. This area is not a single forest, but a vertical succession of 27 individual forests preserved in more than 2,000 feet (600m) of volcanic deposits. Not only have the tree trunks been preserved, but the impressions include leaves, twigs, needles, and cones.

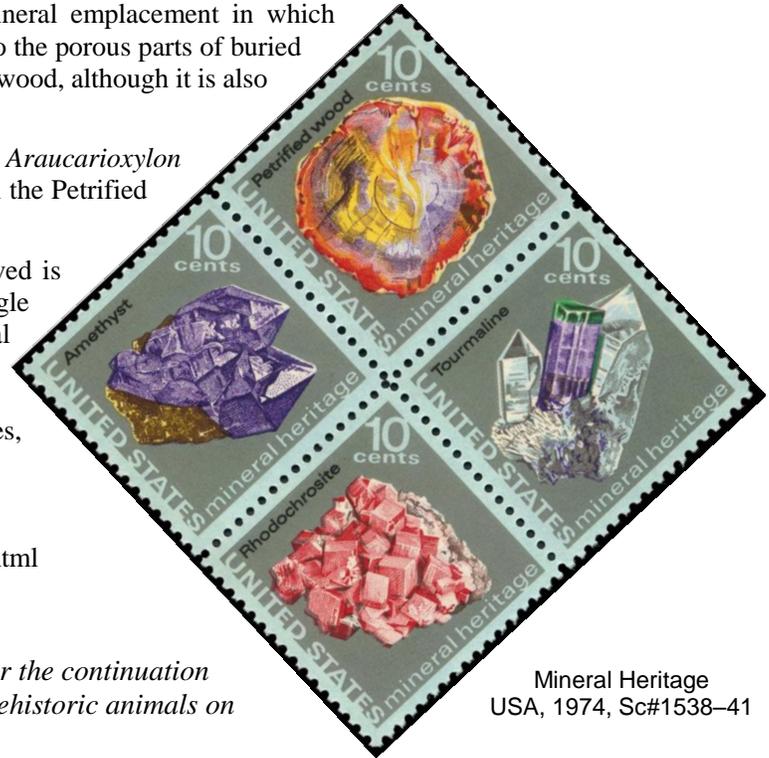
References:

http://www.paleophilatelie.eu/stamps_milestones.html

<http://www.stampedout.nl/code/histframe.html>

<https://en.wikipedia.org>

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



Mineral Heritage
USA, 1974, Sc#1538-41

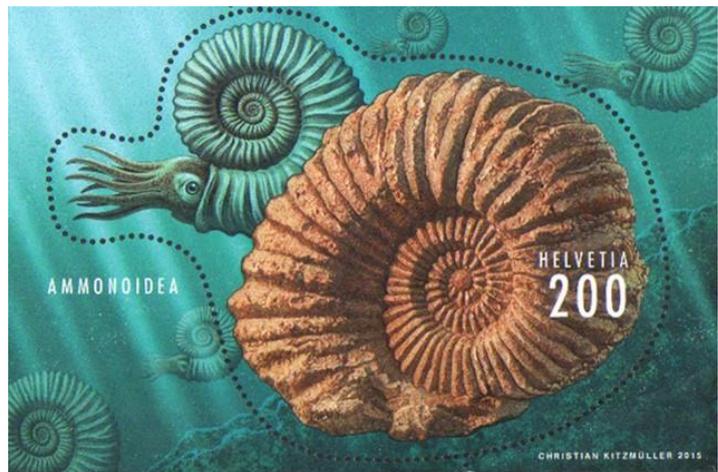
SWISS AMMONITE

On 5 March 2015, Switzerland issued a 2-swiss franc souvenir sheet containing one irregularly shaped stamp depicting a *Colombiceras* ammonite fossil along with an image showing a reconstruction of how the creature may have appeared when it was living.

The designer was Christian Kitzmüller of Bülach, Switzerland. The sheet was offset printed on white paper with optical brightener in four colors by Gutenberg AG of Schaan, Liechtenstein.

The stamp is perforated 14, which might be hard to measure because nowhere do the perforations form a straight line.

These fossils are found in the Swiss Jura Mountains and are the remains of creatures related to octopus and squid that first appeared around 400 million years ago, spread throughout the world's oceans, then died out at the same time as the dinosaurs approximately 65 million years ago.



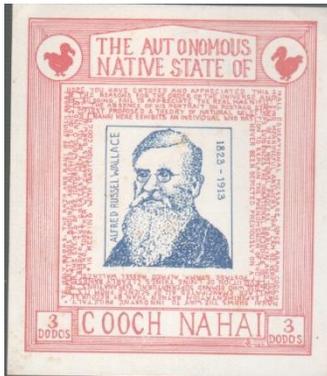
Ammonites had an outer shell like a snail, but the inner part of the shell had chambers of the kind we can still see today in the living pearly nautilus. Scientists believe that ammonites fed on small prey and probably lived close to the sea floor. However, there are many unanswered questions including how many tentacles and what kind of eyes they had.

Scientists estimate that almost 20,000 different species existed spread over a period of 335 million years. As a result, ammonite make excellent index fossils used to date geological strata.

ALFRED RUSSEL WALLACE, EVOLUTIONIST, ON POSTAGE STAMPS

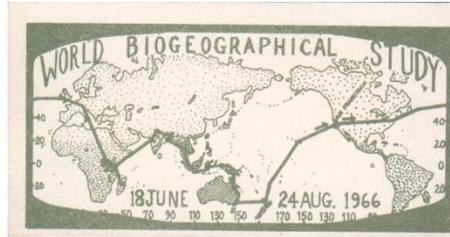
Indraneil Das, BU1857, and Pui Yong Min

Alfred Russel Wallace (1823–1913) has been described as an explorer, biologist, geographer, and anthropologist. A leading evolutionary thinker of his time, as well as pioneering biogeographer, Wallace is famously associated with Darwin for the theory of evolution through natural selection.



Alfred Russel Wallace
(cinderella stamp)

The first stamp showing Wallace was privately issued around 1978 by the Rajah of the Autonomous Native State of Cooch Nahai, an imaginary country set in Redwood, California, and “ruled” by the eccentric Dr. Lawrence Wesley Swan (1922–1999), a professor of Zoology at California State University in San Francisco.



In philatelic lexicon, this as well as others in the series, including one without a face value showing a map of the earth and its biogeographical regions, are known as “cinderellas.” The face value is in “dodos,” the official currency of Cooch Nahai.

On 1 July 2009, miniature sheet of four stamps was issued, purportedly from the West African island nation of São Tomé and Príncipe.

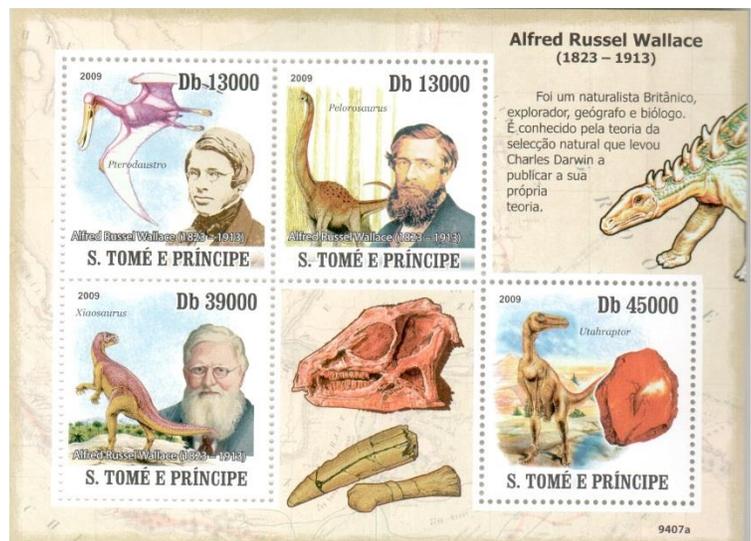
The postal material of this tiny island state (including stamp design, production, and distribution) for a long time was under the control of a large philatelic company in Argentina. This company has similar agreements with other developing nations in Africa, the West Indies, and Oceania. One is unlikely to see valid postal usage of such products.

The sheet shows three images of Wallace: One in his late youth from the year 1847 as he would have appeared before his arrival in Sarawak (Sc#2139a), a middle-aged Wallace in 1869 (Sc#2139b), and in his later years from the portrait by Roger Remington in the Meeting Room of the Linnean Society of London (Sc#2139c).

Each of the three stamps show Wallace with a dinosaur in the background, a group of animals on which he did not publish.

Matters were set right on 3 March 2010, by the Royal Mail, the postal authority of Great Britain, when it issued a set of ten stamps, commemorating the 350th anniversary of the Royal Society. Arguably the world’s oldest scientific society, this issue chose carefully amongst the many luminaries that are counted among its members.

The set included Wallace for his contributions to the development of the theory of evolution through natural selection. Wallace’s portrait here was the same 1869 image used in the miniature sheet. All ten values are for 1st class postage within the country.



Alfred Russel Wallace (1823–1913)
St. Thomas & Prince, 2009, Sc#2139



Alfred Russel Wallace
GB, 2010, Sc#2752

To commemorate Wallace, a century after his passing the Universiti Malaysia Sarawak organized an international conference held at Kuching, Sarawak, Malaysia on 7–8 November 2013. Through Pos Malaysia's SetemKu program, a 30 sen stamp was issued with a label added showing Alfred Russel Wallace.

The label is se-tenant with a stamp that shows a bunga raya, or Chinese hibiscus (*Hibiscus rosa-sinensis*), Malaysia's national flower, and the "Jalur Gemilang," Malaysia's national flag, set over the Songket (a pattern of traditional woven fabric).



Hibiscus rosa-sinensis
Malaysia, 2013, not listed



Rhacophorus nigropalmatus
(with) Malaysia, 2012, Sc#1434a

Also released at the event was a 60 sen stamp se-tenant with a label showing Wallace's Flying Frog (*Rhacophorus nigropalmatus*). This image is from a woodcut that appears on page 60 of Wallace's popular travelogue, *The Malay Archipelago*, first published in 1869, and described as "one of the finest of travel books."

Wallace is far less often honored philatelically than Darwin, his great friend and colleague, and only in the last few decades have such accolades been given to this early explorer of Southeast Asia.

WALLACE'S GOLDEN BIRDWING

On 30 November 1991, Romania issued two MS of 12 stamps depicting butterflies. One sheet included a 3-lei stamp showing a butterfly originally described by Alfred Russel Wallace in 1859 and name Wallace's Golden Birdwing in his honor.

Ornithoptera croesus is found only east of the Wallace Line, a faunal boundary established by Wallace in 1859 that separates the ecozones of Asia and Australia.

The subject on the stamp is actually a subspecies described by C. & R. Felder in 1865, and found only on four islands in Malaysia.

Wallace described his capture of the butterfly in his book, *The Malay Archipelago*:

"The beauty and brilliancy of this insect are indescribable, and none but a naturalist can understand the intense excitement I experienced when I at length captured it. On taking it out of my net and opening the glorious wings, my heart began to beat violently, the blood rushed to my head, and I felt much more like fainting than I have done when in apprehension of immediate death. I had a headache the rest of the day, so great was the excitement produced by what will appear to most people a very inadequate cause."

This species is sexually dimorphic. The females are larger than males (shown on the stamps) and have brown wings marked with lines of yellow chevrons.



Ornithoptera croesus lydius
Romania, 1991, Sc#3696d

Ornithoptera croesus
Indonesia, 2007,
Sc#2125b



BOTANY

Editor

Christopher E. Dahle, BU1269



New Listings

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
ALGERIA 2014 January 29 (Flowers) (Set of 3)				
1608	15d	Arabian Starflower, <i>Ornithogalum arabicum</i>	Asparagaceae	Fl A
1609	20d	Southern Daisy, <i>Bellis sylvestris</i>	Asteraceae	Fl A
1910	30d	Field Marigold, <i>Calendula arvensis</i>	Asteraceae	Fl A
ARMENIA 2015 January 29 (Armenian Genocide centenary) (Sheet/14+1 label)				
1026–32		Forget-me-not on varied background, <i>Myositis sylvatica</i>	Boraginaceae	Fl A
ARUBA 2015 February 15 (Blue Flowers) (Set of 10)				
450	200c	Narrow-leaf Blue-eyed Grass, <i>Sisyrinchium angustifolium</i> (new)	Iridaceae	Fl A
451	200c	Pacific Lupine, <i>Lupinus lepidus</i>	Fabaceae	Fl A
452	200c	Lewis Flax, Blue Flax, Prairie Flax, <i>Linum lewisii</i>	Linaceae	Fl A
453	200c	Common Bluestar, <i>Amsonia tabernaemontana</i> (new)	Apocynaceae	Fl A
454	200c	Blue Dawn Flower, <i>Ipomoea indica</i> (=learii)	Convolvulaceae	Fl A
455	200c	Lignum-vitae, <i>Guaiacum officinale</i>	Zygophyllaceae	Fl A
456	200c	Blue Gentian, <i>Gentianopsis crinita</i> (new)	Gentianaceae	Fl A
457	200c	Bottle Gentian, <i>Gentiana andrewsii</i>	Gentianaceae	Fl A
458	200c	American Bellflower, <i>Campanula americana</i> (= <i>Campanulastrum americanum</i>)	Campanulaceae	Fl A
459	200c	Harebell, <i>Campanula rotundifolia</i>	Campanulaceae	Fl A
AUSTRIA 2015 June 15 (Children's Stamp Design Contest)				
B395	68c+20c	Cabbage, <i>Brassica oleracea</i>	Brassicaceae	V B
		Carrots, <i>Daucus carota</i>	Apiaceae	V B
		Pea, <i>Pisum sativum</i>	Fabaceae	V B
		Pear, <i>Pyrus communis</i>	Rosaceae	Fr B
		Orange, <i>Citrus sinensis</i>	Rutaceae	Fr B
		Banana, <i>Musa x paradisiaca</i>	Musaceae	Fr B
AUSTRALIA 2015 March 17 (Australian Trees) (Set of 4 & SS/4)				
4266	70c	Lemon-scented Gum Tree, <i>Corymbia citriodora</i> (new)	Myrtaceae	T A
4267	\$1.40	Queensland Bottle Tree, <i>Brachychiton rupestris</i> (new)	Malvaceae	T A
4268	\$2.10	Green Fig Tree, <i>Ficus rubiginosa</i>	Moraceae	T A
4269	\$2.10	Moonah Tree, Black Paperbark, <i>Melaleuca lanceolata</i>	Myrtaceae	T A
4269a		Horiz pair (Sc#4268–69)		
4269b		SS/4 (Sc#4266–69)		
2015 April 14 (WWI Centenary: Gallipoli) (Bklt/4, SS/5, & Bklt/10)				
4278–82	70c	Poppy, <i>Papaver rhoeas</i> (small with battle scene)	Papaveraceae	Fl B
4278a–82a		Each stamp in Bklt/4		
4282b		Horiz strip/5 (Sc#4278–82) (perf 14¼)		
4282c		SS/5 (Sc#4278–82) (perf 14¼)		
4283–87	70c	Poppy, <i>Papaver rhoeas</i> (small with battle scene) (s/a)	Papaveraceae	Fl B
4287a		Bklt/10 (2ea Sc#4283–87) (die cut 11¼) (s/a)		

BELARUS**2015 May 13** (Eurasian Economic Union)939 (10500r) Wheat, *Triticum aestivum* Poaceae Fr B**2015 May 29** (Natl. Academy of Sciences Botanical Garden)(Set/4 & SS/4)940 (7800r) Elbrus Mock Orange, *Philadelphus* 'Elbrus' Hydrangeaceae Fl A941 (7800r) Vera Horuzhaya Lilac, *Syringa* 'Vera Horuzhaya' Lauraceae Fl A942 (7800r) Mountain Peony, Chinese Peony, *Paeonia suffruticosa* Paeoniaceae Fl A943 (7800r) Akademik Smolskiy Rhododendron, *Rhododendron* 'Akademik Smolskiy' Ericaceae Fl A**BELGIUM****2015 January 26** (Fruit Emojis) (Bklt/10) (s/a)2738 (72c) Orange, *Citrus sinensis* Rutaceae Fr A S2739 (72c) Strawberry, *Fragaria x ananassa* Rosaceae Fr A S

2744a Bklt/10 (Sc#2735–44)

2015 June 29 (Fruit) (MS/10)2766a (72c) Cranberries, *Vaccinium oxycoccos* Ericaceae Fr A MS2766b (72c) Black Mulberries, *Morus nigra* Moraceae Fr A MS2766c (72c) Peaches, *Prunus persica* Rosaceae Fr A MS2766d (72c) Quinces, *Cydonia oblonga* Rosaceae Fr A MS2766e (72c) Gooseberry, *Ribes uva-crispa* Grossulariaceae Fr A MS2766f (72c) Loganberries, *Rubus x loganobaccus* Rosaceae Fr A MS2766g (72c) Wild Strawberries, *Fragaria vesca* Rosaceae Fr A MS2766h (72c) European Blueberries, *Vaccinium myrtillus* Ericaceae Fr A MS2766i (72c) Medlars, *Mespilus germanica* Rosaceae Fr A MS2766j (72c) Apples, *Malus x domestica* Rosaceae Fr A MS**BERMUDA****2014 December 11** (Roses) (2ea Horiz strip/5 & Bklt/10)1084a (70c) Yellow flower, *Rosa x hybrida* Rosaceae Fl A1084b (70c) Pink flower, *Rosa x hybrida* Rosaceae Fl A1084c (70c) Yellow flower, *Rosa x hybrida* Rosaceae Fl A1084d (70c) White flower, *Rosa x hybrida* Rosaceae Fl A1084e (70c) Pink flower, *Rosa x hybrida* Rosaceae Fl A1085a (70c) Orange flower, *Rosa x hybrida* Rosaceae Fl A1085b (70c) Pink flower, *Rosa x hybrida* Rosaceae Fl A1085c (70c) White flower, *Rosa x hybrida* Rosaceae Fl A1085d (70c) Yellow flower, *Rosa x hybrida* Rosaceae Fl A1085e (70c) Pink flower, *Rosa x hybrida* Rosaceae Fl A

1085f Bklt/10 (Sc#1084a–e & Sc#1085a–e)

2015 January 15 (Charlotte Lefroy Botanical ptg.)(2ea Strip/5 & Bklt/10)1086a (85c) Clematis, *Clematis* sp. Ranunculaceae Fl A1086b (85c) Magnolia, *Magnolia grandiflora* Magnoliaceae Fl A1086c (85c) Spider Flower, *Cleome speciosa* Cleomaceae Fl A1086d (85c) Chinese Hibiscus, *Hibiscus rosa-sinensis* Malvaceae Fl A1086e (85c) Red Plumeria, *Plumeria rubra* Apocynaceae Fl A1087a (85c) Butterfly Pea, Blue Pea, *Clitoria ternatea* Fabaceae Fl A1087b (85c) Musky-smelling Dendrobium, *Dendrobium moschatum* Orchidaceae Fl A1087c (85c) Passion Flower, *Passiflora edulis* Passifloraceae Fl A1087d (85c) Barbados Gooseberry, *Pereskia aculeata* Cactaceae Fl ALeaf Cactus, *Pereskia bleo* Cactaceae Fl A1087e (85c) Chili Pepper, *Capsicum baccatum* Solanaceae Fl A

1087f Bklt/10 (Sc#1086a–e & Sc#1087a–e)

BHUTAN		2014 May 10 (Flora & Fauna of Bhutan) (Vert pair & MS/8)		
1491a	10nu	Sikkim Rhubarb, <i>Rheum nobile</i>	Polygonaceae	Fl A
1492a	20nu	<i>Melastoma</i> sp.	Melastomaceae	Fl A MS
1492c	20nu	<i>Primula</i> sp.	Primulaceae	Fl A MS
1492f	20nu	<i>Michelia</i> sp.	Magnoliaceae	Fl A MS
1492h	20nu	<i>Geranium</i> sp.	Geraniaceae	Fl A MS
		2014 June 15 (Wild Flowers of Bhutan) (Single, MS/4, & MS/9)		
1494	10nu	<i>Primula sikkimensis</i>	Primulaceae	Fl A
1495a	10nu	<i>Clematis fongulensis</i>	Ranunculaceae	Fl A MS
1495b	10nu	<i>Iris goniocarpa</i>	Iridaceae	Fl A MS
1495c	10nu	<i>Ranunculus kamchaticus</i> (= <i>Oxygraphis glacialis</i>)	Ranunculaceae	Fl A MS
1495d	10nu	<i>Rosa macrophylla</i>	Rosaceae	Fl A MS
1496a	20nu	<i>Primula griffithii</i>	Primulaceae	Fl A MS
1496b	20nu	<i>Beaumontia grandiflora</i>	Apocynaceae	Fl A MS
1496c	20nu	<i>Roscoea alpina</i> (new)	Zingiberaceae	Fl A MS
1496d	20nu	<i>Gagea</i> (= <i>Lloydia</i>) <i>flavonutans</i>	Liliaceae	Fl A MS
1496e	20nu	<i>Barleria strigosa</i>	Acanthaceae	Fl A MS
1496f	20nu	<i>Primula spathulifolia</i>	Primulaceae	Fl A MS
1496g	20nu	<i>Curcuma aromatica</i>	Zingiberaceae	Fl A MS
1496h	20nu	<i>Rhododendron bhutanense</i>	Ericaceae	Fl A MS
1496i	20nu	<i>Saxifraga hirculus</i>	Saxifragaceae	Fl A MS
BOSNIA & HERZEGOVINA (Serb Admin)		2014 September 10 (Apple Varieties) (Horiz strip/4)		
510a	90pf	Prijedorska, <i>Malus x domestica</i> 'Prijedorska'	Rosaceae	Fr A
510b	90pf	Ilinjaca, <i>Malus x domestica</i> 'Ilinjaca'	Rosaceae	Fr A
510c	90pf	Bjelica, <i>Malus x domestica</i> 'Bjelica'	Rosaceae	Fr A
510d	90pf	Krompirusa, <i>Malus x domestica</i> 'Krompirusa'	Rosaceae	Fr A
BULGARIA		2015 May 7 (Ecology & Forestry) (SS/1)		
4719	SS 1L	Stylized trees (also in margin)		T A S
CAPE VERDE		2014 October 9 (Corn Processing) (Set of 3)		
1001	60e	<i>Zea mays</i> (pounding meal)	Poaceae	Fr V B
1002	60e	<i>Zea mays</i> (harvesting)	Poaceae	Fr V B
1003	60e	<i>Zea mays</i> (cooking)	Poaceae	Fr V B
CAYMAN ISLANDS		2014 November 15 (Christmas) (Set of 3) (perf 13¾)		
1151–53	25c	Poinsettia, <i>Euphorbia pulcherrima</i> (with church & ornaments)	Euphorbiaceae	Fl B
		2014 November 15 (Christmas) (Bklt/12)		
1154–56	25c	Poinsettia, <i>Euphorbia pulcherrima</i> (with church & ornaments)	Euphorbiaceae	Fl B
1156a		Bklt/12 (Sc#1154–56) (die cut 14×15¼) (s/a)		
CHINA (Taiwan)		2015 January 28 (Legumes) (Set of 4)		
4218	\$5	Peanuts, <i>Arachis hypogea</i>	Fabaceae	Fr A
4219	\$7	Adzuki beans, <i>Vigna angularis</i>	Fabaceae	Fr A
4220	\$10	Soybeans, <i>Glycine max</i>	Fabaceae	Fr A
4221	\$25	Mung beans, <i>Vigna radiata</i>	Fabaceae	Fr A
CUBA		2014 December 15 (Protected Flora & Fauna) (Set of 6)		
5600	10c	<i>Pereskia zinniiflora</i>	Cactaceae	Fl A
5602	75c	<i>Tetramicra eulophiae</i> (new)	Orchidaceae	Fl A
5604	90c	<i>Bonnetia cubensis</i> (new)	Bonnetiaceae	Fl A

CYPRUS		2015 April 2 (Preserved Fruit) (Set of 3)		
1233	34c	Bitter Orange, <i>Citrus x aurantium</i>	Rutaceae	Fr A
1234	41c	Bitter Orange, <i>Citrus x aurantium</i>	Rutaceae	Fr A
1235	€1.88	Cherry, <i>Prunus cerasus</i>	Rosaceae	Fr A
GERMANY		2014, June 5 (Ancient Beech Forests Type of 2014) (coil, die cut 10¼)		
2788	145c	Beech, <i>Fagus sylvatica</i>	Fagaceae	T A
GHANA		2012 February 28 (Fruits & Vegetables Type of 2012)		
2727	3ce	Avocados, <i>Persea americana</i>	Lauraceae	Fr A
ISRAEL		2015 April 14 (Memorial Day)		
2054	2.20s	Wheat, <i>Triticum aestivum</i>	Poaceae	Fr B
		2015 June 16 (Vegetables) (Strip/5 & Bklt/20)		
2068a	(2.20s)	Carrots, <i>Daucus carota</i>	Apiaceae	V A
2068b	(2.20s)	Purple cabbage, <i>Brassica oleracea</i>	Brassicaceae	V A
2068c	(2.20s)	Lettuce, <i>Lactuca sativa</i>	Asteraceae	V A
2068d	(2.20s)	Onions, <i>Allium cepa</i>	Amaryllidaceae	V A
2068e	(2.20s)	Tomatoes, <i>Lycopersicon esculentum</i>	Solanaceae	Fr A
2068		Horiz strip/5 (Sc#2068a–e) (perf 14)		
2069–73		Designs as above		
2073a		Bklt/20 (4ea Sc#2069–73) (die cut 13¼×14¼) (s/a)		
ITALY		2014 November 22 (Regional Wine Grapes & Vineyards Type of 2012)		
3270a	80c	Barbaresco, <i>Vitis vinifera</i>	Vitaceae	Fr A
3270b	80c	Castel del Monte Nero di Troia Riserva, <i>Vitis vinifera</i>	Vitaceae	Fr A
3270c	80c	Chianti, <i>Vitis vinifera</i>	Vitaceae	Fr A
3270d	80c	Fior d'Arancio Cioli Euganei, <i>Vitis vinifera</i>	Vitaceae	Fr A
3270e	80c	Franciacorta, <i>Vitis vinifera</i>	Vitaceae	Fr A
3270f	80c	Frascati Superiore, <i>Vitis vinifera</i>	Vitaceae	Fr A
3270g	80c	Gattinara, <i>Vitis vinifera</i>	Vitaceae	Fr A
3270h	80c	Manalotte del Piave, <i>Vitis vinifera</i>	Vitaceae	Fr A
3270i	80c	Offida, <i>Vitis vinifera</i>	Vitaceae	Fr A
3270j	80c	Reciotto di Soave, <i>Vitis vinifera</i>	Vitaceae	Fr A
3270k	80c	Rosazzo, <i>Vitis vinifera</i>	Vitaceae	Fr A
3270l	80c	Ruche di Castagniole Monferrato, <i>Vitis vinifera</i>	Vitaceae	Fr A
3270m	80c	Taurasi, <i>Vitis vinifera</i>	Vitaceae	Fr A
3270n	80c	Val di Cornia Rosso, <i>Vitis vinifera</i>	Vitaceae	Fr A
3270o	80c	Vernaccia di San Gimignano, <i>Vitis vinifera</i>	Vitaceae	Fr A
3270		MS/15 (Sc#327a–o) (s/a)		
KAZAKHSTAN		2015 January 12 (Naurzum Nature Reserve) (SS/3)		
735a–c	200te	Dwarf White Waterlily, <i>Nymphaea candida</i> (also in margin)	Nymphaeaceae	Fl A MS
KOSOVO		2014 June 12 (Flowers Type of 2014) (SS/1)		
258	SS €2	U/I red flowers		Fl U A
KYRGYZSTAN EXPRESS POST		2015 September 2 (International Year of Soils) (Set of 2)		
13	50s	Cotton Boll, <i>Gossypium hirsutum</i>	Malvaceae	Fr B
14a		Vert pair (Sc#13–14)		
LIECHTENSTEIN		2015 June 1 (Flower Type of 2012) (see <i>Plants on Stamps</i> , Vol. V)		
1643	85rp	Devil's-bit, Devil's-bit Scabious, <i>Succisa pratensis</i>	Caprifoliaceae	Fl A
1644	100rp	Great Masterwort, <i>Astrantia major</i>	Apiaceae	Fl A
1645	130rp	Marguerite Daisy, <i>Leucanthemum vulgare</i>	Asteraceae	Fl A

MACEDONIA		2013 December 28 (Vegetables) (Set of 2)			
643	8d	Tomatoes, <i>Lycopersicon esculentum</i>	Solanaceae	Fr	A
644	10d	Eggplants, <i>Solanum melongena</i>	Solanaceae	Fr	A
NEW CALEDONIA		2015 March 19 (Flower)			
1192	120fr	<i>Pittosporum taniaum</i>	Pittosporaceae	Fl	A
NIUE		2015 June 3 (Flora) (Set of 4 & SS/4)			
920	30c	Sea Hibiscus, <i>Hibiscus tiliaceus</i>	Malvaceae	Fl	A
921	\$1.40	Perfume Flower Tree, <i>Fagraea berteroa</i>	Gentianaceae	Fl	A
922	\$2	Toi, <i>Alphitonia zizyphoides</i> (new)	Rhamnaceae	Fl	A
923	\$4	Cabbage Palm, Ti Plant, <i>Cordyline fruticosa</i>	Asparagaceae	Fl	A
923a		SS/4 (Sc#920–23)			
PARAGUAY		2014 March 7 (Campaign Against Violence Towards Women)			
2991	700g	White Rose, <i>Rosa x hybrida</i>	Rosaceae	Fl	A
		2014 November 21 (Spanish Academy 300th anniv.)			
3010	11000g	U/I Flowers		Fl	A U
POLAND		2015 May 28 (Expo 2015, Milan) (SS/1)			
4172	SS 5.20z	Apple, <i>Malus domestica</i>	Rosaceae	Fr	A SS
	Margin	UL: Blackberry, <i>Rubus plicatus</i>	Rosaceae	Fr	SS Z
		Top: Strawberry, <i>Fragaria x ananassa</i>	Rosaceae	Fr	SS Z
		MR: Gooseberry <i>Ribes uva-crispa</i>	Grossulariaceae	Fr	SS Z
		LL: Raspberry, <i>Rubus idaeus</i>	Rosaceae	Fr	SS Z
		Bot: Blueberry, <i>Vaccinium myrtillus</i>	Ericaceae	Fr	SS Z
		LR: Black Currant, <i>Ribes nigra</i>	Grossulariaceae	Fr	SS Z
SOLOMON ISLANDS		2013 March 29 (Paintings by Various Artists) (MS/4 & SS/1)			
1238d	\$7	Ptg by Bernard: "Still Life with Flowers," <i>Tulipa x hybrida</i>	Liliaceae	Fl	B MS
1242a	\$7	Ptg by Cézanne: "Still Life with Drapery, Pitcher and Fruit Bowl,"			
		Apple, <i>Malus x domestica</i>	Rosaceae	Fr	B MS
		European Pear, <i>Pyrus communis</i>	Rosaceae	Fr	B MS
		Lemon, <i>Citrus limon</i>	Rutaceae	Fr	B MS
1245c	\$7	Ptg by Gauguin: "Still Life with Teapot and Fruit,"		Fr	B MS
		Mango, <i>Mangifera indica</i>	Anacardiaceae	Fr	B MS
1252c	\$7	Ptg by Renoir: "Apples in a Dish," <i>Malus x domestica</i>	Rosaceae	Fr	A MS
1253b	\$7	Ptg by Sérusier: "Still Life with Violets,"			
		Apple, <i>Malus x domestica</i>	Rosaceae	Fr	A MS
		Violets, <i>Viola</i> sp.	Violaceae	Fl	A MS
1283	SS \$35	Ptg by Van Gogh: "Vase with Twelve Sunflowers,"			
		Sunflowers, <i>Helianthus annuus</i>	Asteraceae	Fl	A SS
		2013 November 22 (Bees & Flowers) (MS/4 & SS/1)			
1430a	\$7	Red-and-green kangaroo paw, <i>Anigozanthos manglesii</i>	Haemodoraceae	Fl	B MS
1430b	\$7	Scarlet banksia, <i>Banksia coccinea</i>	Proteaceae	Fl	B MS
1430c	\$7	Royal Bluebell, <i>Wahlenbergia gloriosa</i>	Campanulaceae	Fl	B MS
1430d	\$7	Sturt's Desert Rose, <i>Gossypium sturtianum</i>	Malvaceae	Fl	B MS
1448	SS \$35	Sturt's Desert Pea, <i>Swainsona formosa</i>	Fabaceae	Fl	B SS
	Margin	LR: Waratah, <i>Telopea speciosissima</i>	Proteaceae	Fl	Z SS

SOLOMON ISLANDS (continued) 2013 November 22 (Butterflies & Orchids) (MS/4 & SS/1)				
1431a	\$7	<i>Miltonia x binotti</i>	Orchidaceae	FI B MS
1431b	\$7	<i>Lepanthes discolor</i>	Orchidaceae	FI B MS
1431c	\$7	<i>Coelogyne usitata</i>	Orchidaceae	FI B MS
1431d	\$7	<i>Lepanthes gargantua</i>	Orchidaceae	FI B MS
1449	SS \$35	<i>Telipogon caulescens (new)</i>	Orchidaceae	FI B SS
	Margin	LL: <i>Phragmipedium besseae</i>	Orchidaceae	FI Z SS
		UR: <i>Sobennikoffia robusta</i>	Orchidaceae	FI Z SS
2014 August 25 (World of Orchids, supposedly) (MS/4 & SS/1)				
1627a	\$7	<i>Phalaenopsis</i> sp.	Orchidaceae	FI A MS
1627b	\$7	Toad Lily, <i>Tricyrtis hirta</i>	Liliaceae	FI A MS
1627c	\$7	Wydlar's Dancing-lady Orchid, <i>Oncidium altissimum</i>	Orchidaceae	FI A MS
1627d	\$7	Bumblebee Orchid, <i>Ophrys bombyliflora</i>	Orchidaceae	FI A MS
1627	Margin	LL: <i>Phalaenopsis</i> sp.	Orchidaceae	FI Z MS
		LR: <i>Vanilla pompona</i>	Orchidaceae	FI Z MS
1645	SS \$35	<i>Phalaenopsis</i> sp.	Orchidaceae	FI A SS
	Margin	L: <i>Serapias cordigera</i>	Orchidaceae	FI Z SS
		Bot: <i>Cymbidium</i> sp.	Orchidaceae	FI Z SS
		R: <i>Oncidium cebolleta</i>	Orchidaceae	FI Z SS
2014 November 28 (Orchids) (MS/4 & SS/1)				
1701a	\$7	<i>Phalaenopsis</i> sp.	Orchidaceae	FI A MS
1701b	\$7	<i>Paphiopedilum gratixianum</i>	Orchidaceae	FI A MS
1701c	\$7	<i>Zygopetalum crinitum</i>	Orchidaceae	FI A MS
1701d	\$7	<i>Cattleya</i> hybrid	Orchidaceae	FI A MS
1701	Margin	L: <i>Cymbidium</i> sp.	Orchidaceae	FI Z MS
1721	SS \$35	<i>Miltonia</i> hybrid	Orchidaceae	FI A SS
	Margin	L: <i>Cymbidium</i> sp.	Orchidaceae	FI Z SS
SURINAM 2015 July 15 (Flowers) (Block/12)				
1486a	\$2.25	Orchid Tree, Camel's Foot, <i>Bauhinia purpurea</i>	Fabaceae	FI A
1486b	\$2.75	Madagascar Periwinkle, <i>Catharanthus roseus</i>	Apocynaceae	FI A
1486c	\$3.25	Cannonball Tree, <i>Couroupita guianensis</i>	Lecythidaceae	FI A
1486d	\$3.75	Red-sage, Wild-sage, <i>Lantana camara</i>	Verbenaceae	FI A
1486e	\$4.25	Angel's Trumpet, <i>Datura x candida</i>	Solanaceae	FI A
1486f	\$4.75	Passion Flower, <i>Passiflora</i> sp.	Passifloraceae	FI A
1486g	\$5.25	Poinsettia, <i>Euphorbia pulcherrima</i>	Euphorbiaceae	FI A
1486h	\$5.75	Cup of Gold Vine, <i>Solandra maxima (=nitida) (new)</i>	Solanaceae	FI A
1486i	\$6.25	Oleander, <i>Nerium oleander</i>	Apocynaceae	FI A
1486j	\$6.75	Bird-of-paradise, <i>Strelitzia reginae</i>	Strelitziaceae	FI A
1486k	\$7.25	Pomegranate, <i>Punica granatum</i>	Punicaceae	FI A
1486l	\$7.75	Bengal Clockvine, <i>Thunbergia grandiflora</i>	Acanthaceae	FI A
THAILAND 2013 December 5 (Jasmine)				
2793	3b	King Bhumibol's Jasmine, <i>Jasminum bhumibolianim</i>	Oleaceae	FI A
2014 November 14 (New Year's) (Set of 8)				
2826	3b	Stylized Daisies (on balloons)	Asteraceae	FI B S
2827	3b	Roses, <i>Rosa</i> sp. (in hair)	Rosaceae	FI A
2828	3b	UL: Fuchsias, <i>Fuchsia</i> sp.	Onagraceae	FI B
		LL: Daisies	Asteraceae	FI B U
		LR: Waterlily, <i>Nymphaea</i> sp. (as dress)	Nymphaeaceae	FI B S
2829	3b	Stylized Orchid (as musical instrument)	Orchidaceae	FI S

THAILAND (continued)

2830	3b	Petunia, <i>Petunia</i> sp. (as dress)	Solanaceae	Fl B
		Daisy (as parasol)	Asteraceae	Fl B
2831	15b	L: Rose, <i>Rosa</i> sp. (as tutu)	Rosaceae	Fl B
		R: Carnation, <i>Dianthus caryophyllus</i> (as tutu)	Caryophyllaceae	Fl B
2832	15b	Stylized Daisy, <i>Gerbera x hybrida</i> (as face)	Asteraceae	Fl A S
2833	15b	Flower delivery, <i>Helianthus annuus</i>	Asteraceae	Fl A

UKRAINE**2014 December 19** (Flora & Fauna in Winter) (MS/4)

995a	2h	Rose hips, <i>Rosa</i> sp.	Rosaceae	Fr B MS Z
995b	2h	Spruce cones, <i>Picea</i> sp.	Pinaceae	Fr B MS Z
995d	3.30h	<i>Viburnum opulus</i>	Caprifoliaceae	Fr A MS

2014 December 22 (Leaves & Fruit Type 2012)(see *Plants on Stamps-V*)

996	2h	English Oak, <i>Quercus robur</i>	Fagaceae	Fr V A
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UNITED STATES**2015 July 11** (Summer Harvest) (Bklt/4)

5004	(49c)	Watermelon, <i>Citrullus lanatus</i>	Cucurbitaceae	Fr A
5005	(49c)	Sweet corn, <i>Zea mays</i>	Poaceae	Fr A
5006	(49c)	Cantaloupes, <i>Cucumis melo</i>	Cucurbitaceae	Fr A
5007	(49c)	Tomatoes, <i>Lycopersicon esculentum</i>	Solanaceae	Fr A
5007a		Bklt/4 (Sc#5004–07) (s/a)		
5007b		Bklt/20 (5ea Sc#5004–07) (s/a)		

URUGUAY**2015 April 15** (Armenian Genocide Centenary) (SS/1)

2506	SS 50p	Forget-me-not, <i>Myosotis sylvatica</i>	Boraginaceae	Fl B MS
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Flora
&
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BOTANICAL ART STAMPS

The Botanical Art stamp First-Day-of-Issue ceremony will take place 29 January 2016, at 11:00 AM at the American Philatelic Society's AmeriStamp/Southeastern Stamp Expo. The show will be held at the Hilton Atlanta, 255 Courtland Street NE, Atlanta, Georgia. The room for the ceremony will be announced at a later date.

The U.S. Postal Service continues its tradition of beautiful floral-themed stamps with Botanical Art, a booklet of 20 stamps featuring vintage illustrations taken from 19th- and early-20th-century plant and seed catalogs.



Beginning in the late 15th century, intrepid Europeans explored new lands in the Americas, the South Pacific, and other areas of the world. There they discovered plants unknown in Europe, which they imported for study and propagation. Scientists, gardeners, plant hunters, and collectors required accurate botanical drawings of the exotic new species.

Botanical illustrators produced works that were meticulous and highly detailed and quite often beautiful pieces of art as well. The years 1750 to 1850 are considered the height of the botanical illustrator's art.

The mid-19th century saw a flowering of another kind of botanical art. As more people discovered the joys of ornamental and recreational gardening, thriving commercial greenhouses and nurseries marketed plants—exotic as well as native—to eager gardeners.



To entice buyers, the nurseries created colorful catalogs illustrated with beautiful blossoms and lush foliage. The illustrations were idealized, romantic versions of what plants could look like, but they fueled many a garden dream.

The stamp art features ten individual designs, each a detail of an illustration from an American nursery catalog printed between 1891 and 1912. The catalogs are part of The New York Botanical Garden's Nursery and Seed Catalog Collection, one of the largest and most important collections in the U.S.

The NYBG collection and similar collections in other institutions are treasure troves of historical information for scholars and scientists studying a wide range of subjects, including the history of botany, horticulture, commercial agriculture, landscape design, plant exploration, graphic arts, and publishing.

The artists responsible for the work seen on early nursery catalogs are mostly unknown to us now, but their captivating work lives on.

Art director Ethel Kessler of Bethesda, Maryland, designed the stamps.

2013 November 22 (Australian Mushrooms) (MS/4 & SS/1)

1435a	\$7	Yellow-footed Polypore, <i>Microporus xanthopus</i>	Polyporaceae	A*
1435b	\$7	[no common name], <i>Cortinarius archeri</i>	Cortinariaceae	A*
1435c	\$7	Elegant Blue Webcap, <i>Cortinarius rotundisporus</i>	Cortinariaceae	A*
1435d	\$7	Turkey Tail Mushroom, <i>Trametes versicolor</i>	Polyporaceae	A*
1453	SS \$35	Green Dermocybe, <i>Cortinarius (=Dermocybe) austroveneta</i>	Cortinariaceae	A*
	Margin	LL: Anemone Stinkhorn, <i>Aseroe rubra</i>	Phallaceae	Z*
		LR: Redlead Roundhead, <i>Leratiomyces ceres</i> ♀	Strophariaceae	Z*
		UR: [no common name], <i>Bolbitius tibubans (=vitellinus)</i>	Bolbitiaceae	Z*

2014 August 25 (World of Mushrooms) (MS/4 & SS/1)

1626a	\$7	Honey Fungus, <i>Armillaria mellea</i>	Physalacriaceae	A*
1626b	\$7	Cinnabar Polypore, <i>Pycnoporus cinnabarinus</i> (also in margin)	Polyporaceae	A*
1626c	\$7	Lurid Boletus, <i>Suillellus (=Boletus) luridus</i>	Boletaceae	A*
1626d	\$7	Lawyer's Wig, <i>Coprinus comatus</i>	Agaricaceae	A*
1626	Margin	LL: Rough-stemmed Bolete, <i>Leccinum scabrum</i>	Boletaceae	Z*
		LR: Lawyer's Wig, <i>Coprinus comatus</i>	Agaricaceae	Z*
1644	SS \$35	Fly Agaric, <i>Amanita muscaria</i>	Amanitaceae	A*
	Margin	LL: Chanterelle, <i>Cantharellus cibarius</i>	Cantharellaceae	Z*
		LL: Bare-toothed Russula, <i>Russula vesca</i>	Russulaceae	Z*
		Bot: Red-capped Scaber Stalk, <i>Leccinum aurantiacum</i>	Boletaceae	Z*
		LR: oyster mushroom, <i>Pleurotus ostreatus</i>	Pleurotaceae	Z*

2014 November 28 (Edible Mushrooms) (MS/4 & SS/1)

1702a	\$7	Cep, Penny Bun, <i>Boletus edulis</i>	Boletaceae	A*
1702b	\$7	Orange Birch Bolete, <i>Leccinum versipelle</i>	Boletaceae	A*
1702c	\$7	Dawn Brittlegill Mushroom, <i>Russula aurora</i>	Russulaceae	A*
1702d	\$7	Rough stemmed Bolete, <i>Leccinum scabrum</i>	Boletaceae	A*
1702	Margin	LL: Cep, Penny Bun, <i>Boletus edulis</i>	Boletaceae	Z*
1722	SS \$35	Red cracking bolete, <i>Xerocomus chrysenteron</i>	Boletaceae	A*
	Margin	L: Common Morel, <i>Morchella esculenta</i>	Morchellaceae	Z*

Found in Scott Catalogue (not previously reported)

Last summer I finally bit the bullet and replaced my 2001 Scott Catalogue set with a brand new (then) 2015 set. And as a result, over the past several months I have spent time reviewing my data for the three stamp topics in which I have more than a passing interest (mushrooms, trees, and soccer).

And, unfortunately I found several items that I do not believe were reported in this column. The following listing includes items in the several categories I generally report in this listing: fungi, lichens, mycologists, and look-alikes that are not fungi. As always, this is simply information for the sake of "completeness." Pick and choose whatever of it applies to your own collecting interest.

Fungi**MICRONESIA****2004 November 1** (Flowers of the Pacific) (MS/6)

[Ed. note: *Micronesia 609f*: This stamp is labeled *Microporus xanthopus* (a polypore), but it clearly is a flower, not a fungus. I checked Chris Dahle's latest flower handbook and he only lists 609a-e. It may be that he was going by the name without seeing the stamp.]

Lichens**BRAZIL****2008 October 10** (Birds) (Set of 2)

3060 1.40r U/I Lichens (on branch with owl & moon) B U

BRITISH ANTARCTIC TERR.**1998 November 30** (Birds of the Antarctic) (Set of 12)

263 1p Stylized lichens (on rocks under a bird) B S

Mycologists

ASCENSION		2009 September 7 (Botany) (Set of 6)	
980	90p	Joseph Dalton Hooker (1817–1911), Botanist & Mycologist	R
DAHOMY		1972 November 30 (Louis Pasteur Birth Sesquicentennial)	
C173	100fr	Louis Pasteur (1822–1895), Microbiologist & Mycologist (see also Benin C344 & C622)	R
GABON		1972 May 15 (Louis Pasteur Birth Sesquicentennial)	
290	80fr	Louis Pasteur (1822–1895), Microbiologist & Mycologist	R
GHANA		1982 August 9 (Tuberculosis Bacillus Centenary) (Set of 5)	
813	65p	Robert Koch (1843–1910), Bacteriologist & Mycologist	R
814	80p	Robert Koch (in Africa)	R
816	2ce	Robert Koch (1905 Nobel medal)	R
NEW CALEDONIA		1988 September 28 (Noumea Pasteur Institute Centenary)	
601	100fr	Louis Pasteur (1822–1895), Microbiologist & Mycologist	R
PHILIPPINES		1982 December 7 (Tuberculosis Bacillus Centenary) (Set of 2)	
1614	40s	Robert Koch (1843–1910), Bacteriologist & Mycologist	R
1615	2.80p	Robert Koch	R
RUSSIA		1962 June 30 (Invention of Sterilization Centenary)	
2608	6k	Louis Pasteur (1822–1895), Microbiologist & Mycologist	R
RWANDA		1982 November 11 (Tuberculosis Bacillus Centenary)	
1106	100fr	Robert Koch (1843–1910), Bacteriologist & Mycologist	R

Look-alikes

BULGARIA		1982 July 15 (Nuclear Disarmament)	
2849	13s	Stylized atomic mushroom cloud	X
MALAYSIA		1992 December 21 (Coral) (Strip/5 & SS/1)	
471a	30c	<i>Acropora</i> (appears as a member of the Clavariaceae)	X
471b	30c	<i>Dendronephthya</i> (appears as a member of the Clavariaceae)	X
471d	30c	<i>Sinularia</i> (appears as a member of the Clavariaceae)	X
472	30c	<i>Melithaea</i> (appears as a member of the Clavariaceae)	X
NEW CALEDONIA		1987 June 24 (Seashells) (Set of 2)	
560	28fr	Seashell (<i>Cypraea moneta</i>) (looks like <i>Ganoderma lucidum</i> fruiting body)	X
NIUE		2002 November 7 (Giant Clam-WWF) (Horiz strip/4 & SS/4)	
769Ab	50c	Clam shells (appear to be a bracket fungus looked at from above)	X

An interesting item for review

TRINIDAD & TOBAGO **2005 May 18** (Medicinal Herbs) (Set of 10)
 An interesting bit of confusion: Sc#752, captioned “Worm Grass,” does not depict *Ophiocordyceps sinensis* (Berk.) G.H. Sung, J.M. Sung, Hywel-Jones, & Spatafora (syn. *Cordyceps sinensis* [Berk.] Sacc.), which is a fungus, or members of the ghost moth (*Thitarodes* Viette) complex that predominate Wiki “hits.” It is a medicinal herb (*Dysphania ambrosioides* [L.] Mosyakin & Clemants) and as such, it is not relevant to fungi on stamps.

And one quick note regarding Afghanistan Sc#1416 as illustrated in Scott’s 2015 Catalogue: The illustration given for type A554 is wrong for the stamp with which it is placed. This illustration applies to the set of mushroom stamps listed as “false stamps” under the heading “Dated 1998” on the previous page in the catalog. Afghanistan Sc#1416 is **not** a mushroom related stamp.

KENYA (continued)

871i	110sh	Grevy's Zebra, <i>Equus grevyi</i>	Equidae	A*
871j	110sh	Common Warthog, <i>Phacochoerus africanus</i>	Suidae	A*
871k	110sh	Blue Wildebeest, <i>Connochaetes taurinus</i>	Bovidae	A*
871l	110sh	Bongo, <i>Tragelaphus eurycerus</i>	Bovidae	A*
871m	110sh	Impala, <i>Aepyceros melampus</i>	Bovidae	A*
871n	110sh	Spotted Hyena, <i>Crocuta crocuta</i>	Hyaenidae	A*
871o	110sh	Black-backed Jackal, <i>Canis mesomelas</i>	Canidae	A*
871s	110sh	Mantled Guereza, <i>Colobus guereza</i>	Cercopithecidae	A*

MARSHALL ISLANDS**2013 April 13** (Marine Life) (MS/15)

1113d	49c	Commerson's Dolphin, <i>Cephalorhynchus commersonii</i>	Delphinidae	A
1113e	49c	Humpback Whale, <i>Megaptera novaeangliae</i>	Balaenopteridae	A
1113g	49c	Peale's Dolphin, <i>Lagenorhynchus australis</i>	Delphinidae	A
1113i	49c	Bowhead Whale, <i>Balaena mysticetus</i>	Balaenidae	A
1113m	49c	Common Bottlenose Dolphin, <i>Tursiops truncatus</i>	Delphinidae	A
1113n	49c	Blue Whale, <i>Balaenoptera musculus</i>	Balaenopteridae	A

SOLOMON ISLANDS**2013 February 15** (Solomon Islands Fauna) (MS/4)

1192a	\$5	Risso's Dolphin, <i>Grampus griseus</i>	Delphinidae	A*
1192b	\$5	Pantropical Spotted Dolphin, <i>Stenella attenuata</i>	Delphinidae	A*
1192c	\$5	Humpback Whale, <i>Megaptera novaeangliae</i>	Balaenopteridae	A*
1192d	\$5	Dugong, <i>Dugong dugon</i>	Dugongidae	A*
1192	Margin	LR: Humpback Whale, <i>Megaptera novaeangliae</i>	Balaenopteridae	Z*

SOLOMON ISLANDS**2013 May 3** (Towards Australia 2013) (MS/4 & SS/1)

1293a	\$7	Greater Bilby, <i>Macrotis lagotis</i>	Thylacomyidae	A*
1293b	\$7	Red Kangaroo, <i>Macropus rufus</i>	Macropodidae	A*
1293c	\$7	Sugar Glider, <i>Petaurus breviceps</i>	Petauridae	A*
1293d	\$7	Dingo, <i>Canis lupus dingo</i>	Canidae	A*
1293	Margin	UL & UR: Greater Bilby, <i>Macrotis lagotis</i>	Thylacomyidae	Z*
		LL: Red Kangaroo, <i>Macropus rufus</i>	Macropodidae	Z*
		UR: Red Kangaroo, <i>Macropus rufus</i> (s-o-s)	Macropodidae	Z*
		LR: Dingo, <i>Canis lupus dingo</i>	Canidae	Z*
1305	SS \$20	Koala, <i>Phascolarctos cinereus</i>	Phascolarctidae	A*
	Margin	UL, LL, LR: Koala, <i>Phascolarctos cinereus</i>	Phascolarctidae	Z*

SOLOMON ISLANDS**2013 May 10** (Australian Fauna: Tasmanian Devil) (MS/4 & SS/1)

1313a	\$7	Tasmanian Devil, <i>Sarcophilus harrisii</i> (looking right)	Dasyuridae	A*
1313b	\$7	Same species (facing left)		A*
1313c	\$7	Same species (leaping right)		A*
1313d	\$7	Same species (looking left)		A*
1313	Margin	LL, UR, LR: Same species		Z*
1337	SS \$35	Tasmanian Devil, <i>Sarcophilus harrisii</i>	Dasyuridae	A*
	Margin	LL, Top, LR: Same species		Z*

2013 May 10 (Australian Fauna: Platypus) (MS/4 & SS/1)

1314a	\$7	Platypus, <i>Ornithorhynchus anatinus</i> (facing right)	Ornithorhynchidae	A*
1314b	\$7	Same species (facing down left)	Ornithorhynchidae	A*
1314c	\$7	Same species (facing left)	Ornithorhynchidae	A*
1314d	\$7	Same species (facing front)	Ornithorhynchidae	A*
1314	Margin	LL & UR: Same species		Z*
1338	SS \$35	Platypus, <i>Ornithorhynchus anatinus</i>	Ornithorhynchidae	A*
	Margin	L & LR: Same species		Z*

SOLOMON ISLANDS (continued) 2013 May 10 (Australian Fauna: Koala) (MS/4 & SS/1)				
1315a	\$7	Koala, <i>Phascolarctos cinereus</i> (sleeping)	Phascolarctidae	A*
1315b	\$7	Same species (pair facing left)		A*
1315c	\$7	Same species (pair facing each other)		A*
1315d	\$7	Same species (facing front)		A*
1315	Margin	UL & LL: Same species		Z*
1339	SS \$35	Koala, <i>Phascolarctos cinereus</i>	Phascolarctidae	A*
	Margin	UL, LL, LR: Same species		Z*
2013 May 10 (Australian Fauna: Water Buffalo) (MS/4 & SS/1)				
1316a	\$7	Water Buffalo, <i>Bubalus bubalis</i> (walking left)	Bovidae	A*
1316b	\$7	Same species (facing left)		A*
1316c	\$7	Same species (facing right)		A*
1316d	\$7	Same species (grazing)		A*
1316	Margin	UL & Bot: Same species		Z*
1340	SS \$35	Water Buffalo, <i>Bubalus bubalis</i>	Bovidae	A*
	Margin	UR & Bot: Same species		Z*
2013 May 10 (Australian Fauna: Wombats) (MS/4 & SS/1)				
1317a	\$7	Coarse-haired Wombat, <i>Vombatus ursinus</i> (facing right)	Vombatidae	A*
1317b	\$7	Northern Hairy-nosed Wombat, <i>Lasiorhinus krefftii</i>	Vombatidae	A*
1317c	\$7	Coarse-haired Wombat, <i>Vombatus ursinus</i> (facing left)	Vombatidae	A*
1317d	\$7	Southern Hairy-nosed Wombat, <i>Lasiorhinus latifrons</i>	Vombatidae	A*
1317	Margin	LL: Coarse-haired Wombat, <i>Vombatus ursinus</i>	Vombatidae	Z*
		LR: Southern Hairy-nosed Wombat, <i>Lasiorhinus latifrons</i>	Vombatidae	Z*
1341	SS \$35	Coarse-haired Wombat, <i>Vombatus ursinus</i>	Vombatidae	A*
	Margin	LL & LR: Coarse-haired Wombat, <i>Vombatus ursinus</i>	Vombatidae	Z*
		UR: Southern Hairy-nosed Wombat, <i>Lasiorhinus latifrons</i>	Vombatidae	Z*
2013 May 10 (Australian Fauna: Brushtail Possums) (MS/4 & SS/1)				
1318a	\$7	Mountain Brushtail Possum, <i>Trichosurus cunninghamii</i> (new)	Phalangeridae	A*
1318b	\$7	Short-eared Possum, <i>Trichosurus caninus</i> (new)	Phalangeridae	A*
1318c	\$7	Common Brushtail Possum, <i>Trichosurus vulpecula</i>	Phalangeridae	A*
1318d	\$7	Coppery Brushtail Possum, <i>Trichosurus johnstonii</i> (new)	Phalangeridae	A*
1318	Margin	LL & LR: Common Brushtail Possum, <i>Trichosurus vulpecula</i>	Phalangeridae	Z*
1342	SS \$35	Coppery Brushtail Possum, <i>Trichosurus johnstonii</i>	Phalangeridae	A*
	Margin	LL & LR: Common Brushtail Possum, <i>Trichosurus vulpecula</i>	Phalangeridae	Z*
		UR: Mountain Brushtail Possum, <i>Trichosurus cunninghamii</i>	Phalangeridae	Z*
2013 May 10 (Australian Fauna: Kangaroos) (MS/4 & SS/1)				
1319a	\$7	Yellow-footed Rock Wallaby, <i>Petrogale xanthopus</i>	Macropodidae	A*
1319b	\$7	Goodfellow's Tree Kangaroo, <i>Dendrolagus goodfellowi</i>	Macropodidae	A*
1319c	\$7	Hill Wallaroo, <i>Macropus robustus</i>	Macropodidae	A*
1319d	\$7	Swamp Wallaby, <i>Wallabia bicolor</i>	Macropodidae	A*
1319	Margin	LL: Yellow-footed Rock Wallaby, <i>Petrogale xanthopus</i>	Macropodidae	Z*
		UR: Goodfellow's Tree Kangaroo, <i>Dendrolagus goodfellowi</i>	Macropodidae	Z*
		LR: Hill Wallaroo, <i>Macropus robustus</i>	Macropodidae	Z*
1343	SS \$35	Red Kangaroo, <i>Macropus rufus</i>	Macropodidae	A*
	Margin	UL, LL, UR, LR: Same species		Z*
2013 May 10 (Australian Fauna: Kangaroos) (MS/4 & SS/1)				
1320a	\$7	Pretty-faced Wallaby, <i>Macropus parryi</i> (new)	Macropodidae	A*
1320b	\$7	Western Grey Kangaroo, <i>Macropus fuliginosus</i>	Macropodidae	A*
1320c	\$7	Eastern Grey Kangaroo, <i>Macropus giganteus</i>	Macropodidae	A*
1320d	\$7	Quokka, <i>Setonix brachyurus</i>	Macropodidae	A*

SOLOMON ISLANDS (continued)

1320	Margin	UL: Eastern Grey Kangaroo, <i>Macropus giganteus</i>	Macropodidae	Z*
		LL, UR, LR: Western Grey Kangaroo, <i>Macropus fuliginosus</i>	Macropodidae	Z*
1344	SS \$35	Giant Short-faced Kangaroo, † <i>Procoptodon goliah</i>	Macropodidae	A
	Margin	LL & UR: Giant Short-faced Kangaroo, † <i>Procoptodon goliah</i>	Macropodidae	Z
		UL: † <i>Sthenurus</i> sp.	Macropodidae	Z
		LR: Giant Wallaby, † <i>Protemnodon anak</i>	Macropodidae	Z
2013 May 10 (Australian Fauna: Extinct Mammals) (MS/4 & SS/1)				
1321a	\$7	† <i>Nimbadon lavarackorum?</i>	Order: Diprotodontia	A
		(Cap: <i>Thylacinus cynocephalus</i> , but depiction is not a Thylacine)		
1321b	\$7	Eastern Hare-wallaby, † <i>Lagorchestes leporides</i> (new)	Macropodidae	A
1321c	\$7	Toolache Wallaby, † <i>Macropus greyi</i>	Macropodidae	A
1321d	\$7	Riversleigh Platypus, † <i>Obdurodon dicksoni</i>	Ornithorhynchidae	A
	Margin	LL: Short-tailed Hopping Mouse, † <i>Notomys amplus</i>	Muridae	Z
		LR: Broad-faced Potoroo, † <i>Potorous platyops</i> (new)	Potoroidae	Z
1345	SS \$35	Thylacine, † <i>Thylacinus cynocephalus</i>	Thylacinidae	A
	Margin	LL: Crescent Nail-tailed Wallaby, † <i>Onychogalea lunata</i>	Macropodidae	Z
		UR: † <i>Chunia illuminata</i>	Ektopodontidae	Z
		LR: Thylacine, † <i>Thylacinus cynocephalus</i>	Thylacinidae	Z
2013 May 10 (Australian Fauna: Seals) (MS/4 & SS/1)				
1322a	\$7	South African Fur Seal, <i>Arctocephalus pusillus doriferus</i>	Otariidae	A*
1322b	\$7	Antarctic Fur Seal, <i>Arctocephalus gazella</i>	Otariidae	A*
1322c	\$7	Southern Elephant Seal, <i>Mirounga leonina</i>	Phocidae	A*
1322d	\$7	Leopard Seal, <i>Hydrurga leptonyx</i>	Phocidae	A*
1322	Margin	UL & LL: Leopard Seal, <i>Hydrurga leptonyx</i>	Phocidae	Z*
		MR: South African Fur Seal, <i>Arctocephalus pusillus doriferus</i>	Otariidae	Z*
		LR: Crabeater Seal, <i>Lobodon carcinophagus</i>	Phocidae	Z*
1346	SS \$35	New Zealand Fur Seal, <i>Arctocephalus forsteri</i>	Otariidae	A*
	Margin	UL: Antarctic Fur Seal, <i>Arctocephalus gazella</i>	Otariidae	Z*
		LL & LR: Crabeater Seal, <i>Lobodon carcinophagus</i>	Phocidae	Z*
		UR & MR: Ross Seal, <i>Ommatophoca rossii</i>	Phocidae	Z*
2013 May 10 (Australian Fauna: Sea Lions) (MS/4 & SS/1)				
1323a	\$7	Australian Sea Lion, <i>Neophoca cinerea</i> (facing right)	Otariidae	A*
1323b	\$7	Same species (looking down)		A*
1323c	\$7	Same species (looking left)		A*
1323d	\$7	Same species (pair)		A*
1323	Margin	UL, LL, LR: Same species		Z*
1347	SS \$35	Australian Sea Lion, <i>Neophoca cinerea</i>	Otariidae	A*
	Margin	UL, LL, LR: Same species		Z*
2013 May 10 (Australian Fauna: Endangered Mammals) (MS/4 & SS/1)				
1324a	\$7	Northern Hairy-nosed Wombat, <i>Lasiorhinus krefftii</i>	Vombatidae	A*
1324b	\$7	Numbat, <i>Myrmecobius fasciatus</i>	Myrmecobiidae	A*
1324c	\$7	Bridled Nail-tailed Wallaby, <i>Onychogalea fraenata</i>	Macropodidae	A*
1324d	\$7	Tasmanian Devil, <i>Sarcophilus harrisii</i>	Dasyuridae	A*
1324	Margin	UL: Lumholtz's Tree Kangaroo, <i>Dendrolagus lumholtzi</i> (new)	Macropodidae	Z*
		LR: Numbat, <i>Myrmecobius fasciatus</i>	Myrmecobiidae	Z*
1348	SS \$35	Lumholtz's Tree Kangaroo, <i>Dendrolagus lumholtzi</i> (new)	Macropodidae	A*
	Border	UL: Tasmanian Devil, <i>Sarcophilus harrisii</i>	Dasyuridae	Z*
		LL: Bridled Nail-tailed Wallaby, <i>Onychogalea fraenata</i>	Macropodidae	Z*
		LR: Lumholtz's Tree Kangaroo, <i>Dendrolagus lumholtzi</i> (new)	Macropodidae	Z*

SOLOMON ISLANDS (continued) 2013 May 10 (Australian Fauna: Dingoes) (MS/4 & SS/1)				
1325a	\$7	Dingo, <i>Canis lupus dingo</i> (laying facing right)	Canidae	A*
1325b	\$7	Same species (standing facing right)		A*
1325c	\$7	Same species (pair one standing)		A*
1325d	\$7	Same species (pair)		A*
1325	Margin	UL, LL, LR: Same species		Z*
1349	SS \$35	Dingo, <i>Canis lupus dingo</i>	Canidae	A*
	Margin	UL, LL, LR: Same species		Z*
2013 May 10 (Australian Fauna: Dolphins) (MS/4 & SS/1)				
1326a	\$7	Short-beaked Common Dolphin, <i>Delphinus delphis</i>	Delphinidae	A*
1326b	\$7	Indo-Pacific Bottlenose Dolphin, <i>Tursiops aduncus</i>	Delphinidae	A*
1326c	\$7	Striped Dolphin, <i>Stenella coeruleoalba</i>	Delphinidae	A*
1326d	\$7	Short-Beaked Common Dolphin, <i>Delphinus delphis</i>	Delphinidae	A*
1326	Margin	UR: Burrunan Dolphin, <i>Tursiops australis</i>	Delphinidae	Z*
		LR: Rough-toothed Dolphin, <i>Steno bredanensis</i>	Delphinidae	Z*
1350	SS \$35	Pantropical Spotted Dolphin, <i>Stenella attenuata</i>	Delphinidae	A*
	Margin	UL: Striped Dolphin, <i>Stenella coeruleoalba</i>	Delphinidae	Z*
		UR: Indo-Pacific Bottlenose Dolphin, <i>Tursiops aduncus</i>	Delphinidae	Z*
		LR: Short-Beaked Common Dolphin, <i>Delphinus delphis</i>	Delphinidae	Z*
2013 May 10 (Australian Fauna: Whales) (MS/4 & SS/1)				
1327a	\$7	Gray's Beaked Whale, <i>Mesoplodon grayi</i>	Ziphiidae	A*
1327b	\$7	Southern Bottlenose Whale, <i>Hyperoodon planifrons</i>	Ziphiidae	A*
1327c	\$7	Blainville's Beaked Whale, <i>Mesoplodon densirostris</i>	Ziphiidae	A*
1327d	\$7	Andrew's Beaked Whale, <i>Mesoplodon bowdoini</i> (new)	Ziphiidae	A*
1327	Margin	UL: Fin Whale, <i>Balaenoptera physalus</i>	Balaenopteridae	Z*
		LL: Strap-toothed Whale, <i>Mesoplodon layardii</i>	Ziphiidae	Z*
		UR: Blue Whale, <i>Balaenoptera musculus</i>	Balaenopteridae	Z*
		LR: Sperm Whale, <i>Physeter macrocephalus</i>	Physeteridae	Z*
1351	SS \$35	Strap-toothed Whale, <i>Mesoplodon layardii</i>	Ziphiidae	A*
	Margin	UL: Sperm Whale, <i>Physeter macrocephalus</i>	Physeteridae	Z*
		LL: Gray's Beaked Whale, <i>Mesoplodon grayi</i>	Ziphiidae	Z*
		UR: Humpback Whale, <i>Megaptera novaeangliae</i>	Balaenopteridae	Z*
		LR: Andrew's Beaked Whale, <i>Mesoplodon bowdoini</i>	Ziphiidae	A*
2013 August 30 (Dugongs) (MS/4 & SS/1)				
1376a	\$7	Dugong, <i>Dugong dugon</i> (denom UL)	Dugongidae	A*
1376b	\$7	Dugong, <i>Dugong dugon</i> (denom UR)	Dugongidae	A*
1376c	\$7	Dugong, <i>Dugong dugon</i> (denom LL)	Dugongidae	A*
1376d	\$7	West Indian Manatee, <i>Trichechus manatus</i>	Trichechidae	A*
1394	SS \$35	Dugong, <i>Dugong dugon</i>	Dugongidae	A*
	Margin	LR & MR: Same species		Z*
2013 November 22 (Wild Cats of the World) (MS/4 & SS/1)				
1427a	\$7	Tiger, <i>Panthera tigris</i>	Felidae	A*
1427b	\$7	Jaguar, <i>Panthera onca</i>	Felidae	A*
1427c	\$7	Caracal, <i>Caracal caracal</i>	Felidae	A*
1427d	\$7	Puma, <i>Puma concolor</i>	Felidae	A*
1445	SS \$35	Lion, <i>Panthera leo</i>	Felidae	A*
	Margin	Bot: Tiger, <i>Panthera tigris</i>	Felidae	Z*
		MR: Jaguar, <i>Panthera onca</i>	Felidae	Z*

SOLOMON ISLANDS (continued) 2013 November 22 (Killer Whales) (MS/4 & SS/1)

1428a	\$7	Killer Whale, <i>Orcinus orca</i> (denom UL)	Delphinidae	A*
1428b	\$7	Killer Whale, <i>Orcinus orca</i> (denom UR)	Delphinidae	A*
1428c	\$7	Killer Whale, <i>Orcinus orca</i> (denom LL)	Delphinidae	A*
1428d	\$7	Killer Whale, <i>Orcinus orca</i> (denom LR)	Delphinidae	A*
1446	SS \$35	Killer Whale, <i>Orcinus orca</i>	Delphinidae	A*
	Margin	MR & LR: Same species		Z*

2014 March 3 (Australian Mammals) (MS/4 & SS/1)

1501a	\$7	Spotted-tail Quoll, <i>Dasyurus maculatus</i>	Dasyuridae	A*
1501b	\$7	Grey-headed Flying Fox, <i>Pteropus poliocephalus</i>	Pteropodidae	A*
1501c	\$7	Short-beaked Echidna, <i>Tachyglossus aculeatus</i>	Tachyglossidae	A*
1501d	\$7	Wild Goat, <i>Capra aegagrus</i>	Bovidae	A*
1518	SS \$35	Red Kangaroo, <i>Macropus rufus</i>	Macropodidae	A*
	Margin	Bot: Koala, <i>Phascolarctos cinereus</i> (sleeping)	Phascolarctidae	Z*
		MR: Dingo, <i>Canis lupus dingo</i>	Canidae	A*

2014 March 3 (Dolphins) (MS/4 & SS/1)

1504a	\$7	Common Bottlenose Dolphin, <i>Tursiops truncatus</i>	Delphinidae	A*
1504b	\$7	Striped Dolphin, <i>Stenella coeruleoalba</i>	Delphinidae	A*
1504c	\$7	Risso's Dolphin, <i>Grampus griseus</i>	Delphinidae	A*
1504d	\$7	Pantropical Spotted Dolphin, <i>Stenella attenuata</i>	Delphinidae	A*
1521	SS \$35	Rough-toothed Dolphin, <i>Steno bredanensis</i>	Delphinidae	A*
	Margin	Bot & MR: Spinner Dolphin, <i>Stenella longirostris</i>	Delphinidae	Z*

2014 July 3 (Red List 50th Anniversary) (MS/4 & SS/1)

1567a	\$7	Tasmanian Devil, <i>Sarcophilus harrisii</i>	Dasyuridae	A*
1567c	\$7	Lord Howe Island Long-eared Bat, <i>Nyctophilus howensis</i> (new)	Vespertilionidae	A*
1587	SS \$35	Numbat, <i>Myrmecobius fasciatus</i>	Myrmecobiidae	A*
	Margin	Bot: Proserpine Rock-wallaby, <i>Petrogale persephone</i>	Macropodidae	Z*

2014 August 25 (World of Pandas) (MS/4 & SS/1) (hexagonal)

1610a	\$7	Giant Panda, <i>Ailuropoda melanoleuca</i> (facing right)	Ursidae	A*
1610b	\$7	Same species (facing left)		A*
1610c	\$7	Same species (sitting)		A*
1610d	\$7	Same species (with cub)		A*
1610	Margin	LL & LR: Same species		Z*
1628	SS \$35	Giant Panda, <i>Ailuropoda melanoleuca</i>	Ursidae	A*
	Margin	Bot & MR: Same species		Z*

2014 August 25 (World of Monkeys) (MS/4 & SS/1) (hexagonal)

1611a	\$7	Red Howler Monkey, <i>Alouatta seniculus</i>	Cebidae	A*
1611b	\$7	Proboscis Monkey, <i>Nasalis larvatus</i>	Cebidae	A*
1611c	\$7	Mandrill, <i>Mandrillus sphinx</i>	Cercopithecidae	A*
1611d	\$7	Western Gorilla, <i>Gorilla gorilla</i>	Hominidae	A*
1611	Margin	LL: Sooty Mangabey, <i>Cercocebus atys</i>	Cercopithecidae	Z*
		LR: Mantled Guereza, <i>Colobus guereza</i>	Cercopithecidae	Z*
1629	SS \$35	Chimpanzee, <i>Pan troglodytes</i>	Hominidae	A*
	Margin	LL & LR: Same species		Z*

2014 August 25 (World of Bats) (MS/4 & SS/1) (hexagonal)

1612a	\$7	Central Long-eared Bat, <i>Nyctophilus major</i> (new)	Vespertilionidae	A*
1612b	\$7	North American Long-nosed Bat, <i>Leptonycteris yerbabuenae</i>	Phyllostomidae	A*
1612c	\$7	Little Red Flying Fox, <i>Pteropus scapulatus</i> (new)	Pteropodidae	A*
1612d	\$7	Gould's Wattled Bat, <i>Chalinolobus gouldii</i>	Vespertilionidae	A*

SOLOMON ISLANDS (continued)

1612	Margin	LL: Common Pipistrelle, <i>Pipistrellus pipistrellus</i> LR: Daubenton's Bat, <i>Myotis daubentonii</i>	Vespertilionidae Vespertilionidae	Z* Z*
1630	SS \$35 Margin	Allen's Big-eared Bat, <i>Idionycteris phyllotus</i> (new) L: Buettikofer's Epauletted Fruit Bat, <i>Epomops buettikoferi</i> LR: Townsend's Big-eared Bat, <i>Corynorhinus townsendii</i>	Vespertilionidae Pteropodidae Vespertilionidae	A* Z* Z*
2014 August 25 (World of Tigers) (MS/4 &SS/1) (hexagonal)				
1613a	\$7	Tiger, <i>Panthera tigris</i> (walking left)	Felidae	A*
1613b	\$7	Same species (reclining)		A*
1613c	\$7	Same species (facing left)		A*
1613d	\$7	Same species (facing front)		A*
1631	SS \$35 Margin	Tiger, <i>Panthera tigris</i> L & Bot: Same species	Felidae	A* Z*
2014 August 25 (World of Wild Cats) (MS/4 &SS/1) (hexagonal)				
1614a	\$7	Canada Lynx, <i>Lynx canadensis</i>	Felidae	A*
1614b	\$7	Caracal, <i>Caracal caracal</i>	Felidae	A*
1614c	\$7	Fishing Cat, <i>Prionailurus viverrinus</i>	Felidae	A*
1614d	\$7	Clouded Leopard, <i>Neofelis nebulosa</i>	Felidae	A*
1614	Margin	LL: Sand Cat, <i>Felis margarita</i> LR: Fishing Cat, <i>Prionailurus viverrinus</i>	Felidae Felidae	Z* Z*
1632	SS \$35 Margin	Snow Leopard, <i>Uncia uncia</i> L: Cougar, <i>Puma concolor</i> Bot: Caracal, <i>Caracal caracal</i> UR: Tiger, <i>Panthera tigris</i>	Felidae Felidae Felidae Felidae	A* Z* Z* Z*
2014 August 25 (World of Manatees) (MS/4 &SS/1) (hexagonal)				
1616a	\$7	West Indian Manatee, <i>Trichechus manatus</i> (w/ pup facing right)	Trichechidae	A*
1616b	\$7	Same species (with pup facing front)		A*
1616c	\$7	Florida Manatee, <i>Trichechus manatus latirostris</i> (facing right)	Trichechidae	A*
1616d	\$7	Same species (on side facing front)		A*
1616	Margin	LL & LR: Florida Manatee, <i>Trichechus manatus latirostris</i>	Trichechidae	Z*
1634	SS \$35 Margin	Florida Manatee, <i>Trichechus manatus latirostris</i> L, Bot, R: Same species	Trichechidae	A* Z*
2014 August 25 (World of Dolphins) (MS/4 &SS/1) (hexagonal)				
1617a	\$7	Rough-toothed Dolphin, <i>Steno bredanensis</i>	Delphinidae	A*
1617b	\$7	Melon-headed Whale, <i>Peponocephala electra</i>	Delphinidae	A*
1617c	\$7	Long-beaked Common Dolphin, <i>Delphinus capensis</i>	Delphinidae	A*
1617d	\$7	Australian Snubfin Dolphin, <i>Orcaella heinsohni</i> (new)	Delphinidae	A*
1617	Margin	LL: Rough-toothed Dolphin, <i>Steno bredanensis</i> LR: Atlantic Humpback Dolphin, <i>Sousa teuszii</i>	Delphinidae Delphinidae	Z* Z*
1635	SS \$35 Margin	Black Dolphin, <i>Cephalorhynchus eutropia</i> UL & LL: Long-beaked Common Dolphin, <i>Delphinus capensis</i> UR: Common Bottlenose Dolphin, <i>Tursiops truncatus</i> LR: Rough-toothed Dolphin, <i>Steno bredanensis</i>	Delphinidae Delphinidae Delphinidae Delphinidae	A* Z* Z* Z*
2014 August 25 (World of Arctic Fauna) (MS/4 &SS/1) (hexagonal)				
1625a	\$7	Muskox, <i>Ovibos moschatus</i>	Bovidae	A*
1625b	\$7	Walrus, <i>Odobenus rosmarus</i>	Odobenidae	A*
1625c	\$7	Bowhead Whale, <i>Balaena mysticetus</i>	Balaenidae	A*
1625d	\$7	Arctic Fox, <i>Vulpes lagopus</i>	Canidae	A*
1625	Margin	LL: Ringed Seal, <i>Pusa hispida</i> (Cap: <i>Phoca hispida</i>)	Phocidae	Z*
1643	SS \$35	Polar Bear, <i>Ursus maritimus</i> (also in margin)	Ursidae	A*

SOLOMON ISLANDS (continued) 2014 November 28 (Dolphins) (MS/4 & SS/1)

1694a	\$7	Common Bottlenose Dolphin, <i>Tursiops truncatus</i> (individual)	Delphinidae	A*
1694b	\$7	Dusky Dolphin, <i>Lagenorhynchus obscurus</i>	Delphinidae	A*
1694c	\$7	Atlantic Spotted Dolphin, <i>Stenella frontalis</i>	Delphinidae	A*
1694d	\$7	Common Bottlenose Dolphin, <i>Tursiops truncatus</i> (pair)	Delphinidae	A*
1694	Margin	L: Spinner Dolphin, <i>Stenella longirostris</i>	Delphinidae	Z*
1714	SS \$35	Common Bottlenose Dolphin, <i>Tursiops truncatus</i>	Delphinidae	A*
	Margin	L: Spinner Dolphin, <i>Stenella longirostris</i>	Delphinidae	Z*

2014 December 20 (Koalas) (MS/4 & SS/1)

1726a	\$5	Koala, <i>Phascolarctos cinereus</i> (seated facing right)	Phascolarctidae	A*
1726b	\$5	Same species (seated facing left)		A*
1726c	\$5	Same species (climbing branch)		A*
1726d	\$5	Same species (seated arm raised)		A*
1726	Margin	L: Same species (climbing tree)		Z*
1746	SS \$24	Koala, <i>Phascolarctos cinereus</i>	Phascolarctidae	A*
	Margin	L: Same species		Z*

2014 December 20 (Whales) (MS/4 & SS/1)

1728a	\$5	Blue Whale, <i>Balaenoptera musculus</i>	Balaenopteridae	A*
1728b	\$5	Humpback Whale, <i>Megaptera novaeangliae</i> (with calf)	Balaenopteridae	A*
1728c	\$5	Humpback Whale, <i>Megaptera novaeangliae</i> (pair)	Balaenopteridae	A*
1728d	\$5	Sperm Whale, <i>Physeter macrocephalus</i>	Physeteridae	A*
1728	Margin	L: Humpback Whale, <i>Megaptera novaeangliae</i>	Balaenopteridae	Z*
1748	SS \$24	Humpback Whale, <i>Megaptera novaeangliae</i>	Balaenopteridae	A*
	Margin	L: Sperm Whale, <i>Physeter macrocephalus</i>	Physeteridae	Z*

2014 December 20 (Antarctica) (MS/4)

1737c	\$5	Antarctic Fur Seal, <i>Arctocephalus gazella</i>	Otariidae	A*
1737d	\$5	Leopard Seal, <i>Hydrurga leptonyx</i>	Phocidae	A*

2014 December 20 (Endangered Animals) (MS/4 & SS/1)

1738b	\$5	Tiger, <i>Panthera tigris</i>	Felidae	A*
1738c	\$5	Leopard, <i>Panthera pardus</i>	Felidae	A*
1738	Margin	L: Sea Otter, <i>Enhydra lutris</i>	Mustelidae	Z*
1758	SS \$24	American Bison, <i>Bison bison</i>	Bovidae	A*
	Margin	L: Hawaiian Monk Seal, <i>Neomonachus schauinslandi</i>	Phocidae	Z*

SPAIN**2014 October 20 (Protected Animals) (Block/4)**

4005a	54c	European Otter, <i>Lutra lutra</i>	Mustelidae	A*
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UGANDA**2013 July 8 (Endangered Animals: Dolphins) (MS/4 & SS/1)**

2025a	1800sh	Irrawaddy Dolphin, <i>Orcaella brevirostris</i>	Delphinidae	A*
2025b	1800sh	Indo-Pacific Humpbacked Dolphin, <i>Sousa chinensis</i>	Delphinidae	A*
2025c	7500sh	Yangtze River Dolphin, <i>Lipotes vexillifer</i>	Delphinidae	A*
2025d	7500sh	Common Bottlenose Dolphin, <i>Tursiops truncatus</i>	Delphinidae	A*
2035	SS 7500sh	Ganges River Dolphin, <i>Platanista gangetica</i>	Platanistidae	A*
	Margin	UL: Maui's Dolphin, <i>Cephalorhynchus hectori maui</i>	Delphinidae	Z*
		LL: Short-beaked Common Dolphin, <i>Delphinus delphis</i>	Delphinidae	Z*

2013 July 8 (Endangered Animals: Hippopotamus) (MS/4 & SS/1)

2029a	4000sh	Pygmy Hippopotamus, <i>Hexaprotodon liberiensis</i>	Hippopotamidae	A*
2029b	4000sh	Hippopotamus, <i>Hippopotamus amphibius</i>	Hippopotamidae	A*
2029c	4000sh	Hippopotamus, <i>Hippopotamus amphibius</i>	Hippopotamidae	A*
2029d	4000sh	Pygmy Hippopotamus, <i>Hexaprotodon liberiensis</i>	Hippopotamidae	A*
2039	SS 7500sh	Hippopotamus, <i>Hippopotamus amphibius</i> (also in margin)	Hippopotamidae	A*

UGANDA (continued)**2013 July 8** (Endangered Animals: Wild Cats) (MS/4 & SS/1)

2030a	4000sh	Rusty Spotted Cat, <i>Prionailurus rubiginosus</i>	Felidae	A*
2030b	4000sh	Snow Leopard, <i>Uncia uncia</i>	Felidae	A*
2030c	4000sh	Andean Cat, <i>Leopardus jacobita</i>	Felidae	A*
2030d	4000sh	Fishing Cat, <i>Prionailurus viverrinus</i>	Felidae	A*
2040	SS 7500sh	Tiger, <i>Panthera tigris</i>	Felidae	A*
	Margin:	L & Bot: Same species		Z*

2013 July 8 (Endangered Animals: Wild Dogs) (MS/4 & SS/1)

2031a	4000sh	African Wild Dog, <i>Lycaon pictus</i> (face + pair)	Canidae	A*
2031b	4000sh	Same species (running left)		A*
2031c	4000sh	Same species (pair facing right)		A*
2031d	4000sh	Same species (pair laying)		A*
2041	SS 7500sh	African Wild Dog <i>Lycaon pictus</i>	Canidae	A*
	Margin	L & Bot: Same species (pack with kill)		Z*

2013 July 8 (Endangered Animals: Predators) (MS/4 & SS/1)

2032b	4000sh	Simian Jackal, <i>Canis simensis</i>	Canidae	A*
2032d	4000sh	Leopard, <i>Panthera pardus</i>	Felidae	A*
2042	SS 7500sh	Dhole, <i>Cuon alpinus</i>	Canidae	A*
	Margin	Bot: Sumatran Tiger, <i>Panthera tigris sumatrae</i>	Felidae	Z*

2013 November 25 (WWF) (MS/4 & SS/1) (s-o-s)

2076a	2500sh	Leopard, <i>Panthera pardus</i> (Central Africa Sc#325 s-o-s)	Felidae	A*
2076b	2500sh	Barbary Ape, <i>Macaca sylvanus</i> (Algeria Sc#875 s-o-s)	Cercopithecidae	A*
2076d	2500sh	Orangutan, <i>Pongo pygmaeus</i> (Indonesia Sc#1383 s-o-s)	Hominidae	A*
2084	Margin	MR: Giant Armadillo, <i>Priodontes maximus</i> (Paraguay Sc#2139e)	Dasypodidae	Z*
		LR: Orangutan, <i>Pongo pygmaeus</i> (Indonesia Sc#1381 s-o-s)	Hominidae	Z*

2013 December 31 (Brazilian Animals) (MS/4)

2087a	3000sh	Tufted, or Brown, Capuchin, <i>Cebus apella</i>	Cebidae	A*
2087b	3000sh	Tayra, <i>Eira barbara</i>	Mustelidae	A*
2087c	3000sh	South American Tapir, <i>Tapirus terrestris</i>	Tapiridae	A*
2087d	3000sh	Jaguar, <i>Panthera onca</i>	Felidae	A*

2014 April 1 (African Animals) (MS/4 & SS/1)

2105a	3000sh	De Brazza's Monkey, <i>Cercopithecus neglectus</i>	Cercopithecidae	A*
2105b	3000sh	Aardvark, <i>Orycteropus afer</i>	Orycteropodidae	A*
2105c	3000sh	African Wild Dog, <i>Lycaon pictus</i>	Canidae	A*
2105d	3000sh	Okapi, <i>Okapia johnstoni</i>	Giraffidae	A*
2106	SS 8800sh	Topi, <i>Damaliscus korrigum</i>	Bovidae	A*

2014 April 1 (Cats) (MS/4)

2107a	3000sh	Bobcat, <i>Lynx rufus</i>	Felidae	A*
2107b	3000sh	Caracal, <i>Caracal caracal</i>	Felidae	A*

UKRAINE**2014 December 19** (Flora & Fauna in Winter) (MS/4)

995a	2h	Mountain Hare, <i>Lepus timidus</i>	Leporidae	A*
995b	2h	Eurasian Red Squirrel, <i>Sciurus vulgaris</i>	Sciuridae	A*

UZBEKISTAN**2015 January 22** (Tashkent Zoo Animals) (Set of 3 & SS/1)

759	2100s	Indian Crested Porcupine, <i>Hystrix indica</i>	Hystriidae	A*
760	SS 2500s	Grey Wolf, <i>Canis lupus</i>	Canidae	A*



ORNITHOLOGY

Editor

Glenn G. Mertz, BU1455

Updates/Corrections



COCOS (Keeling) ISLAND – Vol. 64(2), p.107

Update: The designer was John White. Offset by RA Printing.

ECUADOR – Vol. 63(4), p.250

Update: When I listed this issue, I indicated that only one stamp of a bird was part of the set, but in fact two birds were part of the set. The other bird stamp (Sc#2109c) is a Southern Giant Petrel, *Macronectes giganteus*, belonging to the family of Procellariidae. The stamp itself is incorrectly captioned as a Brown Skua, with the scientific name *Catharacta lonnbergi*, which is a subspecies of Brown Skua, *Stercorarius antarcticus*. Chuck Braun has confirmed the identification as a Southern Giant Petrel, which is also the species listed by Kjell Sharning on his website. All skuas are dark above, which is not the case of the bird shown on the stamp. The denomination of Sc#2109c is 50c.

UGANDA – Vol. 64(3), pp.190–92

Update: The Scott Catalogue has assigned numbers to these issues.

2013 July 8 (Endangered/Vulnerable Species) (MS/4 & SS/1): Sc#2023a–d, Sc#2033

2013 July 8 (Nobel Peace Prize Laureates) (MS/4): Sc#2044c

2013 July 8 (Endangered Predators) (MS/4 & SS/1): Sc#2032a, Sc#2042

2013 November 25 (Owls s-o-s) (MS/4 & SS/1): Sc#2073a–d, Sc#2081

2013 November 25 (World Wildlife s-o-s) (MS/4): Sc#2076c

2014 February 26 (Domestic Animals: Canary) (MS/4 & SS/1): Sc#2138a–d, Sc#2148

For the following items, Scott lists the issue date as 2014 April 1, but the producer, Stamperija, lists February 26.

2014 February 26 (Bird Watching: Cranes) (MS/4 & SS/1): Sc#2111a–d, Sc#2121

2014 February 26 (Bird Watching: Flamingos) (MS/4 & SS/1): Sc#2112a–d, Sc#2122

2014 February 26 (Bird Watching: Falcons) (MS/4 & SS/1): Sc#2113a–d, Sc#2123

2014 February 26 (Bird Watching: Parrots) (MS/4 & SS/1): Sc#2114a–d, Sc#2124

2014 February 26 (Bird Watching: Water Birds) (MS/4 & SS/1): Sc#2115a–d, Sc#2125

2014 February 26 (Bird Watching: Vultures) (MS/4 & SS/1): Sc#2116a–d, Sc#2126

2014 February 26 (Bird Watching: Hummingbirds) (MS/4 & SS/1): Sc#2119a–d, Sc#2129

2014 February 26 (Bird Watching: Hornbills) (MS/4 & SS/1): Sc#2117a–d, Sc#2127

2014 February 26 (Bird Watching: Eagles) (MS/4 & SS/1): Sc#2118a–d, Sc#2128

2014 February 26 (Bird Watching: Bee-eaters) (MS/4 & SS/1): Sc#2120a–d, Sc#2130

New Issues

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
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BRAZIL

2014 January 30 (FIFA World Cup Posters) (MS/12)

B*

A sheet of twelve stamps (Sc#3265a–l) for official posters for host cities of the 2014 World Cup Soccer Tournament, with one stamp featuring a bird.

3265f	1.20r	Red-and-Green Macaw, <i>Ara chloropterus</i>	Psittacidae	
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CROATIA		2015 February 19 (Pet Birds) (Block/4 & MS/8)		A*
940a	3,10k	Island Canary, <i>Serinus canaria</i>	Fringillidae	
940b	3,10k	Budgerigar, <i>Melopsittacus undulates</i>	Psittaculidae	
940c	3,10k	Chestnut-eared Finch, <i>Taeniopygia castanotis</i>	Estrildidae	
		(Now lumped under name Zebra Finch, <i>Taeniopygia guttata</i>)		
940d	3,10k	Sulphur-crested Cockatoo, <i>Cacatua galerita</i>	Cacatuidae	
ECUADOR		2012 July 31 (Legacies of the Alfarista Revolution of 1895) (MS/8)		B*
2066g	25c	Andean Condor, <i>Vultur gryphus</i>	Cathartidae	
		2012 September 17 (UPAEP: Myths & Legends) (Set/2)		S C
2075	\$2	Andean Condor, <i>Vultur gryphus</i>	Cathartidae	
ESTONIA		2015 May 21 (Bird of the Year)		A*
787	55c	European Honey-Buzzard, <i>Pernis apivorus</i>	Accipitridae	
RUSSIA		2014 October 12 (Birds) (Joint issue N. Korea) (Horiz pair & MS/6)		A*
7575a	15r	Eurasian Sparrowhawk, <i>Accipiter nisus</i>	Accipitridae	
7575b	18r	Osprey, <i>Pandion haliaetus</i>	Pandionidae	
ST. MARTIN		2015 January 14 (Birds) (Block/12+4 labels)		A*
62a	10c	Collared Forest-Falcon, <i>Micrastur semitorquatus</i>	Falconidae	
62b	30c	Brown Jacamar, <i>Brachygalba lugubris</i> (with label)	Galbulidae	Vol. 64(1)
62c	60c	Rufous Nightjar, <i>Antrostomus rufus</i> (with label)	Caprimulgidae	Vol. 64(1)
62d	90c	Blackish Nightjar, <i>Caprimulgus nigrescens</i> (with label)	Caprimulgidae	Vol. 64(1)
62e	110c	Hook-billed Kite, <i>Chondrohierax uncinatus</i>	Accipitridae	
62f	150c	Campo Flicker, <i>Colaptes campestris</i>	Picidae	Vol. 64(1)
62g	200c	Lesser Nighthawk, <i>Chordeiles acutipennis</i>	Caprimulgidae	Vol. 64(2)
		(New as a stamp; previously shown in margin on a Guatemala SS)		
62h	250c	Ladder-tailed Nightjar, <i>Hydropsalis climacocerca</i> (with label)	Caprimulgidae	Vol. 64(1)
62i	300c	Black-capped Screech-Owl, <i>Megascops atricapilla</i>	Strigidae	Vol. 64(1)
		(Cap: <i>Otus atricapillus</i>)		
62j	325c	Paradise Jacamar, <i>Galbula dea</i>	Galbulidae	
62k	475c	Zigzag Heron, <i>Zebrilus undulates</i>	Ardeidae	Vol. 64(2)
62l	500c	Sunbittern, <i>Eurypyga helias</i>	Eurypygidae	
ST. VINCENT		2014 May 19 (Farm Animals) (MS/4)		A*
3932a	\$3.25	Greylag Goose, <i>Anser anser</i> (Cap: <i>Anas platyrhynchos</i>)	Anatidae	
3932b	\$3.25	Mallard, <i>Anas platyrhynchos</i>	Anatidae	
3932c	\$3.25	Wild Turkey, <i>Meleagris gallopavo</i>	Phasianidae	
3932d	\$3.25	Red Junglefowl, <i>Gallus gallus</i> (Cap: <i>Gallus domesticus</i>)	Phasianidae	
3932	Margin	UR: Domestic Pigeon, <i>Columba livia domestica</i>	Columbidae	
		MR: Ring-necked Pheasant, <i>Phasianus colchicus</i>	Phasianidae	
		LR: Helmeted Guineafowl, <i>Numida meleagris</i>	Numididae	
SOLOMON ISLANDS		2013 February 15 (WWF: Cockatoo) (MS/8 & SS/1)		A*
Each of the four stamps have the WWF Panda Emblem, but the SS does not. All items dated 2012.				
1189a–d	\$7	Ducorp's Cockatoo, <i>Cacatua ducorpsii</i>	Cacatuidae	
1190	SS \$35	Same species (also in margin)		
1189e		MS of 8+2 labels (2ea Sc#1189a–d)		
		2013 February 15 (Birds of Solomon Islands) (2ea MS/4 & SS/1)		A*
1195a	\$5	Paradise Riflebird, <i>Ptiloris paradiseus</i>	Paradisaeidae	
1195b	\$5	Nicobar Pigeon, <i>Caloenas nicobarica</i>	Columbidae	
1195c	\$5	Silver-capped Fruit-Dove, <i>Ptilinopus richardsii</i>	Columbidae	Vol. 62(2)
1195d	\$5	Brush Cuckoo, <i>Cacomantis variolosus</i>	Cuculidae	Vol. 62(2)

SOLOMON ISLANDS (continued)

1218	SS \$24	Oriole Whistler, <i>Pachycephala orioloides</i>	Pachycephalidae	
	Margin	LR: Yellow-faced Myna, <i>Mino dumontii</i>	Sturnidae	
		UR: Common Kingfisher, <i>Alcedo atthis</i>	Alcedinidae	
1196a	\$5	Great Egret, <i>Ardea alba</i> (Cap: <i>Ardea modesta</i> , a subspecies)	Ardeidae	
1196b	\$5	Superb Fruit-Dove, <i>Ptilinopus superbus</i>	Columbidae	
1196c	\$5	Blue-crowned Lorikeet, <i>Vini australis</i>	Psittaculidae	
1196d	\$5	Fan-tailed Cuckoo, <i>Cacomantis flabelliformis</i>	Cuculidae	
1196	Margin	UL: Collared Kingfisher, <i>Todiramphus chloris</i>	Alcedinidae	
		LR: Royal Spoonbill, <i>Platalea regia</i>	Threskiornithidae	
1219	SS \$24	Nicobar Pigeon, <i>Caloenas nicobarica</i>	Columbidae	
	Margin	LR: Eclectus Parrot, <i>Eclectus roratus</i>	Psittaculidae	
		UL: Blyth's Hornbill, <i>Aceros plicatus</i>	Bucerotidae	
2013 May 10 (Australian Fauna: Owls) (MS/4 & SS/1) (diamond)				A*
1328a	\$7	Barking Owl, <i>Ninox connivens</i>	Strigidae	
1328b	\$7	Powerful Owl, <i>Ninox strenua</i>	Strigidae	
1328c	\$7	Rufous Owl, <i>Ninox rufa</i>	Strigidae	
1328d	\$7	Southern Boobook Owl, <i>Ninox novaeseelandiae</i>	Strigidae	
1328	Margin	UR: Little Owl, <i>Athene noctua</i>	Strigidae	
		LL: Barking Owl, <i>Ninox connivens</i>	Strigidae	
1352	SS \$35	Sooty Owl, <i>Tyto tenebricosa</i>	Tytonidae	
	Margin	UL: Barn Owl, <i>Tyto alba</i>	Tytonidae	
		UR: Barking Owl, <i>Ninox connivens</i>	Strigidae	
		LR: Little Owl, <i>Athene noctua</i>	Strigidae	
2013 May 10 (Australian Fauna: Emus) (MS/4 & SS/1)				A*
1329a	\$7	Emu, <i>Dromaius novaehollandiae</i> (head only)	Dromaiidae	
1329b	\$7	Same species (facing left)		
1329c	\$7	Same species (facing right)		
1329d	\$7	Same species (standing over eggs)		
1353	SS \$35	Emu, <i>Dromaius novaehollandiae</i>	Dromaiidae	
	Margin	Kangaroo Island Emu, <i>Dromaius baudinianus</i>	Dromaiidae	
		(An extinct subspecies, and Cap: <i>Dromaius parvulus</i> , an obsolete name)		
2013 August 30 (UNESCO: East Rennell Island) (MS/4 & SS/1)				A*
1374a	\$7	Little Pied Cormorant, <i>Phalacrocorax melanoleucos</i>	Phalacrocoracidae	
		(Cap: <i>Microcarbo melanoleucos</i>)		
1392	SS \$35	Rennell Shrikebill, <i>Clytorhynchus hamlini</i>	Monarchidae	
	Margin	UR & LR: White Ibis, <i>Eudocimus albus</i>	Threskiornithidae	
2013 August 30 (Water Birds of Solomon Islands) (MS/4 & SS/1)				A*
1377a	\$7	Imitator Goshawk, <i>Accipiter imitator</i>	Accipitridae	
1377b	\$7	Wedge-tailed Shearwater, <i>Puffinus pacificus</i>	Procellariidae	
1377c	\$7	Masked Lapwing, <i>Vanellus miles</i>	Charadriidae	
1377d	\$7	Swamp Harrier, <i>Circus approximans</i>	Accipitridae	
1395	SS \$35	Royal Spoonbill, <i>Platalea regia</i>	Threskiornithidae	
	Margin	LL: Peregrine Falcon, <i>Falco peregrinus</i>	Falconidae	
		Bot: Red-footed Booby, <i>Sula sula</i>	Sulidae	
		UR: Long-tailed Jaeger, <i>Stercorarius longicaudus</i>	Stercorariidae	
2013 November 22 (Birds of Prey) (MS/4 & SS/1)				A*
1429a	\$7	Swamp Harrier, <i>Circus approximans</i>	Accipitridae	
1429b	\$7	Osprey, <i>Pandion haliaetus</i>	Pandionidae	
1429c	\$7	Brahminy Kite, <i>Haliastur indus</i>	Accipitridae	
1429d	\$7	Peregrine Falcon, <i>Falco peregrinus</i>	Falconidae	

SOLOMON ISLANDS (continued)

1447	SS \$35	White-bellied Sea-Eagle, <i>Haliaeetus leucogaster</i>	Accipitridae	
	Margin	LL: Osprey, <i>Pandion haliaetus</i>	Pandionidae	
		R: Brahminy Kite, <i>Haliastur indus</i>	Accipitridae	
2013 November 29 (Solomons White Ibis) (MS/4 & SS/1)				A*
1472a	\$7	Australian Ibis, <i>Threskiornis moluccus</i> (one bird in flight)	Threskiornithidae	
1472b	\$7	Same species (one in flight & one standing facing left)		
1472c	\$7	Same species (one in flight & one standing facing right)		
1472d	\$7	Same species (on branch)		
1490	SS \$35	Australian Ibis, <i>Threskiornis moluccus</i>	Threskiornithidae	
	Margin	LL, UR, & LR: Same species		
2013 November 29 (Shells & Sea Birds) (MS/4 & SS/1)				A*
1473a	\$7	Red-billed Tropicbird, <i>Phaethon aethereus</i>	Phaethontidae	
1773b	\$7	Great White Pelican, <i>Pelecanus onocrotalus</i>	Pelecanidae	
1473c	\$7	Kelp Goose, <i>Chloephaga hybrida</i>	Anatidae	
1473d	\$7	Great Frigatebird, <i>Fregata minor</i>	Fregatidae	
1491	SS \$35	Black Skimmer, <i>Rynchops niger</i>	Laridae	
	Margin	LR: Sooty Tern, <i>Onychoprion fuscatus</i>	Laridae	
		UR: Australian Gannet, <i>Morus serrator</i>	Laridae	
2014 March 3 (Owls) (MS/4 & SS/1)				A*
1505a	\$7	Barking Owl, <i>Ninox connivens</i>	Strigidae	
1505b	\$7	Australian Masked-Owl, <i>Tyto novaehollandiae</i>	Tytonidae	
1505c	\$7	Southern Boobook, <i>Ninox boobook</i>	Strigidae	
		(All of Southern Boobook and subspecies were lumped with the Morepork, <i>Ninox novaeseelandiae</i> , which is now known as Southern Boobook)		
1505d	\$7	Barn Owl, <i>Tyto alba</i>	Tytonidae	
1522	SS \$35	Sooty Owl, <i>Tyto tenebricosa</i>	Tytonidae	
	Margin	LL & LR: Rufous Owl, <i>Ninox rufa</i>	Strigidae	
2014 March 10 (Birds of Great Britain) (MS/4 & SS/1)				A*
1545a	\$7	Short-eared Owl, <i>Asio flammeus</i>	Strigidae	
1545b	\$7	Red-breasted Goose, <i>Branta ruficollis</i>	Anatidae	
1545c	\$7	Tufted Puffin, <i>Fratercula cirrhata</i>	Alcidae	
1545d	\$7	Mute Swan, <i>Cygnus olor</i>	Anatidae	
1563	SS \$35	Green-winged Teal, <i>Anas carolinensis</i>	Anatidae	
	Margin	LR: Canada Goose, <i>Branta canadensis</i>	Anatidae	
		UR: Eurasian Kestrel, <i>Falco tinnunculus</i>	Falconidae	
2014 July 3 (Passenger Pigeon Extinction anniv.) (MS/4 & SS/1)				A*
1566a	\$7	Passenger Pigeon, <i>Ectopistes migratorius</i> (two in tree)	Columbidae	
1566b	\$7	Same species (two in flight)		
1566c	\$7	Same species (one in flight, one on branch)		
1566d	\$7	Same species (on branch, one facing left, one facing right)		
1586	SS \$35	Passenger Pigeon, <i>Ectopistes migratorius</i>	Columbidae	
	Margin	UR & LR: Same species (one in flight, one on branch)		
2014 August 25 (World of Eagles) (MS/4 & SS/1) (hexagonal)				A*
1618a	\$7	Wedge-tailed Eagle, <i>Aquila audax</i>	Accipitridae	
1618b	\$7	Golden Eagle, <i>Aquila chrysaetos</i>	Accipitridae	
1618c	\$7	Martial Eagle, <i>Polemaetus bellicosus</i>	Accipitridae	
1618d	\$7	Philippine Eagle, <i>Pithecophaga jefferyi</i>	Accipitridae	

SOLOMON ISLANDS (continued)

1618	Margin	LL: Philippine Eagle, <i>Pithecophaga jefferyi</i> LR: Golden Eagle, <i>Aquila chrysaetos</i>	Accipitridae Accipitridae	
1633	SS \$35 Margin	White-bellied Sea-Eagle, <i>Haliaeetus leucogaster</i> LR: Same species LL & UR: Wedge-tailed Eagle, <i>Aquila audax</i> UL: Martial Eagle, <i>Polemaetus bellicosus</i>	Accipitridae Accipitridae Accipitridae Accipitridae	
2014 August 25 (World of Owls) (MS/4 & SS/1) (hexagonal)				A*
1619a	\$7	Long-eared Owl, <i>Asio otus</i>	Strigidae	
1619b	\$7	European Scops-Owl, <i>Otus scops</i>	Strigidae	
1619c	\$7	Spectacled Owl, <i>Pulsatrix perspicillata</i>	Strigidae	
1619d	\$7	Boreal Owl, <i>Aegolius funereus</i>	Strigidae	
1619	Margin	LL: Boreal Owl, <i>Aegolius funereus</i> LR: Tawny Owl, <i>Strix aluco</i>	Strigidae Strigidae	
1637	SS \$35 Margin	Northern Hawk-Owl, <i>Surnia ulula</i> UL: Tawny Owl, <i>Strix aluco</i> MR: European Scops-Owl, <i>Otus scops</i> LL: Striped Owl, <i>Pseudoscops clamator</i>	Strigidae Strigidae Strigidae Strigidae	
2014 August 25 (World of Parrots) (MS/4 & SS/1) (hexagonal)				A*
1620a	\$7	Eclectus Parrot, <i>Eclectus roratus</i>	Psittaculidae	
1620b	\$7	Cardinal Lory, <i>Chalcopsitta cardinalis</i>	Psittaculidae	
1620c	\$7	Ducorps's Cockatoo, <i>Cacatua ducorpsii</i>	Cacatuidae	
1620d	\$7	Rainbow Lorikeet, <i>Trichoglossus haematodus</i>	Psittaculidae	
1620	Margin	LL: Cardinal Lory, <i>Chalcopsitta cardinalis</i> LR: Rainbow Lorikeet, <i>Trichoglossus haematodus</i>	Psittaculidae Psittaculidae	
1638	SS \$35 Margin	Yellow-bibbed Lory, <i>Lorius chlorocercus</i> UL, LL, & UR: Yellow-bibbed Lory, <i>Lorius chlorocercus</i>	Psittaculidae Psittaculidae	
2014 November 14 (Birds & Lighthouses) (MS/4 & SS/1)				A*
1668a	\$7	Sooty Tern, <i>Onychoprion fuscatus</i>	Laridae	
1668b	\$7	Australian Pelican, <i>Pelecanus conspicillatus</i>	Pelecanidae	
1668c	\$7	Blue-footed Booby, <i>Sula nebouxii</i>	Sulidae	
1668d	\$7	Northern Gannet, <i>Morus bassanus</i>	Sulidae	
1684	SS \$35	Royal Tern, <i>Thalasseus maximus</i>	Laridae	
2014 November 28 (Owls) (MS/4 & SS/1)				A*
1695a	\$7	Great Horned Owl, <i>Bubo virginianus</i>	Strigidae	
1695b	\$7	Eurasian Eagle-Owl, <i>Bubo bubo</i>	Strigidae	
1695c	\$7	Barn Owl, <i>Tyto alba</i>	Tytonidae	
1695d	\$7	Long-eared Owl, <i>Asio otus</i>	Strigidae	
1695	Margin	L: Great Horned Owl, <i>Bubo virginianus subarcticus</i>	Strigidae	
1715	SS \$35 Margin	Barn Owl, <i>Tyto alba</i> L: Great Horned Owl, <i>Bubo virginianus</i>	Tytonidae Strigidae	
2014 November 28 (Birds of Prey) (MS/4 & SS/1)				A*
1696a	\$7	Golden Eagle, <i>Aquila chrysaetos</i>	Accipitridae	
1696b	\$7	Eurasian Griffon, <i>Gyps fulvus</i>	Accipitridae	
1696c	\$7	Barn Owl, <i>Tyto alba</i>	Strigidae	
1696d	\$7	Bald Eagle, <i>Haliaeetus leucocephalus</i>	Accipitridae	
1696	Margin	L: Eurasian Eagle-Owl, <i>Bubo bubo</i>	Strigidae	
1716	SS \$35 Margin	Common Buzzard, <i>Buteo buteo</i> L: White-tailed Eagle, <i>Haliaeetus albicilla</i>	Accipitridae Accipitridae	

SOLOMON ISLANDS (continued) **2014 December 20** (Solomons White Ibis) (MS/4 & SS/1) **A***
 These stamps depict a subspecies.

1729a	\$5	Australian Ibis, <i>Threskiornis moluccus pygmaeus</i> (in flight)	Threskiornithidae
1729b	\$5	Same species (at water's edge)	
1729c	\$5	Same species (facing right)	
1729d	\$5	Same species (facing left)	
1729	Margin	L: Same species	
1749	SS \$24	Australian Ibis, <i>Threskiornis moluccus pygmaeus</i>	Threskiornithidae
	Margin	L: Same species	

2014 December 20 (Flamingos) (MS/4 & SS/1) **A***

1730a	\$5	Chilean Flamingo, <i>Phoenicopterus chilensis</i>	Phoenicopteridae
1730b	\$5	Andean Flamingo, <i>Phoenicoparrus andinus</i>	Phoenicopteridae
1730c	\$5	American Flamingo, <i>Phoenicopterus ruber</i>	Phoenicopteridae
1730d	\$5	Lesser Flamingo, <i>Phoenicopterus minor</i>	Phoenicopteridae
1730	Margin	L: American Flamingo, <i>Phoenicopterus ruber</i>	Phoenicopteridae
1750	SS \$24	Greater Flamingo, <i>Phoenicopterus roseus</i>	Phoenicopteridae
	Margin	L: Chilean Flamingo, <i>Phoenicopterus chilensis</i>	Phoenicopteridae

2014 December 20 (Kingfishers) (MS/4 & SS/1) **A***

1731a	\$5	Laughing Kookaburra, <i>Dacelo novaeguineae</i>	Alcedinidae
1731b	\$5	Common Kingfisher, <i>Alcedo atthis</i>	Alcedinidae
1731c	\$5	Rufous-collared Kingfisher, <i>Actenoides concretus</i>	Alcedinidae
1731d	\$5	Malachite Kingfisher, <i>Corythornis cristatus</i>	Alcedinidae
1731	Margin	L: Micronesian Kingfisher, <i>Todiramphus cinnamominus</i>	Alcedinidae
1751	SS \$24	Black-capped Kingfisher, <i>Halcyon pileata</i>	Alcedinidae
	Margin	L: Common Kingfisher, <i>Alcedo atthis</i>	Alcedinidae

2014 December 20 (Water Birds) (MS/4 & SS/1) **A***

1732a	\$5	Eurasian Oystercatcher, <i>Haematopus ostralegus</i>	Haematopodidae
1732b	\$5	Wood Sandpiper, <i>Tringa glareola</i> (Cap: <i>Tringa ochropus</i>)	Scolopacidae
1732c	\$5	Snowy Egret, <i>Egretta thula</i>	Ardeidae
1732d	\$5	Black-necked Stork, <i>Ephippiorhynchus asiaticus</i> (Cap: <i>Jabiru mysteria</i>)	Ciconiidae
1732	Margin	L: Great Egret, <i>Ardea alba</i>	Ardeidae
1752	SS\$24	Black-necked Stilt, <i>Himantopus mexicanus</i>	Recurvirostridae
	Margin	L: Little Egret, <i>Egretta garzetta</i>	Ardeidae

2014 December 20 (Antarctica) (MS/4) **A***

1737a	\$5	Antarctica Shag, <i>Phalacrocorax bransfieldensis</i>	Phalacrocoracidae
1737b	\$5	Adelie Penguin, <i>Pygoscelis adeliae</i>	Spheniscidae
1737	Margin	L: Gentoo Penguin, <i>Pygoscelis papua</i>	Spheniscidae

2014 December 20 (Endangered Animals) (MS/4) **A***

1738a	\$5	California Condor, <i>Gymnogyps californianus</i>	Cathartidae
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SPAIN **2014 October 20** (Protected Animals) (Block/4) **A***

4005b	54c	Great Bustard, <i>Otis tarda</i>	Otididae
4005c	92c	Eurasian Eagle-Owl, <i>Bubo bubo</i>	Strigidae
4005d	92c	Spanish Eagle, <i>Aquila adalberti</i>	Accipitridae

UKRAINE **2014 December 19** (Flora & Fauna in Winter) (MS/4) **A***

995c	3.30h	Great Tit, <i>Parus major</i>	Paridae
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UNITED NATIONS **2015 April 16** (Endangered Species) (Block/4) **A***

Three blocks of four featuring birds of paradise for the UN offices in New York, Vienna, and Geneva. The designs are by John Keulemans and William Hart. Printed by Johann Enschedé & Sons.

1106	\$1.20	King Bird-of-Paradise, <i>Cicinnurus regius</i>	Paradisaeidae
1107	\$1.20	Blue Bird-of-Paradise, <i>Paradisaea rudolphi</i>	Paradisaeidae
1108	\$1.20	Stephanie's Astrapia, <i>Astrapia stephaniae</i> (Cap: Princess Stephanie's Bird-of-Paradise)	Paradisaeidae
1109	\$1.20	Carola's Parotia, <i>Parotia carolae</i>	Paradisaeidae

UNITED NATIONS (Vienna) **2015 April 16** (Endangered Species) (Block/4) **A***

561	80c	King-of-Saxony Bird-of-Paradise, <i>Pteridophora alberti</i>	Paradisaeidae	
562	80c	Splendid Astrapia, <i>Astrapia splendidissima</i>	Paradisaeidae	Vol. 64(2)
563	80c	Greater Bird-of-Paradise, <i>Paradisaea apoda</i>	Paradisaeidae	
564	80c	Superb Bird-of-Paradise, <i>Lophorina superba</i>	Paradisaeidae	

UNITED NATIONS (Geneva) **2015 April 16** (Endangered Species) (Block/4) **A***

597	1.40fr	Wilson's Bird-of-Paradise, <i>Cicinnurus respublica</i> (Cap: <i>Diphyllodes</i>)	Paradisaeidae
598	1.40fr	Paradise Riflebird, <i>Ptiloris paradiseus</i> (Cap: <i>Paradisier festonne</i>)	Paradisaeidae
599	1.40fr	Standardwing Bird-of-Paradise, <i>Semioptera wallacii</i> (Cap: <i>Paradisier de Wallace</i>)	Paradisaeidae
600	1.40fr	Goldie's Bird-of-Paradise, <i>Paradisaea decora</i>	Paradisaeidae

UNITED STATES **2015 June 1** (Wildlife) (Single & Coil) (s/a) **A***

Issued to pay additional weight over the normal first class rate. Designed by Carl T. Herrman. Printed by Banknote Corporation of America for Sennett Security Products. Also issued in cut and uncut press sheets of 200.

4989	(22c)	Emperor Penguin, <i>Aptenodytes forsteri</i> (die cut 10¾)	Spheniscidae
4990	(22c)	Same species (coil) (die cut 11)	

UNITED STATES **2015 June 1** (Coastal Birds) (Block/4 & Strip/4) (s/a) **A***

Issued to pay the postcard rate. Designed by Greg Breeding. Sheets printed by Banknote Corporation of America for Sennett Security Products. Coils printed by Ashton-Potter, Ltd. Also issued in cut and uncut press sheets of 200.

4991	(35c)	Red Knot, <i>Calidris canutus</i>	Scolopacidae
4992	(35c)	King Eider, <i>Somateria spectabilis</i>	Anatidae
4993	(35c)	Roseate Spoonbill, <i>Platalea ajaja</i>	Threskiornithidae
4994	(35c)	Magnificent Frigatebird, <i>Fregata magnificens</i>	Fregatidae
4994a		Block/4 or Vert strip/4 (Sc#4991-94) (die cut 11¼×11)	
4995	(35c)	Red Knot, <i>Calidris canutus</i>	Scolopacidae
4996	(35c)	King Eider, <i>Somateria spectabilis</i>	Anatidae
4997	(35c)	Roseate Spoonbill, <i>Platalea ajaja</i>	Threskiornithidae
4998	(35c)	Magnificent Frigatebird, <i>Fregata magnificens</i>	Fregatidae
4998a		Horiz coil strip/4 (Sc#4995-98) (die cut 9½)	

UZBEKISTAN **2015 January 22** (Tashkent Zoo Animals) (Set/3) **A***

757	1000s	Ring-necked Pheasant, <i>Phasianus colchicus</i>	Phasianidae
758	1200s	L: Demoiselle Crane, <i>Anthropoides virgo</i>	Gruidae
		R: Gray-crowned Crane, <i>Balearica regulorum</i>	Gruidae

BIRD OF THE YEAR POSTMARK

We have been informed of a special postmark created to commemorate the Bird of the Year at a local philatelic exhibition held in Gaildorf, Germany on 8 November 2015. The selection for this year's bird is the *Habicht*, or Northern Goshawk (*Accipiter gentilis*).

We last published information about this event and one of these postmarks in Vol. 62 (2).

This show, which offers stamps, coins, postcards, and telephone cards, is sponsored by BSV Gaildorf. BSV is an initialism that stands for *Briefmarkensammlerverein* (stamp collectors club).

The Northern Goshawk is a medium-to-large bird of prey inhabiting the temperate areas of the Northern Hemisphere. It is considered to be a true "hawk," and the only species in its genus found in both Eurasia and North America. The females are significantly larger than the males.

Collectors interested in obtaining a copy of this postmark should contact:

Joachim Rupp
BSV Gaildorf
Prescherstrasse 38
74405 Gaildorf
GERMANY



Further information is available on their website (in German) at: www.bsv-gaildorf.de. Their site shows examples of avian postmarks and covers from this and previous shows, but there is no indication that these are still available.

ISRAEL QUAIL ATM STAMP

Israel continues its avian theme automatic teller machine (ATM) stamp series on 8 December 2015, with the issue of stamp depicting a Common Quail (*Coturnix coturnix*). Previous issues this year have included Partridges and Pheasants on 11 February, Chukar Partridge (*Alectoris chukar*) on 14 April, Sand Partridge (*Ammoperdix heyi*) on 16 June, and Black Francolin (*Francolinus francolinus*) on 2 September.

ATM vending machine stamps can be printed with various denominations at the time of purchase. They are self-adhesive and can be purchased in small quantities. These definitive labels are dispensed by the "Inbar 1" vending machine with six fixed tariff values (2.20s, 4.10s, 6.50s, 7.40s, 8.30s, and 9s).

The multicolored stamps are printed by Tadbik using a digital method and measure 54×30mm.

Quail feed on seeds and insects. Their preferred habitat is open country, hills, and mountainous slopes with grassy and bushy vegetation. Within Israel, they are common migrants all over the country.



Coturnix coturnix
Israel, 2015, not yet listed

CLEMENTS 2015 UPDATE

Charles E. Braun, BU1364 & Jack R. Congrove, BU1424

The Clements 2015 taxonomic update was released by Cornell University in August. Changes ranged from adding two new orders to minor typographic corrections. The table below shows the revised order of the 234 extant families accepted by Clements Checklist. The names of orders are in bold capital lettering and changes are noted in **bold blue** font. An additional extinct family is listed in brackets. The listing also provides the quantity of families in each order (in parentheses, after the name of each order), and the number of species in each family (in parentheses, after the name of each family).

No.	Family	Members	No.	Family	Members
	STRUTHIONIFORMES (1)			SULIFORMES (4)	
1	Struthionidae	Ostrich (2)	25	Fregatidae	Frigatebirds (5)
	RHEIFORMES (1)		26	Sulidae	Boobies & Gannets (10)
2	Rheidae	Rheas (2)	27	Phalacrocoracidae	Cormorants & Shags (40)
	TINAMIFORMES (1)		28	Anhingidae	Anhingas (4)
3	Tinamidae	Tinamous (47)		PELECANIFORMES (5)	
	CASUARIIFORMES (2)		29	Pelecanidae	Pelicans (8)
4	Casuariidae	Cassowaries (3)	30	Balaenicipitidae	Shoebill (1)
5	Dromaiidae	Emu (1)	31	Scopidae	Hamerkop (1)
	APTERYGIFORMES (1)		32	Ardeidae	Hérons, Egrets, & Bitterns (64)
6	Apterygidae	Kiwis (5)	33	Threskiornithidae	Ibises & Spoonbills (34)
	ANSERIFORMES (3)			ACCIPITRIFORMES (4)	
7	Anhimidae	Screamers (3)	34	Cathartidae	New World Vultures (7)
8	Anseranatidae	Magpie Goose (1)	35	Sagittariidae	Secretary-bird (1)
9	Anatidae	Ducks, Geese, & Waterfowl (164)	36	Pandionidae	Osprey (1)
	GALLIFORMES (5)		37	Accipitridae	Hawks, Eagles, & Kites (246)
10	Megapodiidae	Megapodes (22)		OTIDIFORMES (1)	
11	Cracidae	Guans, Chachalacas, & Curassows (54)	38	Otididae	Bustards (26)
12	Numididae	Guineafowl (6)		MESITORNITHIFORMES (1)	
13	Odontophoridae	New World Quail (33)	39	Mesitornithidae	Mesites (3)
14	Phasianidae	Pheasants, Grouse, & Allies (175)		EURYPYGIFORMES (2)	
	GAVIIFORMES (1)		40	Rhynochetidae	Kagu (1)
15	Gaviidae	Loons (5)	41	Eurypygiidae	Sunbittern (1)
	PODICIPEDIFORMES (1)			GRUIFORMES (6)	
16	Podicipedidae	Grebes (22)	42	Rallidae	Rails, Gallinules, & Coots (144)
	PHOENICOPTERIFORMES (1)		43	Sarothruridae	Flufftails (12)
17	Phoenicopteridae	Flamingos (6)	44	Heliornithidae	Finfoots (3)
	SPHENISCIFORMES (1)		45	Aramidae	Limpkin (1)
18	Spheniscidae	Penguins (18)	46	Psophiidae	Trumpeters (3)
	PROCELLARIIFORMES (4)		47	Gruidae	Cranes (15)
19	Diomedidae	Albatrosses (15)		CHARADRIIFORMES (19)	
20	Procellariidae	Shearwaters & Petrels (87)	48	Chionidae	Sheathbills (2)
21	Pelecanoididae	Diving-Petrels (4)	49	Pluvianellidae	Magellanic Plover (1)
22	Hydrobatidae	Storm-Petrels (25)	50	Burhinidae	Thick-knees (10)
	PHAETHONTIFORMES (1)		51	Pluvianidae	Egyptian Plover (1)
23	Phaethontidae	Tropicbirds (3)	52	Recurvirostridae	Stilts & Avocets (9)
	CICONIIFORMES (1)		53	Ibidorhynchidae	Ibisbill (1)
24	Ciconiidae	Storks (19)	54	Haematopodidae	Oystercatchers (12)

No.	Family	Members	No.	Family	Members
	CHARADRIIFORMES (continued)			CORACIIFORMES (continued)	
55	Charadriidae	Plovers & Lapwings (67)	92	Meropidae	Bee-eaters (28)
56	Pedionomidae	Plains-wanderer (1)	93	Coraciidae	Rollers (12)
57	Thinocoridae	Seedsnipes (4)	94	Brachypteraciidae	Ground-Rollers (5)
58	Rostratulidae	Painted-Snipes (3)		GALBULIFORMES (2)	
59	Jacanidae	Jacanas (8)	95	Bucconidae	Puffbirds (36)
60	Scolopacidae	Sandpipers & Allies (97)	96	Galbulidae	Jacamars (18)
61	Turnicidae	Buttonquail (16)		PICIFORMES (7)	
62	Dromadidae	Crab Plover (1)	97	Lybiidae	African Barbets (42)
63	Glareolidae	Pratincoles & Coursers (17)	98	Megalaimidae	Asian Barbets (34)
64	Stercorariidae	Skuas & Jaegers (7)	99	Capitonidae	New World Barbets (14)
65	Alcidae	Auks, Murres, & Puffins (25)	100	Semnornithidae	Toucan-Barbets (2)
66	Laridae	Gulls, Terns, & Skimmers (99)	101	Ramphastidae	Toucans (35)
	PTEROCLIFORMES (1)		102	Indicatoridae	Honeyguides (17)
67	Pteroclididae	Sandgrouse (16)	103	Picidae	Woodpeckers (230)
	COLUMBIFORMES (1)			CARIAMIFORMES (1)	
68	Columbidae	Pigeons & Doves (330)	104	Cariamidae	Seriemas (2)
	CUCULIFORMES (3)			FALCONIFORMES (1)	
69	Musophagidae	Turacos (23)	105	Falconidae	Falcons & Caracaras (66)
70	Opisthocomidae	Hoatzin (1)		PSITTACIFORMES (4)	
71	Cuculidae	Cuckoos (144)	106	Strigopidae	New Zealand Parrots (4)
	STRIGIFORMES (2)		107	Cacatuidae	Cockatoos (21)
72	Tytonidae	Barn-Owls (18)	108	Psittaculidae	Old World Parrots (180)
73	Strigidae	Owls (207)	109	Psittacidae	New World & African Parrots (167)
	CAPRIMULGIFORMES (5)			PASSERIFORMES (126)	
74	Aegothelidae	Owlet-Nightjars (10)	110	Acanthisittidae	New Zealand Wrens (4)
75	Podargidae	Frogmouths (15)	111	Calyptomenidae	African & Green Broadbills (6)
76	Caprimulgidae	Nightjars & Allies (97)	112	Eurylaimidae	Asian & Grauer's Broadbills (9)
77	Nyctibiidae	Potoos (7)	113	Sapayoidae	Sapayoa (1)
78	Steatornithidae	Oilbird (1)	114	Philepittidae	Asities (4)
	APODIFORMES (3)		115	Pittidae	Pittas (49)
79	Apodidae	Swifts (105)	116	Thamnophilidae	Typical Antbirds (233)
80	Hemiprocnidae	Treeswifts (4)	117	Melanopareidae	Crescentchests (4)
81	Trochilidae	Hummingbirds (342)	118	Conopophagidae	Gnateaters (10)
	COLIIFORMES (1)		119	Grallariidae	Antpittas (53)
82	Coliidae	Mousebirds (6)	120	Rhinocryptidae	Tapaculos (58)
	LEPTOSOMIFORMES (1) (new)		121	Formicariidae	Antthrushes (11)
83	Leptosomidae	Cuckoo-Roller (1)	122	Furnariidae	Ovenbirds & Woodcreepers (302)
	TROGONIFORMES (1)		123	Tyrannidae	Tyrant Flycatchers (418)
84	Trogonidae	Trogons (44)	124	Oxyruncidae	Sharpbill (1)
	BUCEROTIFORMES (4) (new)		125	Cotingidae	Cotingas (66)
85	Upupidae	Hoopoes (2)	126	Pipridae	Manakins (54)
86	Phoeniculidae	Woodhoopoes & Scimitar-bills (8)	127	Tityridae	Tityras & Allies (33)
87	Bucorvidae	Ground-Hornbills (2)	128	Menuridae	Lyrebirds (2)
88	Bucerotidae	Hornbills (59)	129	Atrichornithidae	Scrub-birds (2)
	CORACIIFORMES (6)		130	Ptilonorhynchidae	Bowerbirds (20)
89	Todidae	Todies (5)	131	Climacteridae	Australasian Treecreepers (7)
90	Momotidae	Motmots (13)	132	Maluridae	Fairywrens (28)
91	Alcedinidae	Kingfishers (117)	133	Meliphagidae	Honeyeaters (184)

No.	Family	Members	No.	Family	Members
	PASSERIFORMES (continued)			PASSERIFORMES (continued)	
134	Dasyornithidae	Bristlebirds (3)	178	Remizidae	Penduline-Tits (11)
135	Pardalotidae	Pardalotes (4)	179	Aegithalidae	Long-tailed Tits (11)
136	Acanthizidae	Thornbills & Allies (64)	180	Sittidae	Nuthatches (27)
137	Pomatostomidae	Pseudo-Babblers (5)	181	Tichodromidae	Wallcreeper (1)
138	Orthonychidae	Logrunners (3)	182	Certhiidae	Treecreepers (11)
139	Cnemophilidae	Satinbirds (3)	183	Troglodytidae	Wrens (82)
140	Melanocharitidae	Berrypeckers & Longbills (10)	184	Poliotilidae	Gnatcatchers (15)
141	Mohouidae	Whiteheads (3)	185	Cinclidae	Dippers (5)
142	Paramythiidae	Tit & Crested Berrypeckers (2)	186	Pycnonotidae	Bulbuls (141)
143	Callaeidae	Wattlebirds (5)	187	Regulidae	Kinglets (6)
144	Notiomystidae	Stitchbird (1)	188	Pnoepygidae	Cupwings (5)
145	Psophodidae	Whipbirds & Wedgebills (5)	189	Macrosphenidae	African Warblers (21)
146	Cinclosomatidae	Quail-thrushes & Jewel-babblers (11)	190	Cettiidae	Bush-Warblers & Allies (36)
147	Platysteiridae	Wattle-eyes & Batises (30)	191	Phylloscopidae	Leaf-Warblers (76)
148	Vangidae	Vangas (39)	192	Acrocephalidae	Reed-Warblers & Allies (61)
149	Malaconotidae	Bushshrikes & Allies (49)	193	Locustellidae	Grassbirds & Allies (61)
150	Machaerirhynchidae	Boatbills (2)	194	Donacobiidae	Donacobius (1)
151	Artamidae	Woodswallows (11)	195	Bernieridae	Malagasy Warblers (11)
152	Cracticidae	Bellmagpies & Allies (13)	196	Cisticolidae	Cisticolas & Allies (147)
153	Pityriaseidae	Bristlehead (1)	197	Sylviidae	Sylviid Warblers (33)
154	Aegithinidae	Ioras (4)	198	Paradoxornithidae	Parrotbills, Wrentit, & Allies (36)
155	Campephagidae	Cuckooshrikes (87)	199	Zosteropidae	Yuhinas, White-eyes, & Allies (129)
156	Neosittidae	Sittellas (2)	200	Timaliidae	Tree- & Scimitar-Babblers & Allies (52)
157	Pachycephalidae	Whistlers & Allies (57)	201	Pellorneidae	Ground Babblers & Allies (56)
158	Oreocidae	Australo-Papuan Bellbirds (3)	202	Leiothrichidae	Laughingthrushes & Allies (144)
159	Laniidae	Shrikes (32)	203	Promeropidae	Sugarbirds (5)
160	Vireonidae	Vireos, Shrike-Babblers, & Erpornis (62)	204	Irenidae	Fairy-bluebirds (2)
161	Oriolidae	Old World Orioles (35)	205	Hylotiidae	Hyliotas (4)
162	Dicuridae	Drongos (25)	206	Muscicapidae	Old World Flycatchers (315)
163	Rhipiduridae	Fantails (50)	207	Turdidae	Thrushes & Allies (166)
164	Monarchidae	Monarch Flycatchers (100)	208	Mimidae	Mockingbirds & Thrashers (34)
165	Corvidae	Crows, Jays, & Magpies (124)	209	Sturnidae	Starlings (122)
166	Corcoracidae	White-winged Chough & Apostlebird (2)	210	Buphagidae	Oxpeckers (2)
167	Paradisaeidae	Birds-of-paradise (41)	211	Chloropseidae	Leafbirds (11)
168	Petroicidae	Australasian Robins (47)	212	Dicaeidae	Flowerpeckers (47)
169	Picathartidae	Rockfowl (2)	213	Nectariniidae	Sunbirds & Spiderhunters (140)
170	Chaetopidae	Rockjumpers (2)	214	Prunellidae	Accentors (13)
171	Eupetidae	Rail-babbler (1)	215	Motacillidae	Wagtails & Pipits (66)
172	Panuridae	Bearded Reedling (1)	216	Urocynchramidae	Przevalski's Rosefinch (1)
173	Nicatoridae	Nicators (3)	217	Elachuridae	Spotted Elachura (1)
174	Alaudidae	Larks (94)	218	Bombycillidae	Waxwings (3)
175	Hirundinidae	Swallows (86)	219	[Mohouidae]	Hawaiian Honeyeaters (5) [extinct]
176	Stenostiridae	Fairy Flycatchers (9)	220	Ptiligonatidae	Silky-flycatchers (4)
177	Paridae	Tits, Chickadees & Titmice (60)	221	Dulidae	Palmchat (1)

No.	Family	Members	No.	Family	Members
PASSERIFORMES (continued)			PASSERIFORMES (continued)		
222	Hylocitridae	Hylocitrea (1)	229	Cardinalidae	Cardinals & Allies (48)
223	Hypocoliidae	Hypocolius (1)	230	Icteridae	Troupials & Allies (105)
224	Peucedramidae	Olive Warbler (1)	231	Fringillidae	Finches, Euphonias, & Allies (224)
225	Calcariidae	Longspurs & Snow Buntings (6)	232	Passeridae	Old World Sparrows (42)
226	Parulidae	New World Warblers (114)	233	Ploceidae	Weavers & Allies (116)
227	Thraupidae	Tanagers & Allies (386)	234	Estrildidae	Waxbills & Allies (140)
228	Emberizidae	Buntings & New World Sparrows (172)	235	Viduidae	Indigobirds (20)

Reference: Clements, J. F., T. S. Schulenberg, M. J. Iliff, D. Roberson, T. A. Fredericks, B. L. Sullivan, and C. L. Wood. 2015. *The eBird/Clements checklist of birds of the world: Version 2015*. Downloaded from <http://www.birds.cornell.edu/clementschecklist/download/>

Changes Affecting Birds on Stamps

The Somali Ostrich (*Struthio molybdophanes*) has been split from the Common Ostrich. It is on issues from Ethiopia 2000, Fujera, Georgia 2003, Italian Somaliland, Kuwait, Liberia 2001, and Somalia 1950 and 1965.

Olive Ibis has been split. The Saint Thomas issues become São Tomé Ibis (*Bostrychia bocagei*). Olive Ibis (*Bostrychia olivacea*) is on a new issue from Tanzania (see “New Birds in the Philatelic Aviary”).

Purple Swamphen has been split into four species, two of which are on stamps: Western Swamphen (*Porphyrio porphyrio*) and African Swamphen (*Porphyrio madagascariensis*) on issues from Burundi, Egypt, Ghana, Guinea, Madagascar, and Mali.

Mexican Hermit (*Phaethornis mexicanus*) on issues from Belize has been split from Long-billed Hermit (*Phaethornis longirostris*) on issue from Ecuador.

Change the name of Plovercrest to Green-crowned Plovercrest.

Variable Dwarf-Kingfisher (*Ceyx lepidus*) has been split into fifteen species, two of which are on stamps: Dimorphic Dwarf-Kingfisher (*Ceyx margarethae*) on Philippines issues and North Solomons Dwarf-Kingfisher (*Ceyx meeki*) on Solomon Islands issues.

Collared Kingfisher is split into six species, three of which are on stamps: Pacific Kingfisher (*Todiramphus sacer*) on issues from Fiji, Niue, Niuafou, Tonga, and Tuvalu; Melanesian Kingfisher (*Todiramphus tristrami*) on the Solomon Islands issue; and Collared Kingfisher (*Todiramphus chloris*) on all other issues.

Rock Kestrel (*Falco rupicolus*) has been split from Eurasian Kestrel. It is on issues from Lesotho and Namibia.

The Saddlebacks have been split. The North Island Saddleback (*Philesturnus rufusater*) is on New Zealand 1986, and the South Island Saddleback (*Philesturnus carunculatus*) is on New Zealand 1962 and the Saint Thomas issue.

Asian Paradise-Flycatcher has been split into three species. Two are on stamps: Indian Paradise-Flycatcher (*Terpsiphone paradise*) on issues from India, Maldives, Palau, Russia, and Sri Lanka, and Blyth's Paradise-Flycatcher (*Terpsiphone affinis*) on issues from Brunei, Cambodia, Kampuchea, and Thailand.

NEW BIRDS IN THE PHILATELIC AVIARY

Charles E. Braun, BU1364

New Birds



SOMALI OSTRICH, *Struthio molybdophanes* Struthionidae

Georgia, 2003 August 25, Sc#314, 40t

[Ed. note: The first appearance of this species was on a 1932 stamp of Italian Somaliland (Sc#151). That depiction is poor, so we decided to break tradition and use the much nicer looking latest issue.]

Length: 83 to 108 inches, resident. The male (shown) is black with a gray neck and white in the wings and tail. The female is brown.

Habitat: Open semi-arid plains and open woodland.

Range: Somalia to Kenya.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World, Volume 1*.



OLIVE IBIS, *Bostrychia olivacea* Threskiornithidae

Tanzania, 2015, not yet cataloged, 2000sh

Length: 28 to 30 inches, sexes alike, resident. Gray with a bushy crest, buffy neck, greenish wings and black face.

Habitat: Wetlands in dense forest.

Range: Sierra Leone to Gabon and mountains of Kenya and Tanzania.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World, Volume 1*.



AFRICAN SWAMPHEN, *Porphyrio madagascariensis* Rallidae

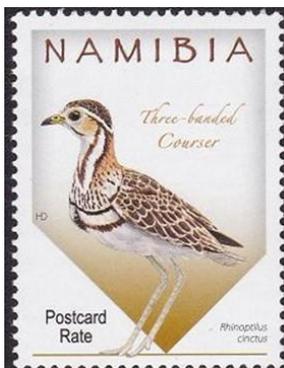
Burundi, 1979 May 30, Sc#553, 10fr

Length: 15 to 20 inches, sexes similar, resident. Bronzy-green or blue-green back and scapulars and purplish below with a turquoise neck and breast and red bill, shield, and legs.

Habitat: Reed beds, marshes, and flooded grasslands.

Range: Egypt, sub-Saharan Africa, and Madagascar.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World, Volume 3*.



BURCHELL'S COURSER, *Cursorius rufus* Glareolidae

Namibia, 2015, not yet cataloged, postcard rate

Length: 8 to 9 inches, sexes alike, resident. Pale rufous-brown above and light rufous-brown below with a blue-gray hindcrown, white superciliary, and black stripes behind the eye.

Habitat: Open plains with short grass.

Range: Southwestern Angola to South Africa.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World, Volume 3*.



DOUBLE-BANDED COURSER, *Smutornis africanus* Glareolidae

Namibia, 2015, not yet cataloged, Zone B

[Ed. note: We use Clements as our authority for taxonomy and naming. However, other authorities note *Smutornis* as a junior synonym of *Rhinoptilus*.]

Length: 8 to 10 inches, sexes alike, resident. Scaly Buff-brown above and crown and cinnamon below with two black breast bands.

Habitat: Stony and gravelly semi-desert.

Range: Ethiopia to South Africa

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World, Volume 3*.



THREE-BANDED COURSER, *Rhinoptilus cinctus* Glareolidae

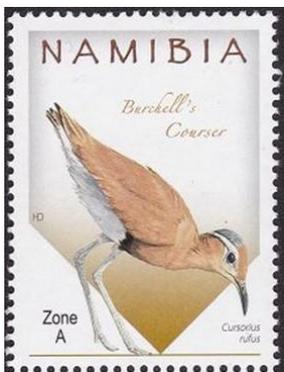
Namibia, 2015, not yet cataloged, Zone C

Length: 10 to 12 inches, sexes alike, resident. Scaly dark brown above and breast and white below with chestnut and black bands.

Habitat: Open sandy clearings, scrubby grassland, and woodlands with bare ground.

Range: Sudan to Zambia.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World, Volume 3*.



BRONZE-WINGED COURSER, *Rhinoptilus chalconotus* Glareolidae

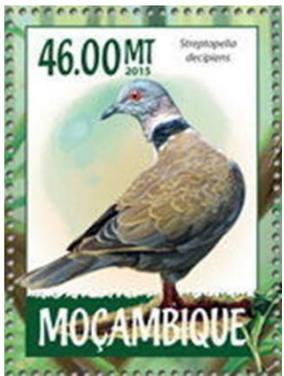
Namibia, 2015, not yet cataloged, Zone A

Length: 10 to 12 inches, sexes alike, inter-African migrant. Grayish-bronze above and white below with a pale brown neck and a dark band on the lower breast.

Habitat: Dry savanna, woodland, and thick bush.

Range: Senegal to Sudan and South Africa.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World, Volume 3*.



MOURNING COLLARED DOVE, *Streptopelia decipiens* Columbidae

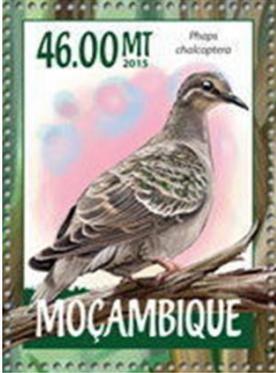
Mozambique, 2015 June 15, not yet cataloged, 46m

Length: 11 inches, sexes alike, resident. Brown above and rosy gray below with a gray head and a white-margined black hindcollar.

Habitat: Thorny acacia, woods, thickets, and arid savanna.

Range: Senegal to Somalia, Zambia, and Angola.

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



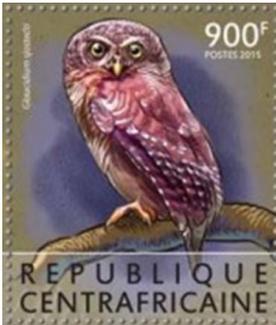
COMMON BRONZEWING, *Phaps chalcoptera* Columbidae
Mozambique, 2015 June 15, not yet cataloged, 46m

Length: 11 to 14 inches, sexes similar, resident. Scaly olive-brown above and brownish pink below with a yellow forehead and iridescent wing spots.

Habitat: Woodlands.

Range: Australia and Tasmania.

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



SJOSTEDT'S OWLET, *Glaucidium sjoestedti* Strigidae

Central African Republic, 2015 October 21, not yet cataloged, 900fr

Length: 8 to 10 inches, sexes alike, resident. Deep chestnut above and barred cinnamon below with barred head, wings, and tail and white chin and brows.

Habitat: Primary lowland forest.

Range: Cameroun to Gabon, Southern Central African Republic, and central Zaire.

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



BUFF-FRONTED OWL, *Aegolius harrisii* Strigidae

Uruguay. 2015 September 30, not yet cataloged, \$15

Length: 8 inches, sexes alike, resident. White-spotted chocolate-brown above and yellowish-buff below with a buff forehead.

Habitat: Open humid forest.

Range: Northwestern Venezuela to north-central Peru, and eastern Bolivia to eastern Brazil and Uruguay.

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



DIMORPHIC DWARF-KINGFISHER, *Ceyx margarethae* Alcedinidae

Philippines, 2007 November 15, Sc#3128b, 20p

Length: 6 inches, sexes alike, resident. Pale blue (pale morph) or dark blue (dark morph) above and rich orange below with a white chin and ear patch and red bill.

Habitat: Rainforest, monsoon forest, and thick vegetation along streams.

Range: Central and southern Philippines.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World, Volume 6.*



NORTH SOLOMONS DWARF-KINGFISHER, *Ceyx meeki* Alcedinidae

Solomon Islands, 2001 February 1, Sc#910, \$4

Length: 6 inches, sexes alike, resident. Dark blue above, paler in the center, and yellowish below with a white chin and black bill.

Habitat: Rainforest and thick vegetation along streams.

Range: Western and central Solomon Islands.

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



PACIFIC KINGFISHER, *Todiramphus sacer* Alcedinidae
Niufo'ou, 1983 November 15, Sc#38, 32c

Length: 10 inches, sexes alike, resident. Blue-green above and white or rufous below with a rufous superciliary and black eye-stripe.

Habitat: Mainly coastal.

Range: Polynesia.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World, Volume 6*.



MELANESIAN KINGFISHER, *Todiramphus tristrami* Alcedinidae
Solomon Islands, 2004 November 15, Sc#985b. \$7.50

Length: 9 to 10 inches, sexes alike, resident. Blue and green above and rufous below with a rufous front and a white throat.

Habitat: Coasts and lowland forests.

Range: New Britain to the Solomon Islands and Vanuatu.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World, Volume 6*.



SPOT-BILLED TOUCANET, *Selenidera maculirostris* Ramphastidae
Argentina, 2015 September 22, not yet cataloged, \$7

Length: 13 to 14 inches, resident. The male (shown) is green above (and eye patch) and black below (and neck and crown) with gold-yellow ear tufts, rusty thighs, and red undertail. The female is red with green back, wings, and eye patch and a blue undertail.

Habitat: Subtropical forest.

Range: Southeastern Brazil to eastern Paraguay.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World, Volume 7*.



ROCK KESTREL, *Falco rupicolus* Falconidae
Namibia, 1999 May 18, Sc#937, \$1.60

Length: 12 to 14 inches, sexes similar, resident. Brown, paler and streaked below with a gray head and black-barred tail.

Habitat: Grassland, scrub, and open woodland.

Range: Northern Angola to southern Tanzania and South Africa.

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



NORTH ISLAND SADDLEBACK, *Philesturnus rufusater* Callaeidae
New Zealand, 1986 April 23, Sc#770A, \$4

Length: 10 inches, sexes alike, resident. Glossy black with a dark orange or red-brown saddle.

Habitat: Forest.

Range: Small islands off the North Island, New Zealand.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World, Volume 14*.



SOUTH ISLAND SADDLEBACK, *Philesturnus carunculatus* Callaeidae
New Zealand, 1962 October 3, Sc#B64, 3p

Length: 10 inches, sexes alike, resident. Glossy black with a dark orange or red-brown saddle.

Habitat: Forest.

Range: Islands off northeastern and southwestern South Island, New Zealand.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World, Volume 14.*



SOOTY MYZOMELA, *Myzomela tristrami* Meliphagidae
Solomon Islands, 2015 September 3, not yet cataloged, \$12

Length: 5 inches, sexes similar, resident. All black.

Habitat: Forests, plantations, and gardens.

Range: Eastern Solomon Islands.

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



YELLOW-VENTED MYZOMELA, *Myzomela eichhorni* Meliphagidae
Solomon Islands, 2015 September 3, not yet cataloged, \$12

Length: 5 inches, sexes similar, resident. Dark olive-gray above and yellow-olive below with a scarlet rump and throat.

Habitat: Forest, forest edges, plantations, and gardens.

Range: West-central Solomon Islands.

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

of the World, Volume 13.



NOISY MINER, *Manorina melanoccephala* Meliphagidae
Solomon Islands, 2015 September 3, not yet cataloged, \$12

Length: 10 to 11 inches, sexes alike, resident. Gray with a white belly and patterned head.

Habitat: Dry open forests and woodlands.

Range: Eastern Australia and Tasmania.

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

of the World, Volume 13.



ASIAN PARADISE FLYCATCHER, *Terpsiphone paradisi* Monarchidae
Russia, 1981 August 20, Sc#4973, 10k

Length: 7 inches plus a 4- to 7-inch tail streamer, sexes similar but the female lacks the tail streamer, migratory. Deep rufous above and white or pale gray below with a black head and crest.

Habitat: Forest, shrubs, and plantations.

Range: Afghanistan to Sri Lanka, peninsular Malaysia and Myanmar. Winters from Pakistan to Sri Lanka and the Malay Peninsula.

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



BLYTH'S PARADISE-FLYCATCHER, *Terpsiphone affinis* Monarchidae
Malaysia, 1965 September 9, Sc#26, \$5

Length: 7 inches plus a 4- to 7-inch tail streamer, sexes similar but the female lacks the tail streamer, resident. Deep rufous above and gray below with a black head and crest. The bird on the right is a white morph.

Habitat: Forests, shrubs, and plantations.

Range: Southern China to the Lesser Sundas.

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



ISLAND MONARCH, *Monarcha cinerascens* Monarchidae
Solomon Islands, 2015 September 3, not yet cataloged, \$12

Length: 6.5 to 7.5 inches, sexes alike, resident. Dull gray with a rufous belly.

Habitat: Forests and coastal scrub.

Range: Lesser Sundas and Sulawesi to the Solomon Islands.

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

the World, Volume 11.



BLACK-WINGED MONARCH, *Monarcha frater* Monarchidae
Solomon Islands, 2015 September 3, not yet cataloged, \$12

Length: 6 to 8 inches, sexes similar, resident. Pale gray with a black face, wings, back and tail and orange-rufous belly.

Habitat: Forests and mangroves.

Range: New Guinea, northern Australia, and the northern Solomon Islands.

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



WHITE-CAPPED MONARCH, *Monarcha richardsii* Monarchidae
Solomon Islands, 2015 September 3, SS not yet cataloged, \$40

Length: 7 inches, sexes alike, resident. Glossy bluish-black with a chestnut belly and white nape.

Habitat: Semi-evergreen forests.

Range: New Georgia Islands and the western Solomon Islands.

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



HERPETOLOGY

Temporary Editor

Jack R. Congrove, BU1424



[Ed. Note: I am still looking for someone to take over as Associate Editor for this column. This listing is longer than usual because it compensates for the omission in the past two editions and it also includes a large quantity of entries that have not yet received catalog listing. It is doubtful that Scott will ever list some of these entries because they may have been produced without official sanction by the postal authorities of the country they purport to be from. Nonetheless you can find them in the marketplace, so caveat emptor.]

[Ed. note: Occasionally in this section and also in the Fungi 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.]

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
ALBANIA		2014 November 22 (Reptiles & Amphibians) (Horiz pair)		
2958a	80l	Loggerhead Sea Turtle, <i>Caretta caretta</i>	Cheloniidae	A*
2958b	170l	European Tree Frog, <i>Hyla arborea</i>	Hylidae	A*
ASCENSION ISLAND		2015 June 15 (Magna Carta 800th anniv.) (Set of 4)		
1140	£1.60	Stylized Sea Turtles (Ascension Coat of Arms)		S
		2015 February 14 (Air Post-Sea Turtles) (Set of 6 & MS/6)		
C1	(50p)	Green Sea Turtle, <i>Chelonia mydas</i> (moving onto beach)	Cheloniidae	A*
C2	(50p)	Same (digging nest)	Cheloniidae	A*
C3	(50p)	Same (returning to water)	Cheloniidae	A*
C4	(50p)	Same (baby emerging from nest)	Cheloniidae	A*
C5	(50p)	Same (baby facing front)	Cheloniidae	A*
C6	(50p)	Same (baby facing right)	Cheloniidae	A*
C7a	(50p)	Like Sc#C1 (without white frame)	Cheloniidae	A*
C7b	(50p)	Like Sc#C2 (without white frame)	Cheloniidae	A*
C7c	(50p)	Like Sc#C3 (without white frame)	Cheloniidae	A*
C7d	(50p)	Like Sc#C4 (without white frame)	Cheloniidae	A*
C7e	(50p)	Like Sc#C5 (without white frame)	Cheloniidae	A*
C7f	(50p)	Like Sc#C6 (without white frame)	Cheloniidae	A*
C7	Margin	Top: Green Sea Turtle, <i>Chelonia mydas</i> (emerging from nest)	Cheloniidae	Z*
AUSTRALIA		2015 May 19 (Items in Australian Museums) (Block, Strip, & SS/4)		
4299	70c	Stylized Turtle (sculpture by Ellarose Savage, Australian Museum, Sydney)		S
4301a		Block of 4 (Sc#4298–4301) (perf 14¼×14)		
4301b		SS of 4 (Sc#4298–4301)		
4302	70c	Stylized Turtle (sculpture by Ellarose Savage, Australian Museum, Sydney)		S
4305a		Vert strip 4 (Sc#4302–05) (coil, die cut 11¼, s/a)		
CHINA (Taiwan)		2014 October 16 (Taipei Zoo Centenary) (MS/6)		
4197	Margin	Bot: Freshwater Crocodile, <i>Crocodylus johnsoni</i>	Crocodylidae	Z
CHRISTMAS ISLAND		2015 January 8 (2015: Year of the Goat) (MS/14 & Bklt/4)		
538d	15c	Stylized Snake (Zodiac sign)		S
528r		Bklt/4 (Sc#583d, Sc#538k, 2ea Sc#536)		

COOK ISLANDS		2014 June 23 (Tourism) (Block/4)		
1515c	\$1	Stylized Sea Turtle silhouette (scuba diving)		S
CUBA		2013 March 12 (Pets) (Set of 6 & SS)		
5379	65c	U/I Turtle		U A*
		2013 April 10 (Australia 2013 Intl. Philatelic Exh.) (3 pairs & SS/1)		
5395	SS 1p	Stylized Crocodile (imperf)		S
		2014 May 26 (National Museum of Natural History, 50th anniv.)		
5525	75c	U/I Lizard		U A*
		2014 October 4 (Marine Life) (Set of 6)		
5571	30c	Marine Iguana, <i>Amblyrhynchus cristatus</i> (new)	Iguanidae	A*
5574	85c	Hawksbill Sea Turtle, <i>Eretmochelys imbricata</i>	Cheloniidae	A*
		2014 December 15 (Protected Flora & Fauna) (Set of 6)		
5601	15c	Hawksbill Sea Turtle, <i>Eretmochelys imbricata</i>	Cheloniidae	A*
CURAÇAO		2014 October 14 (Caricatures of Marine Life) (Set of 5)		
205	100c	Stylized Turtle (with starfish and shell)		S
CZECH REPUBLIC		2014 September 3 (Flora & Fauna of Beskid Mtns.) (MS/4+3 labels)		
3613	Label	UL: Yellow-bellied Toad, <i>Bombina variegata</i>	Bombinatoridae	Z*
		LL: Carpathian Newt, <i>Triturus montandoni</i>	Salamandridae	Z*
	Margin	LR: Common European Adder, <i>Vipera berus</i> ♂	Viperidae	Z*
DOMINICAN REPUBLIC		2015 May 22 (National Parks) (MS/12)		
1573e	20p	Hispaniolan Ground Iguana, <i>Cyclura ricordi</i> (new)	Iguanidae	A*
FRANCE		2014 September 6 (Renaissance Objets d'Art) (Bklt/12, s/a)		
4661	(61c)	Sculpture of salamander, Chateau de Fontainebleau		S
4669a		Bklt/12 (Sc#4658–69)		
		2014 October 9 (Green Sea Turtle) (Joint Issue)		
This stamp is part of a joint issue with Comoro Islands, French Southern & Antarctic Territories, Madagascar, Mauritius, and Seychelles. All stamps have the same common design and were issued on a SS of six.				
4695	98c	Green Sea Turtle, <i>Chelonia mydas</i>	Cheloniidae	A*
GHANA		2014 September 15 (African Frogs) (2×MS/5 & SS/2)		
2820a	2.50ce	African Foam-nest Tree Frog, <i>Chiromantis rufescens</i>	Rhacophoridae	A*
2820b	2.50ce	Mababe River Frog, <i>Phrynobatrachus mababiensis</i>	Phrynobatrachidae	A*
2820c	2.50ce	Pickersgill's Banana Frog, <i>Afrivalus delicatus</i>	Hyperoliidae	A*
2820d	2.50ce	African Bullfrog, <i>Pyxicephalus adspersus</i>	Pyxicephalidae	A*
2820e	2.50ce	Broad-banded Grass Frog, <i>Ptychadena mossambica</i>	Ptychadenidae	A*
2821a	2.50ce	Snoring Puddle Frog, <i>Phrynobatrachus natalensis</i>	Phrynobatrachidae	A*
2821b	2.50ce	Mascarene Grass Frog, <i>Ptychadena mascareniensis</i>	Ptychadenidae	A*
2821c	2.50ce	Painted Reed Frog, <i>Hyperolius marmoratus</i>	Hyperoliidae	A*
2821d	2.50ce	Grey Foam-nest Tree Frog, <i>Chiromantis xerampelina</i>	Rhacophoridae	A*
2821e	2.50ce	Spiny Reed Frog, <i>Afrivalus fornasini</i>	Hyperoliidae	A*
2822a	SS 4.50ce	Nosed Grass Frog, <i>Ptychadena oxyrhynchus</i>	Ptychadenidae	A*
2822b	SS 4.50ce	Water Lily Frog, <i>Hyperolius pusillus</i>	Hyperoliidae	A*
GUYANA		2013 December 23 (Reptiles) (MS/4 & SS/1)		
4276a	\$225	Saban Anole, <i>Anolis sabanus</i>	Iguanidae	A*
4276b	\$225	Whiptail Lizard, <i>Cnemidophorus deppei</i> (new)	Teiidae	A*
4276c	\$225	Barbados Leaf-toed Gecko, <i>Phyllodactylus pulcher</i> (new)	Gekkonidae	A*
4276d	\$225	Anegada Ground Iguana, <i>Cyclura pinguis</i>	Iguanidae	A*

GUYANA (continued)

4277 SS \$710 Dominican Ground Lizard, *Ameiva fuscata* Teiidae A*

2014 July 1 (Wildlife) (Set of 20)

4327 \$80 Black Caiman, *Melanosuchus niger* (new) Alligatoridae A*

4328 \$80 Leatherback Sea Turtle, *Dermochelys coriacea* Dermochelyidae A*

2014 July 1 (South American Animals) (MS/4)

4345c \$300 Three-striped Poison Frog, *Ameerega trivittata* ♂
(Cap: *Dendrobates trivittatus*) Dendrobatidae A*

4345d \$300 Martinique's Anole, *Anolis roquet* (Cap: *Anoles roquet*) Polychrotidae A*

HONDURAS**2014 June** (Wildlife Conservation) (Set of 8)

C1309 5L Green Iguana, *Iguana iguana* Iguanidae A*

C1312 10L Eyelash Viper, *Bothriechis schlegelii* ♂ Viperidae A*

HONG KONG**2015 January 24** (New Year Types of 2012–14) (MS/4)

1700b \$10 Stylized painting of snake (like Sc#1554) (embossed foil) S

INDONESIA**2014 November 5** (Flora & Fauna) (Pair & SS/1)

The stamp on Sc#2396 is surrounded by turtle-shaped rouletting. This SS also exists imperforate.

2395a 3000r Hawksbill Sea Turtle, *Eretmochelys imbricata* Cheloniidae A*

2396 SS 5000r Hawksbill Sea Turtle, *Eretmochelys imbricata* Cheloniidae A*

ISRAEL**2014 June 23** (Amphibians) (Block/4)

2024a 2s Syrian Spadefoot Toad, *Pelobates syriacus* Pelobatidae A*

2024b 2s Near Eastern Fire Salamander, *Salamandra infraimmaculata* Salamandridae A*

2024c 2s Southern Banded Newt, *Ommatotriton vittatus* Salamandridae A*

2024d 2s Hula Painted Frog, *Latonia nigriventer* Alytidae A*

JAPAN**2014 January 16** (Spring Greetings)

3644c 50¥ Stylized Turtle (with girl & squirrel) (die cut circular) S

3644 MS of 10 (2ea Sc#3644a–e)

2014 May 15 (Flora & Fauna)

3683 82¥ Ryukyu Box Turtle, *Cuora flavomarginata evelynae* (new) Geoemydidae A*

3683a Vert strip 5 (Sc#3679–83)

2014 September 19 (Baby Animals)

3735a 52¥ U/I Tortoise Testudinidae U A

3735 MS of 10 (2ea Sc#3735a–e) (s/a)

KAZAKHSTAN**2015 January 12** (Year of the Horse) (SS/1) (Circular)

724 Margin UL: Stylized Snake (Zodiac sign) S

KOREA (North)**2013 January 5** (Year of the Snake)

5149 10w Stylized Snake S

2013 March 21 (Marine Life) (MS/4)

5168b 50w Loggerhead Sea Turtle, *Caretta caretta* Cheloniidae A*

LIBERIA**2014 August 27** (Mongoose) (SS/2)

2969 Margin LL: Cobra, *Naja* sp. ♂ U Z

LIECHTENSTEIN**2015 June 1** (Reptiles) (Set of 3) (s/a)

1646 1.80fr Sand Lizard, *Lacerta agilis* Lacertidae A*

1647 2fr Smooth Snake, *Coronella austriaca* Colubridae A*

1648 5fr Viviparous Lizard, *Zootoca vivipara* (new) Lacertidae A*

MACAO		2014 August 27 (Magic Squares) (SS/1)		
1425	SS 12p	Stylized Turtle (with matrix of dots on shell)		S
MARSHALL ISLANDS		2015 April 13 (Marine Life) (MS/15)		
1113b	49c	Loggerhead Sea Turtle, <i>Caretta caretta</i>	Cheloniidae	A
MAURITIUS		2014 October 9 (Green Sea Turtle) (Joint Issue)		
This stamp is part of a joint issue with Comoro Islands, France, French Southern & Antarctic Territories, Madagascar, and Seychelles. All stamps have the same common design and were issued on a SS of six.				
1144	14r	Green Sea Turtle, <i>Chelonia mydas</i>	Cheloniidae	A*
MONTENEGRO		2012 May 21 (Environmental Protection) (Set of 2)		
312	95c	U/I Frog (with red & white life preserver)		U A
MONTserrat		2013 December 23 (Reptiles) (MS/4 & SS/1)		
1335a	\$2.75	Red-footed Tortoise, <i>Chelonoidis carbonaria</i>	Testudinidae	A*
1335b	\$2.75	Green Iguana, <i>Iguana iguana</i>	Iguanidae	A*
1335c	\$2.75	Brown Anole, <i>Anolis sagrei</i>	Polychrotidae	A*
1335d	\$2.75	Common House Gecko, <i>Hemidactylus frenatus</i>	Gekkonidae	A*
1336	SS \$7	Blue-headed Anole, <i>Anolis allisoni</i>	Polychrotidae	A*
NAMIBIA		2014 June 4 (Poisonous Snakes) (Set of 4)		
1287	\$5.40	Black Mamba, <i>Dendroaspis polylepis</i> ☞	Elapidae	A*
1288	(\$6)	Boomslang, <i>Dispholidus typus</i> ☞	Colubridae	A*
1289	\$6.20	Puff Adder, <i>Bitis arietans</i> ☞	Viperidae	A*
1290	\$7.30	Zebra Spitting Cobra, <i>Naja nigricincta nigricincta</i> ☞ (Cap: <i>Naja nigricollis nigricincta</i>)	Elapidae	A*
		2014 July 28 (Flora & Fauna of Kalahari Desert) (MS/10)		
1293j	(\$6)	Spotted Sandveld Lizard, <i>Nucras intertexta</i> (new)	Lacertidae	A*
NEW CALEDONIA		2014 April 22 (UNESCO World Heritage Site)		
1174	110fr	Banded Sea Krait, <i>Laticauda colubrina</i> ☞ (new)	Elapidae	B*
PALAU		2014 April 22 (Reptiles of South Pacific) (2ea MS/4 & 2ea SS/1)		
1212a	\$3.50	Friiled-neck Lizard, <i>Chlamydosaurus kingii</i>	Agamidae	A*
1212b	\$3.50	Fiji Crested Iguana, <i>Brachylophus vitiensis</i>	Iguanidae	A*
1212c	\$3.50	Smooth Knob-tailed Gecko, <i>Nephruirus levis</i> (new)	Carphodactylidae	A*
1212d	\$3.50	Tuatara, <i>Sphenodon punctatus</i> (new)	Sphenodontidae	A*
1213a	\$3.50	Eastern Brown Snake, <i>Pseudonaja textilis</i> ☞	Elapidae	A*
1213b	\$3.50	Children's Python, <i>Antaresia childreni</i>	Pythonidae	A*
1213c	\$3.50	Copperhead, <i>Agkistrodon contortrix</i> ☞ (new)	Viperidae	A*
1213d	\$3.50	Red-bellied Black Snake, <i>Pseudechis porphyriacus</i> ☞	Elapidae	A*
1214	SS \$3.50	Green Sea Turtle, <i>Chelonia mydas</i>	Cheloniidae	A*
1215	SS \$3.50	Saltwater Crocodile, <i>Crocodylus porosus</i>	Crocodylidae	A*
		2014 July 31 (Alice in Wonderland Illustrations) (MS/4)		
1223c	\$1.75	Stylized Frog (fish delivering a letter)		S
		2014 August 27 (Marine Life) (Set of 8)		
1233	3c	Green Sea Turtle, <i>Chelonia mydas</i>	Cheloniidae	A*
		2014 September 14 (Frogs & Toads) (2ea MS/4 & 2ea SS/1)		
1246a	\$1.20	Rough-backed Forest Frog, <i>Platymantis corrugatus</i>	Ceratobatrachidae	A*
1246b	\$1.20	Common Tree Frog, <i>Polypedates leucomystax</i>	Rhacophoridae	A*
1246c	\$1.20	Luzon Frog, <i>Hylarana luzonensis</i>	Ranidae	A*
1246d	\$1.20	Wrinkled Ground Frog, <i>Platymantis cagayanensis</i>	Ceratobatrachidae	A*

PALAU (continued)

1247a	\$1.20	Taylor's Wrinkled Ground Frog, <i>Platymantis taylori</i>	Ceratobatrachidae	A*
1247b	\$1.20	Woodworth's Wart Frog, <i>Limnonectes woodworthi</i>	Dicroglossidae	A*
1247c	\$1.20	Pygmy Forest Frog, <i>Platymantis pygmaeus</i>	Ceratobatrachidae	A*
1247d	\$1.20	Kalinga Narrowmouth Toad, <i>Kaloula kalingensis</i>	Microhylidae	A*
1248	SS \$4	Luzon Fanged Frog, <i>Limnonectes macrocephalus</i>	Dicroglossidae	A*
1249	SS \$4	Harlequin Tree Frog, <i>Rhacophorus pardalis</i>	Rhacophoridae	A*

PAPUA NEW GUINEA**2015 March 9** (Traditional Paintings) (Set of 4)

1778	6.20k	Stylized Snake (with Baining fire dancers)		S
1779	8.95k	New Guinea Crocodile, <i>Crocodylus novaeguineae</i> (with hunters)	Crocodylidae	B

PENRHYN**2014 November 28** (Sea Turtles-WWF) (Set of 4, Strip/4 & SS/1)

540	\$1	Pacific Green Sea Turtle, <i>Chelonia mydas japonica</i>	Cheloniidae	A*
541	\$1.70	Pacific Green Sea Turtle, <i>Chelonia mydas japonica</i>	Cheloniidae	A*
542	\$2	Pacific Green Sea Turtle, <i>Chelonia mydas japonica</i>	Cheloniidae	A*
543	\$2.40	Pacific Green Sea Turtle, <i>Chelonia mydas japonica</i>	Cheloniidae	A*
544		Strip of 4 (Sc#544a-d) (like Sc#540-43 without white frames)		
545	SS \$7.50	Pacific Green Sea Turtle, <i>Chelonia mydas japonica</i>	Cheloniidae	A*
	Margin LL:	Pacific Green Sea Turtle, <i>Chelonia mydas japonica</i>	Cheloniidae	Z

ST. PIERRE & MIQUELON**2014 October 18** (Leatherback Turtle)

1003	69c	Leatherback Sea Turtle, <i>Dermochelys coriacea</i> (highly stylized)	Dermochelyidae	S
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SAMOA**2014 August 29** (Pacific SIDS) (Block/18 & MS/6)

1182b	50s	Loggerhead Sea Turtle, <i>Caretta caretta</i>	Cheloniidae	A*
1182		Block of 18 (Sc#1182a-o, 3ea Sc#1182p)		
1184c	\$3.90	Loggerhead Sea Turtle, <i>Caretta caretta</i>	Cheloniidae	A*
1184		MS/6 (Sc#1184a-f)		

2014 August 29 (Pacific Tree Boa-WWF) (Set of 4 & SS/4)

1198	50s	Pacific Tree Boa, <i>Candoia bibroni</i> (w/ white frame) (new)	Boidae	A*
1199	\$2	Pacific Tree Boa, <i>Candoia bibroni</i> (w/ white frame)	Boidae	A*
1200	\$2.70	Pacific Tree Boa, <i>Candoia bibroni</i> (w/ white frame)	Boidae	A*
1201	\$5	Pacific Tree Boa, <i>Candoia bibroni</i> (w/ white frame)	Boidae	A*
1202	50s	Pacific Tree Boa, <i>Candoia bibroni</i>	Boidae	A*
1203	\$2	Pacific Tree Boa, <i>Candoia bibroni</i>	Boidae	A*
1204	\$2.70	Pacific Tree Boa, <i>Candoia bibroni</i>	Boidae	A*
1205	\$5	Pacific Tree Boa, <i>Candoia bibroni</i>	Boidae	A*
1205a		SS of 4 (Sc#1202-05) (w/o white frames)		

2014 July 23 (Official Overprints) (Set of 12)

O20	\$6.60	Samoa Skink, <i>Emoia samoensis</i> (Sc#1174 ovpt)	Scincidae	A*
O22	\$9	Hawksbill Sea Turtle, <i>Eretmochelys imbricata</i> (Sc#1176 ovpt)	Cheloniidae	A*

SENEGAL**2014 November 15** (Lakes & Streams) (Set of 2)

1719	100fr	U/I Turtle (Lake Retba)		U B
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SERBIA**2014 November 17** (Fables) (Set of 4)

683	70d	Stylized Turtle ("The Turtle and the Eagle")		S
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2015 February 19 (Year of the Goat) (Set of 2)

688	23d	Stylized Snake (Zodiac sign)		S
689	74d	Stylized Snake (Zodiac sign)		S

SEYCHELLES**2014 October 9** (Green Sea Turtle) (Joint Issue)

This stamp is part of a joint issue with Comoro Islands, France, French Southern & Antarctic Territories, Madagascar, and Mauritius. All stamps have the same common design and were issued on a SS of six.

904 50r Green Sea Turtle, *Chelonia mydas* Cheloniidae A*

SINGAPORE**2015 April 18** (Lee Kong Chian N. H. Museum) (Set of 4)

1726 \$1.30 Leatherback Sea Turtle, *Dermochelys coriacea* (outline) Dermochelyidae A

SOLOMON ISLANDS**2013 February 15** (Peter Paul Rubens 435th anniv.) (MS/4)

1199b \$6 Stylized Snakes (Ptg: "The Head of Medusa," 1627) S

2013 February 15 (Asia-Pacific Scout Region) (MS/4)

1210a \$7 U/I Snake (in hands of adult Scout leader) U B

2013 February 15 (Solomon Islands Fauna) (SS/1) (new Data)

1215 SS \$24 Waxy Monkey Tree Frog, *Phyllomedusa sauvagii* Hylidae A*
 Margin UL: Waxy Monkey Tree Frog, *Phyllomedusa sauvagii* Hylidae Z*
 LR: Solomon Islands Skink, *Corucia zebrata* Scincidae Z*

2013 May 3 (Frogs of the Pacific Region) (MS/4 & SS/1) (new data)

1294a \$7 Fleay's Barred Frog, *Mixophyes fleayi* Myobatrachidae A*
 1294b \$7 Giant Barred Frog, *Mixophyes iteratus* Myobatrachidae A*
 1294c \$7 Solomon Island Palm Frog, *Palmatorappia solomonis* Ceratobatrachidae A*
 1294d \$7 U/I horned frog (Cap: *Phrynosoma* [a lizard species]) U
 1294 Margin UL: no common name, *Discodeles bufoniformis* Ceratobatrachidae Z*
 LL: Solomon Island Leaf Frog, *Ceratobatrachus guentheri* Ceratobatrachidae Z*
 1306 SS \$20 Pacific Horned Frog, *Ceratophrys stolzmanni* Leptodactylidae A*
 Margin UR: Solomon Island Palm Frog, *Palmatorappia solomonis* Ceratobatrachidae Z*
 MR: Southern Corroboree Frog, *Pseudophryne corroboree* Myobatrachidae Z*
 ML: Crucifix Toad, *Notaden bennettii* Myobatrachidae Z*
 LL: Giant Barred Frog, *Mixophyes iteratus* Myobatrachidae Z*
 Bot: Barred Frog, *Mixophyes coggeri* Myobatrachidae Z*

2013 May 3 (2013: Year of the Snake) (MS/4 & SS/1)

1295a \$7 Stylized purple snake S
 1295b \$7 Stylized green snake S
 1295c \$7 Stylized brown snake S
 1295d \$7 Stylized pink snake S
 1295 Margin UL & LR: Stylized blue snake S Z
 1307 SS \$20 Stylized multicolor snake S
 Margin UL & LR: Stylized blue snake S Z
 LL: Stylized snake (Australian Lunar Series coin) S Z

2013 May 3 (Duke & Duchess of Cambridge Visit) (MS/9)

1312f \$7 Stylized Crocodile (Solomon Islands Coat of Arms) (with Duchess) S C

2013 May 10 (Australian Fauna: Reptiles) (MS/4 & SS/1) (new data)

1333a \$7 Green Sea Turtle, *Chelonia mydas* Cheloniidae A*
 1333b \$7 Blotched Blue-tongued Lizard, *Tiliqua nigrolutea* Scincidae A*
 1333c \$7 Freshwater Crocodile, *Crocodylus johnsoni* Crocodylidae A*
 (Cap/Syn: *Crocodylus johnstoni*)
 1333d \$7 Chappell Island Tiger Snake, *Notechis ater serventyi* ♀ Elapidae A*
 1333 Margin UR: Gippsland Water Dragon, *Intelligama lesueurii howittii* Agamidae Z*
 (Cap/Syn: *Physignathus lesueurii howittii*)

SOLOMON ISLANDS (continued)

1357	SS \$35	Frill-necked Lizard, <i>Chlamydosaurus kingii</i>	Agamidae	A*
	Margin	Top: Blotched Blue-tongued Lizard, <i>Tiliqua nigrolutea</i>	Scincidae	Z*
		LL: Boyd's Forest Dragon, <i>Hypsilurus boydii</i>	Agamidae	Z*
		LR: Lace Monitor, <i>Varanus varius</i>	Varanidae	Z*
2013 May 10 (Australian Fauna: Snakes) (MS/4 & SS/1) (new data)				
1334a	\$7	Eastern Brown Snake, <i>Pseudonaja textilis</i> ♂ (tongue out)	Elapidae	A*
1334b	\$7	Eastern Brown Snake, <i>Pseudonaja textilis</i> ♂ (coiled)	Elapidae	A*
1334c	\$7	Eastern Brown Snake, <i>Pseudonaja textilis</i> ♂ (uncoiled)	Elapidae	A*
1334d	\$7	Tiger Snake, <i>Notechis scutatus</i> ♂	Elapidae	A*
1334	Margin	UR: Eastern Brown Snake, <i>Pseudonaja textilis</i> ♂	Elapidae	Z*
		LL: Common Tree Snake, <i>Dendrelaphis punctulata</i>	Colubridae	Z*
		LR: Coastal Taipan, <i>Oxyuranus scutellatus</i> ♂	Elapidae	Z*
1358	SS \$35	Tiger Snake, <i>Notechis scutatus</i> ♂	Elapidae	A*
	Margin	UL, UR, LR: Eastern Brown Snake, <i>Pseudonaja textilis</i> ♂	Elapidae	Z*
		LL: Inland Taipan, <i>Oxyuranus microlepidotus</i> ♂	Elapidae	Z*
2013 May 10 (Australian Fauna: Crocodiles) (MS/4 & SS/1) (new data)				
1335a	\$7	Saltwater Crocodile, <i>Crocodylus porosus</i> (face forward)	Crocodylidae	A*
1335b	\$7	Saltwater Crocodile, <i>Crocodylus porosus</i> (face right)	Crocodylidae	A*
1335c	\$7	Saltwater Crocodile, <i>Crocodylus porosus</i> (face left)	Crocodylidae	A*
1335d	\$7	Saltwater Crocodile, <i>Crocodylus porosus</i> (mouth open)	Crocodylidae	A*
1335	Margin	LL & LR: Saltwater Crocodile, <i>Crocodylus porosus</i>	Crocodylidae	Z*
1359	SS \$35	Saltwater Crocodile, <i>Crocodylus porosus</i>	Crocodylidae	A*
	Margin	Top, LL, & LR: Saltwater Crocodile, <i>Crocodylus porosus</i>	Crocodylidae	Z*
2013 August 30 (Solomon Islands Skink) (MS/4 & SS/1) (new data)				
1378a	\$7	Solomon Islands Skink, <i>Corucia zebrata</i> (head to right)	Scincidae	A*
1378b	\$7	Solomon Islands Skink, <i>Corucia zebrata</i> (head to left)	Scincidae	A*
1378c	\$7	Solomon Islands Skink, <i>Corucia zebrata</i> (on branch)	Scincidae	A*
1378d	\$7	Solomon Islands Skink, <i>Corucia zebrata</i> (behind branch)	Scincidae	A*
1396	SS \$35	Solomon Islands Skink, <i>Corucia zebrata</i>	Scincidae	A*
	Margin	UR & LR: Solomon Islands Skink, <i>Corucia zebrata</i>	Scincidae	Z*
2013 November 22 (Turtles) (MS/4 & SS/1) (new data)				
1433a	\$7	Hawksbill Sea Turtle, <i>Eretmochelys imbricata</i>	Cheloniidae	A*
1433b	\$7	Green Sea Turtle, <i>Chelonia mydas</i>	Cheloniidae	A*
1433c	\$7	Leatherback Sea Turtle, <i>Dermochelys coriacea</i>	Dermochelyidae	A*
1433d	\$7	Olive Ridley Sea Turtle, <i>Lepidochelys olivacea</i>	Cheloniidae	A*
1451	SS \$35	Loggerhead Sea Turtle, <i>Caretta caretta</i>	Cheloniidae	A*
	Margin	UR: Green Sea Turtle, <i>Chelonia mydas</i>	Cheloniidae	Z*
		Bot: Hawksbill Sea Turtle, <i>Eretmochelys imbricata</i>	Cheloniidae	Z*
2014 March 10 (Marine Life) (MS/4) (new data)				
1547d	\$7	Green Sea Turtle, <i>Chelonia mydas</i>	Cheloniidae	A*
2014 July 3 (50th anniv. of IUCN Red List) (MS/4) (new data)				
1567d	\$7	Growling Grass Frog, <i>Litoria raniformis</i>	Ranidae	A*
2014 July 3 (Divers of the Solomon Islands) (MS/4)				
1575d	\$7	Leatherback Sea Turtle, <i>Dermochelys coriacea</i>	Dermochelyidae	B*

SOLOMON ISLANDS (continued) **2014 August 25** (World of Turtles) (MS/4 & SS/1) (new data)

1623a	\$7	Galápagos Giant Tortoise, <i>Chelonoidis nigra</i>	Testudinidae	A*
1623b	\$7	European Pond Turtle, <i>Emys orbicularis</i>	Emydidae	A*
1623c	\$7	Gopher Tortoise, <i>Gopherus polyphemus</i>	Testudinidae	A*
1623d	\$7	Red-eared Slider, <i>Trachemys scripta elegans</i>	Emydidae	A*
1623	Margin	LL: Hawksbill Sea Turtle, <i>Eretmochelys imbricata</i>	Cheloniidae	Z*
		LR: Common Box Turtle, <i>Terrapene carolina</i>	Emydidae	Z*
1641	SS \$35	African Spurred Tortoise, <i>Centrochelys sulcata</i> (Cap/Syn: <i>Geochelone sulcata</i>)	Testudinidae	A*
	Margin	LL: Radiated Tortoise, <i>Astrochelys radiata</i>	Testudinidae	Z*
		LR: Red-eared Slider, <i>Trachemys scripta elegans</i>	Emydidae	Z*

2014 November 28 (Turtles) (MS/4 & SS/1)

1699a	\$7	Green Sea Turtle, <i>Chelonia mydas</i>	Cheloniidae	A*
1699b	\$7	Kemp's Ridley Sea Turtle, <i>Lepidochelys kempii</i>	Cheloniidae	A*
1699c	\$7	Hawksbill Sea Turtle, <i>Eretmochelys imbricata</i>	Cheloniidae	A*
1699d	\$7	Loggerhead Sea Turtle, <i>Caretta caretta</i>	Cheloniidae	A*
1699	Margin	UL & LL: Hawksbill Sea Turtle, <i>Eretmochelys imbricata</i>	Cheloniidae	Z*
1719	SS \$35	Olive Ridley Sea Turtle, <i>Lepidochelys olivacea</i>	Cheloniidae	A*
	Margin	L: Green Sea Turtle, <i>Chelonia mydas</i>	Cheloniidae	Z*

2014 November 28 (2015: Year of the Goat) (MS/4)

1705a	\$7	Stylized Snake (Zodiac sign)		S
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2014 December 20 (Reptiles) (MS/4 & SS/1)

1735a	\$5	Veiled Chameleon, <i>Chamaeleo calypttratus</i> (new)	Chamaeleonidae	A*
1735b	\$5	African Spurred Tortoise, <i>Centrochelys sulcata</i>	Testudinidae	A*
1735c	\$5	Pope's Pit Viper, <i>Trimeresurus popeorum</i> ♀ (new)	Viperidae	A*
1735d	\$5	Saltwater Crocodile, <i>Crocodylus porosus</i>	Crocodylidae	A*
1735	Margin	L: Reticulated Python, <i>Python reticulatus</i>	Pythonidae	Z*
1755	SS \$24	Hawksbill Sea Turtle, <i>Eretmochelys imbricata</i>	Cheloniidae	A*
	Margin	L: Saltwater Crocodile, <i>Crocodylus porosus</i>	Crocodylidae	Z*

2014 December 20 (Endangered Animals) (MS/4)

1738d	\$5	Loggerhead Sea Turtle, <i>Caretta caretta</i>	Cheloniidae	A*
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TANZANIA**2013 December 31** (Reptiles of Africa) (MS/4 & SS/1)

2725a	2000sh	Two-horned Chameleon, <i>Kinyongia multituberculata</i> (new)	Chamaeleonidae	A*
2725b	2000sh	Strange-nosed Chameleon, <i>Kinyongia xenorhina</i> (new)	Chamaeleonidae	A*
2725c	2000sh	Jackson's Chameleon, <i>Trioceros jacksonii</i> (new)	Chamaeleonidae	A*
2725d	2000sh	Lined Day Gecko, <i>Phelsuma lineata</i>	Gekkonidae	A*
2725	Margin	R: Satanic Leaf-tailed Gecko, <i>Uroplatus phantasticus</i> (new)	Gekkonidae	Z*
2726	SS 5500sh	Satanic Leaf-tailed Gecko, <i>Uroplatus phantasticus</i> (new)	Gekkonidae	A*

THAILAND**2014 January 1** (Year of the Horse) (SS/6)

2796a	SS 30b	SS of 6 (including Sc#2726, Stylized Snake)		S
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2014 July 10 (Amphibians) (Set of 4 & SS/4) (new data)

2816	5b	Big-eared Toad, <i>Ingerophrynus macrotis</i>	Bufoidea	A*
2817	5b	Black-webbed Tree Frog, <i>Rhacophorus kio</i>	Rhacophoridae	A*
2818	5b	Long-nosed Horned Frog, <i>Megophrys nasuta</i>	Megophryidae	A*
2819	5b	Common Green Frog, <i>Hylarana erythraea</i>	Ranidae	A*
2819a	SS 35b	SS of 4 (like Sc#2816–19, perf 13¼)		

TONGA**2014 May 20** (Pacific SIDS) (Block/18 & MS/6)

1253o	45s	Banded Sea Krait, <i>Laticauda colubrina</i> ♂ (new)	Elapidae	A*
1253		Block of 18 (Sc#1253a–o, 3ea Sc#1253p)		
1256f	2.60pa	Banded Sea Krait, <i>Laticauda colubrina</i> ♂	Elapidae	A*
1256		MS of 6 (Sc#1256a–f)		

TURKEY**2014 June 18** (Tourist Attractions) (Set of 4)

O318	15k	U/I Sea Turtle (with diver)		U B
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TUVALU**2014 September 3** (Sea Turtles) (2ea MS/4 & 2ea SS/2)

1306a	\$1.40	Hawksbill Sea Turtle, <i>Eretmochelys imbricata</i> (face UR)	Cheloniidae	A*
1306b	\$1.40	Hawksbill Sea Turtle, <i>Eretmochelys imbricata</i> (face front)	Cheloniidae	A*
1306c	\$1.40	Hawksbill Sea Turtle, <i>Eretmochelys imbricata</i> (face R)	Cheloniidae	A*
1306d	\$1.40	Hawksbill Sea Turtle, <i>Eretmochelys imbricata</i> (face UL)	Cheloniidae	A*
1306	Margin	L: Hawksbill Sea Turtle, <i>Eretmochelys imbricata</i>	Cheloniidae	Z*
1307a	\$1.40	Hawksbill Sea Turtle, <i>Eretmochelys imbricata</i> (face UL)	Cheloniidae	A*
1307b	\$1.40	Hawksbill Sea Turtle, <i>Eretmochelys imbricata</i> (face top)	Cheloniidae	A*
1307c	\$1.40	Hawksbill Sea Turtle, <i>Eretmochelys imbricata</i> (face LL)	Cheloniidae	A*
1307d	\$1.40	Hawksbill Sea Turtle, <i>Eretmochelys imbricata</i> (face L)	Cheloniidae	A*
1307	Margin	L: Hawksbill Sea Turtle, <i>Eretmochelys imbricata</i>	Cheloniidae	Z*
1308a	\$2.25	Green Sea Turtle, <i>Chelonia mydas</i> (face R on beach)	Cheloniidae	A*
1308b	\$2.25	Green Sea Turtle, <i>Chelonia mydas</i> (face L on beach)	Cheloniidae	A*
1308	Margin	Bot: Green Sea Turtle, <i>Chelonia mydas</i> (juvenile)	Cheloniidae	Z*
1309a	\$2.25	Green Sea Turtle, <i>Chelonia mydas</i> (face R in water)	Cheloniidae	A*
1309b	\$2.25	Green Sea Turtle, <i>Chelonia mydas</i> (face R in water)	Cheloniidae	A*
1309	Margin	Top: Green Sea Turtle, <i>Chelonia mydas</i>	Cheloniidae	Z*

UGANDA**2012 March 30** (Reptiles) (MS/4 & SS/1)

1936a	3400sh	Graceful Chameleon, <i>Chamaeleo gracilis</i>	Chamaeleonidae	A*
1936b	3400sh	Leopard Tortoise, <i>Stigmochelys pardalis</i>	Testudinidae	A*
1936c	4100sh	Gaboon Viper, <i>Bitis gabonica</i> ♂	Viperidae	A*
1936d	4100sh	Nile Crocodile, <i>Crocodylus niloticus</i>	Crocodylidae	A*
1936	Margin	Bot: Graceful Chameleon, <i>Chamaeleo gracilis</i>	Chamaeleonidae	Z*
		LR: Nile Crocodile, <i>Crocodylus niloticus</i>	Crocodylidae	Z*
1946	SS 8300sh	Gaboon Viper, <i>Bitis gabonica</i> ♂	Viperidae	A*
	Margin	LL: Graceful Chameleon, <i>Chamaeleo gracilis</i>	Chamaeleonidae	Z*
		Bot: Leopard Tortoise, <i>Stigmochelys pardalis</i>	Testudinidae	Z*
		LR: Gaboon Viper, <i>Bitis gabonica</i> ♂	Viperidae	Z*
		UR: Common Egg-eating Snake, <i>Dasyplectis scabra</i>	Colubridae	Z*

2013 July 8 (Endangered/Vulnerable Species) (MS/4 & SS/1)

2024a	1000sh	Aldabra Giant Tortoise, <i>Aldabrachelys gigantea</i>	Testudinidae	A*
2024b	4000sh	Home's Hinge-back Tortoise, <i>Kinixys homeana</i> (new)	Testudinidae	A*
2024c	7500sh	Kleinmann's Tortoise, <i>Testudo kleinmanni</i>	Testudinidae	A*
2024d	7500sh	Pancake Tortoise, <i>Malacochersus tornieri</i>	Testudinidae	A*
2034	SS 7500sh	Spider Tortoise, <i>Pyxis arachnoides</i>	Testudinidae	A*
	Margin	L: Kleinmann's Tortoise, <i>Testudo kleinmanni</i>	Testudinidae	Z*
		Bot: Loggerhead Sea Turtle, <i>Caretta caretta</i>	Cheloniidae	Z*
2028a	1800sh	Dwarf Crocodile, <i>Osteolaemus tetraspis</i>	Crocodylidae	A*
2028b	1800sh	Armadillo Girdled Lizard, <i>Ouroborus cataphractus</i>	Cordylidae	A*
2028c	7500sh	African Slender-snouted Crocodile, <i>Mecistops cataphractus</i>	Crocodylidae	A*
2028d	7500sh	Leopard Fringe-fingered Lizard, <i>Acanthodactylus pardalis</i>	Lacertidae	A*
2038	SS 7500sh	Labord's Chameleon, <i>Furcifer labordi</i>	Chamaeleonidae	A*
	Margin	LL: Giant Girdled Lizard, <i>Smaug giganteus</i>	Cordylidae	Z*

UGANDA (continued)

2032c	4000sh	Chinese Alligator, <i>Alligator sinensis</i>	Alligatoridae	A*
2013 November 25 (Stamps-on-Stamps) (MS/4 & SS/1)				
2074a	2500sh	Loggerhead Sea Turtle, <i>Caretta caretta</i> (N. Zealand Sc#1698)	Cheloniidae	A*
2074b	2500sh	Galápagos Tortoise, <i>Chelonoidis nigra</i> (Benin unlisted label)	Testudinidae	A*
2074c	2500sh	Galápagos Tortoise, <i>Chelonoidis nigra</i> (Tanzania Sc#1128)	Testudinidae	A*
2074d	2500sh	Leatherback Sea Turtle, <i>Dermochelys coriacea</i> (Vietnam #1968)	Dermochelyidae	A*
2082	SS 7500sh	Green Sea Turtle, <i>Chelonia mydas</i> (Vietnam Sc#1969)	Cheloniidae	A*
	Margin	Top: <i>Placochelys placodonta</i> (Hungary Sc#1996)	†Placochelyidae	Z
		UR: Loggerhead Sea Turtle, <i>Caretta caretta</i> (Greece Sc#1675)	Cheloniidae	Z*
		MR: Indian Star Tortoise, <i>Geochelone elegans</i> (Azerbaijan #523)	Testudinidae	Z*
		LR: Painted Turtle, <i>Chrysemys picta</i> (Rwanda unlisted label)	Emydidae	Z*
2084	SS 7500sh	Common Golden Tree Frog, <i>Hyla aurea</i> (Vietnam Sc#2281)	Hylidae	A*
2014 April 1 (Reptiles) (MS/4 & SS/1)				
2109a	3000sh	Red-headed Rock Agama, <i>Agama agama</i>	Agamidae	A*
2109b	3000sh	Nile Crocodile, <i>Crocodylus niloticus</i>	Crocodylidae	A*
2109c	3000sh	African Spurred Tortoise, <i>Centrochelys sulcata</i>	Testudinidae	A*
2109d	3000sh	Eastern Green Mamba, <i>Dendroaspis angusticeps</i> ☞	Elapidae	A*
2110	SS 8800sh	Cape Cobra, <i>Naja nivea</i> ☞	Elapidae	A*
	Margin	R: Cape Cobra, <i>Naja nivea</i> ☞	Elapidae	Z

UKRAINE**2014 February 14** (Horodecki Architecture) (MS/10)

958b	2h	Sculpture of woman and Frogs from House of Chimeras		S B
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URUGUAY**2014 November 5** (Fauna) (Set of 2)

2491	15p	San Martin Redbelly Toad, <i>Melanophryniscus sanmartini</i>	Bufoidea	A*
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VIETNAM**2014 April 1** (Tree Frogs) (Set of 5)

3494	3000d	<i>Rhacophorus puerensis</i>	Rhacophoridae	A*
3495	4500d	Annam Flying Frog, <i>Rhacophorus annamensis</i>	Rhacophoridae	A*
3496	6000d	<i>Rhacophorus robertingeri</i>	Rhacophoridae	A*
3497	8000d	Black-webbed Tree Frog, <i>Rhacophorus kio</i>	Rhacophoridae	A*
3498	10000d	Red-webbed Tree Frog, <i>Rhacophorus rhodopus</i>	Rhacophoridae	A*

VANUATU**2014 May 7** (Intl. Theater Festival, 25th anniv.) (Set of 4)

1072	40v	Turtle & turtle silhouette on film poster, <i>Vanua-Tai...of Land and Sea</i>		S C
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WALLIS & FUTUNA ISLANDS **2014 June 16** (Turtles of Fatumanini)

748	65fr	Green Sea Turtle, <i>Chelonia mydas</i>	Cheloniidae	A*
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ZIMBABWE**2014 December 9** (Frogs) (Set of 4 & SS/4)

1189	30c	Swynnerton's Reed Frog, <i>Hyperolius swynnertoni</i> (new)	Hyperoliidae	A*
1190	75c	African Bullfrog, <i>Pyxicephalus adspersus</i>	Pyxicephalidae	A*
1191	85c	Bushveld Rain Frog, <i>Breviceps adspersus</i>	Brevicipitidae	A*
1192	\$1	Inyangani River Frog, <i>Amietia inyangae</i> (new)	Pyxicephalidae	A*
1192a		SS of 4 (Sc#1189-92) (imperf)		



ICHTHYOLOGY

Editor

Kris P. Lindstrom, LM77

New Listings



Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
ALGERIA		2013 December 24 (Fish Farming) (Set of 2)		
1604	15d	Floating cages (no fish)		R
1605	20d	Grass Carp, <i>Ctenopharyngodon idella</i>	Cyprinidae	A*
		2014 December 22 (Expo Milan) (Set of 2)		
1640	38d	Stylized fish & fruit		S
ARUBA		2014 November 10 (Fishing Boats) (Block/4)		
444a	250c	Six fishing boats (no fish)		R
444b	275c	Laly fishing boat (no fish)		R
444c	300c	Pikudito & other boats (no fish)		R
444d	325c	Phasha & another boat (no fish)		R
AUSTRALIA		2014 September 23 (Venomous Creatures) (Set of 6, Bklt, & SS/6)		
4178	70c	Red Lionfish, <i>Pterois volitans</i>	Scorpaenidae	A*
4181	70c	Stonefish, <i>Synanceia verrucosa</i>	Synanceiidae	A*
4182	70c	Common Stingaree, <i>Trygonoptera testacea</i>	Urolophidae	A*
4182a	70c	SS/6 (Sc#4177-82) (perf 14×14¾)		
4184	70c	Common Stingaree, <i>Trygonoptera testacea</i>	Urolophidae	A*
4185	70c	Red Lionfish, <i>Pterois volitans</i>	Scorpaenidae	A*
4188	70c	Stonefish, <i>Synanceia verrucosa</i>	Synanceiidae	A*
4188a	70c	Bklt/10 (Sc#4185, 4188, 2ea Sc#4183-84, 4186-87) (s/a)		
4188b	70c	Bklt/20 (3ea Sc#4183, 4185, 4187-88, 4ea Sc#4184, 4186) (s/a)		
BAHAMAS		2014 August 16 (First Undersea Post Office, 75th anniv.) (Set of 4)		
1416	15c	Various U/I fish		U C
1417	50c	Various U/I fish		U C
1418	65c	Various U/I fish		U C
1419	70c	Various U/I fish		U C
BELGIUM		2015 June 29 (Shrimp Fisherman)		
2765	€1.32	Fisherman (shrimp fisherman on horseback)		R
BRAZIL		2013 May 26 (Diplomatic Relations with Georgia) (Horiz pair)		
3244b	2.90r	Ptg: "Fisherman in a Red Shirt" by Pirosmani (no fish)		R
		2014 June 3 (Intl Year of Family Farming) (Horiz pair)		
3276	1.50r	Stylized fish in stream		S
CROATIA		2015 June 15 (Marine Life) (MS/4) (s/a)		
C5a	5.80k	Long-snouted Seahorse, <i>Hippocampus reidi</i>	Syngnathidae	A*
CUBA		2013 March 12 (Pets) (Set of 6)		
5380	75c	Stylized fish skeletons in background (with cat)		S C
		2013 April 3 (Prehistoric Animals) (SS/1)		
5390	SS 1p	U/I fish (chased by <i>Vinialesaurus</i>)		U B

CUBA (continued)		2013 April 10 (Australia 2013 Intl. Philatelic Exhibition) (Horiz pair)	
5393a	45c	Stylized Garfish, <i>Belone belone</i>	Belonidae S
		2013 October 22 (Famous People) (SS/1)	
5453	SS 1p	Marlin (on fishing line, with Hemingway)	Istiophoridae G B
CURAÇAO		2012 (New Constitution Type of 2011)	
13A	8c	Schoolmaster Snapper, <i>Lutjanus apodus</i>	Lutjanidae A*
13B	115c	Spotfin Butterflyfish, <i>Chaetodon ocellatus</i>	Chaetodontidae A*
13C	171c	Cherubfish, <i>Centropyge argi</i>	Pomacanthidae A*
		2014 October 14 (Marine Life Caricatures) (Set of 5)	
206	119c	Caricature of Fish	S
CZECH REPUBLIC		2014 September 3 (Flora & Fauna of Beskid Mtns.) (MS/4+3 labels)	
3613	Margin	LL: Alpine Bullhead, <i>Cottus poecilopus</i>	Cottidae Z*
DOMINICAN REPUBLIC		2014 November 20 (Wildlife: Fish) (MS/12)	
1564a	25p	French Angelfish, <i>Pomacanthus paru</i>	Pomacanthidae A*
1564b	25p	Queen Angelfish, <i>Holacanthus ciliaris</i>	Pomacanthidae A*
1564c	25p	Harlequin Bass, <i>Serranus tigrinus</i>	Serranidae A*
1564d	25p	Haitian Cichlid, <i>Nandopsis haitiensis</i>	Cichlidae A*
1564e	25p	French Grunt, <i>Haemulon flavolineatum</i>	Haemulidae A*
1564f	25p	Porkfish, <i>Anisotremus virginicus</i>	Haemulidae A*
1564g	25p	American Whitespotted Filefish, <i>Cantherhines macrocerus</i>	Monacanthidae A*
1564h	25p	Mountain Mullet, <i>Agonostomus monticola</i>	Mugilidae A*
1564i	25p	Nassau Grouper, <i>Epinephelus striatus</i>	Serranidae A*
1564j	25p	Green Moray, <i>Gymnothorax funebris</i>	Muraenidae A*
1564k	25p	Trumpetfish, <i>Aulostomus maculatus</i>	Aulostomidae A*
1564l	25p	Southern Stingray, <i>Dasyatis americana</i>	Dasyatidae A*
FIJI		2014 July 28 (Sharks) (Set of 4)	
1305	50c	Blacktip Reef Shark, <i>Carcharhinus melanopterus</i>	Carcharhinidae A*
1306	90c	Silky Shark, <i>Carcharhinus falciformis</i>	Carcharhinidae A*
1307	\$1.20	Oceanic Whitetip Shark, <i>Carcharhinus longimanus</i>	Carcharhinidae A*
1308	\$5	Bigeye Thresher Shark, <i>Alopias superciliosus</i>	Alopiidae A*
FINLAND		2014 October 23 (Changes in Everyday Items) (Bklt/6)	
1478b	€1	U/I fish (with other food)	U B
FRANCE		2014 October 9 (Green Sea Turtle) (Joint Issue)	
4695	98c	Various U/I fish (with Green Sea Turtle)	U C
FRENCH POLYNESIA		2014 May 16 (Graffiti Art by Enos) (Bklt/6)	
1126f	100fr	Stylized Shark	S B
FRENCH SOUTHERN & ANTARCTIC		2014 October 9 (Green Sea Turtle) (Joint Issue)	
511	€1.05	Various U/I fish (with Green Sea Turtle)	U C
		2015 January 1 (Fish of Adélie Land) (MS/4)	
525a	66c	Spiny Icefish, <i>Chaenodraco wilsoni</i>	Channichthyidae A*
525b	66c	Meyers' Icefish, <i>Chionodraco myersi</i>	Channichthyidae A*
525c	€1.05	no common name, <i>Pagetopsis macropterus</i>	Channichthyidae A*
525d	€1.55	no common name, <i>Pagetopsis maculatus</i>	Channichthyidae A*
GERMANY		2014 December 4 (Reintroduction of Sea Trout)	
2812	45c	Sea Trout, <i>Salmo trutta</i>	Salmonidae A*

GERMANY (continued)		2015 June 11 (Master Bertram Altarpiece) (Bklt/10) (s/a)		
2849	240c	Stylized fish in Ptg background		S C
GHANA		2014 March 19 (Qi Baishi Paintings) (SS/2)		
2802	Margin	UL, LL, Bot: Stylized fish		S Z
GREAT BRITAIN		2014 June 5 (Fish) (2ea Horiz strip/5)		
3295	(62p)	Herring, <i>Clupea harengus</i>	Clupeidae	A*
3296	(62p)	Red Gurnard, <i>Aspitrigla cuculus</i>	Triglidae	A*
3297	(62p)	Common Dab, <i>Limanda limanda</i>	Pleuronectidae	A*
3298	(62p)	Pouting, <i>Trisopterus luscus</i>	Gadidae	A*
3299	(62p)	Cornish Sardine or European Pilchard, <i>Sardina pilchardus</i>	Clupeidae	A*
3300	(62p)	Common Skate, <i>Raja batis</i>	Rajidae	A*
3301	(62p)	Spiny Dogfish, <i>Squalus acanthias</i>	Squalidae	A*
3302	(62p)	Atlantic Wolffish, <i>Anarhichas lupus</i>	Anarhichadidae	A*
3303	(62p)	European Sturgeon, <i>Acipenser sturio</i>	Acipenseridae	A*
3304	(62p)	Conger Eel, <i>Conger conger</i>	Congridae	A*
		2014 August 18 (Fish Type of 2014) (Bklt/6) (s/a)		
3318	(62p)	Common Skate, <i>Raja batis</i>	Rajidae	A*
3319	(62p)	Cornish Sardine or European Pilchard, <i>Sardina pilchardus</i>	Clupeidae	A*
3319a		Bklt/6 (Sc#3318–19, 4ea Sc#MH426)		
GREECE		2014 August 8 (Greek Scenes) (Set of 3)		
2647	80c	Fishing boat		R
2647a		Bklt/10 (Sc#2647)		
GREENLAND		2014 October 20 (Hunter's Life) (Set of 2)		
680	50o	Stylized fish (salmon, halibut, others)		S B
681	45k	Stylized fish (salmon, halibut, others)		S B
		2015 January 19 (Hunter's Life) (Set of 2)		
690	11k	Stylized fish (salmon, halibut, others)		S B
691	19k	Stylized fish (salmon, halibut, others)		S B
GUYANA		2014 September 4 (Mei Lanfang, Chinese Opera Performer) (MS/6)		
4357c	\$200	U/I fish (with tree)		U B
HONG KONG		2014 September 18 (Hong Kong 2015 Intl. Stamp Expo) (SS/1)		
1682	SS \$20	Stylized fish		S B
HUNGARY		2014 September 9 (Fauna of Hungary: Insects) (SS/1)		
4331	Margin	LR: U/I minnow (with dragonfly nymph)		U Z
ICELAND		2014 November 6 (Paintings) (Set of 4)		
1358	180k	U/I fish (Ptg by Blöndal)		U B
IRAN		2013 March 20 (Fish) (MS/4)		
3085a	3000r	Carp, <i>Cyprinus carpio</i>	Cyprinidae	A*
3085b	3600r	Caspian Kutum, <i>Rutilus frisii kutum</i>	Cyprinidae	A*
3085c	3900r	Zander, <i>Sander</i> (= <i>Stizostedion</i>) <i>lucioperca</i>	Percidae	A*
3085d	4600r	no common name, <i>Salmo trutta caspius</i>	Salmonidae	A*
3085	Margin	Bot: Persian Sturgeon, <i>Acipenser persicus</i>	Acipenseridae	Z*
		2013 March 25 (New Year) (SS1)		
3086	SS 15000r	Goldfish, <i>Carassius auratus</i>	Cyprinidae	C*
ISRAEL		2014 June 23 (Palmer Gate Street, Haifa)		
2021	9.60s	Stylized fish in sky		S

JAPAN		2014 May 15 (Flora & Fauna) (Vert strip/5)		
3682	82¥	Tokyo Bitterling, <i>Tanakia tanago</i>	Cyprinidae	A*
		2014 July 23 (Definitives) (Bklt/10) (s/a)		
3705	52¥	Stylized Goldfish, <i>Carassius carassius</i>	Cyprinidae	S
3713a		Bklt/10 (Sc#3704–13)		
		2014 August 1 (Artworks) (MS/10)		
3724d	82¥	“Fishing Boats Netting Flounder,” by Hiroshige Utagawa		R
		2014 October 23 (Definitive)		
3749	52¥	Stylized fish		S
		2014 October 30 (Japanese Foods) (Horiz pair)		
3754	18¥	Sushi (fish)		S
KAZAKHSTAN		2015 January 12 (Naurzum Nature Reserve) (SS/3)		
735b	200te	Fish (in talons of fish eagle)		U C
KENYA		2012 June 22 (UN Environment Program, 40th anniv.) (Set of 3)		
861	30sh	U/I fish (CITES)		U C
KOREA (North)		2013 March 21 (Marine Life) (MS/4)		
5168a	30w	Great White Shark, <i>Carcharodon carcharias</i>	Carcharhinidae	A*
5168c	90w	Pacific Pompano, <i>Peprilus simillimus</i>	Stromateidae	A*
5168d	110w	Thorny Seahorse, <i>Hippocampus histrix</i>	Syngnathidae	A*
5168	Margin	UL: U/I shark		U Z
		UL & UR: U/I fish schools		U Z
		LL: U/I reef fish		U Z
LAOS		2013 July 6 (Fish) (Set of 4 & SS/4)		
1869	2000k	no common name, <i>Clupisoma sinense</i>	Schilbeidae	A*
1870	4000k	no common name, <i>Hemibagrus filamentus</i>	Bagridae	A*
1871	6000k	Mekong Giant Catfish, <i>Pangasianodon gigas</i>	Pangasiidae	A*
1872	9000k	Giant Devil Catfish, <i>Bagarius yarrelli</i>	Sisoridae	A*
1872a		SS/4 (Sc#1969–72) (also imperf)		
LIBYA		2014 April 2 (Tripoli International Fair) (MS/6)		
1788d	500d	Cooked fish (Bazin with fish)		G
1788f	500d	Cooked fish (Couscous with fish)		G
LITHUANIA		2014 May 24 (Protection of the Baltic Sea)		
1027	2.90L	Stylized fish skeleton		S B
1027a		Tete-beche pair (Sc#1027)		
1027b		SS/3 (Sc#1027a)		
MACEDONIA		2014 May 28 (Goldfish) (Set of 2)		
652	21d	Goldfish, <i>Carassius carassius</i>	Cyprinidae	A*
653	60d	Goldfish, <i>Carassius carassius</i>	Cyprinidae	A*
MADACASGAR		1998–99		
1487	500fr	Zebra Shark, <i>Stegostoma tigrinum</i> (Sc#1285 sur)	Stegostomatidae	A*
MARSHALL ISLANDS		2014 October 20 (Seahorses) (Horiz strip/4)		
1097a	49c	Thorny Seahorse, <i>Hippocampus histrix</i>	Syngnathidae	A*
1097b	49c	Lined Seahorse, <i>Hippocampus erectus</i> (facing left)	Syngnathidae	A*
1097c	49c	Lined Seahorse, <i>Hippocampus erectus</i> (facing right)	Syngnathidae	A*
1097d	49c	Lined Seahorse, <i>Hippocampus erectus</i> (facing left-rear)	Syngnathidae	A*

MARSHALL ISLANDS (continued) **2015 January 28** (Reef Life Type of 1993) (MS/7)

1103a	\$1	Merten's Butterflyfish, <i>Chaetodon mertensii</i>	Chaetodontidae	A*
1103b	\$1	Yellowfin Soldierfish, <i>Myripristis chryseres</i>	Holocentridae	A*
1103c	\$1	Sapphire Devil, <i>Chrysiptera cyanea</i>	Pomacentridae	A*
1103d	\$1	Longnose Filefish, <i>Oxymonacanthus longirostris</i>	Monacanthidae	A*
1103e	\$1	Arc-eye Hawkfish, <i>Paracirrhites arcatus</i>	Cirrhitidae	A*
1103f	\$1	Powder Blue Surgeonfish, <i>Acanthurus leucosternon</i>	Acanthuridae	A*
1103g	\$2.50	Bridled Parrotfish, <i>Scarus sexvittatus</i>	Scaridae	A*
1103	Margin	Ctr: U/I Seahorse		U Z
		UL & UR: Stylized school fish		S Z

2015 February 23 (Rays) (Set of 4)

1106	7c	Manta Ray, <i>Manta</i> sp.	Myliobatidae	A*
1107	22c	Spotted Eagle Ray, <i>Aetobatus narinari</i> (light brown)	Myliobatidae	A
1108	35c	Spotted Eagle Ray, <i>Aetobatus narinari</i> (dark brown)	Myliobatidae	A
1109	\$1.20	Southern Stingray, <i>Dasyatis americana</i>	Dasyatidae	A*

2015 April 13 (Marine Life) (MS/15)

1113a	49c	Blue Tang, <i>Acanthurus coeruleus</i>	Acanthuridae	A
1113c	49c	Hammerhead Shark, <i>Sphyrna zygaena</i>	Sphyrnidae	A
1113f	49c	Seahorse, <i>Syngnathus</i> sp.	Syngnathidae	A
1113j	49c	Flying Gurnard, <i>Dactyloptena orientalis</i>	Dactylopteridae	A
1113k	49c	Spotted Trunkfish, <i>Lactophrys bicaudalis</i>	Ostraciidae	A
1113l	49c	Foureye Butterflyfish, <i>Chaetodon capistratus</i>	Carcharhinidae	A
1113o	49c	Blue Shark, <i>Prionace glauca</i>	Chaetodontidae	A

MEXICO**2014 November 24** (World Food Day) (Vert pair)

2910	13.50p	Tilapia, <i>Tilapia</i> sp. (in fisherman's hand)	Cichlidae	B*
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MICRONESIA**2014 August 27** (Tropical Fish) (2ea MS/4 & 2ea SS/2)

1094a	75c	Clownfish, <i>Amphiprion ocellatus</i> (facing front)	Pomacentridae	A*
1094b	75c	Same species (facing UR)		A*
1094c	75c	Same species (facing left)		A*
1094d	75c	Same species (facing right)		A*
1094	Margin	Bot: Same species		Z*
1095a	75c	Barcheek or Orangespine Unicornfish, <i>Naso lituratus</i>	Acanthuridae	A*
1095b	75c	Red Discus, <i>Symphysodon discus</i>	Cichlidae	A*
1095c	75c	Old Woman Angelfish, <i>Pomacanthus rhomboides</i>	Pomacanthidae	A*
1095d	75c	Lined Surgeonfish, <i>Acanthurus lineatus</i>	Acanthuridae	A*
1095	Margin	Top: Copperband Butterflyfish, <i>Chelmon rostratus</i>	Chaetodontidae	Z*
1096a	SS \$2	Clownfish, <i>Amphiprion ocellatus</i> (facing front)	Pomacentridae	A*
1096b	SS \$2	Same species (facing left)		A*
1096	Margin	Bot: Same species (facing front)		Z*
1097a	SS \$2	Clownfish, <i>Amphiprion ocellatus</i> (anemone at right)	Pomacentridae	A*
1097b	SS \$2	Same species (anemone at left)		A*

2014 September 15 (Seaglass) (MS/4)

1099	Margin	R: Seahorse, <i>Hippocampus</i> sp.	Syngnathidae	Z*
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MOLDOVA**2014 September 30** (Traditional Dishes) (Set of 4)

834	1L	Two fried fish (herring?)		G
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2014 November 7 (Fauna) (Set of 6 & SS/6)

840	2L	Carp, <i>Cyprinus carpio</i>	Cyprinidae	A*
843a		SS/6 (Sc#838-43)		

MONACO		2015 January 21 (Posidonia Oceanica)		
2785	68c	U/I marine fish		U C
NETHERLANDS		2014 July 14 (Dutch Connections with Japan) (MS/6)		
1475b	€1.05	Stylized origami fish in background		S C
NEVIS		2014 September 4 (Coral Reefs) (MS/8)		
1831a	\$3.25	U/I reef fish (school)		U C
1831g	\$3.25	U/I butterflyfish (pair)		U C
1831h	\$3.25	U/I reef fish (individual)		U C
NEW CALEDONIA		2014 April 22 (North & East Coastal Zone)		
1174	110fr	Blacktip Reef Shark, <i>Carcharhinus melanopterus</i>	Carcharhinidae	B*
		Manta Ray, <i>Manta</i> sp.	Myliobatidae	B*
		2014 June 6 (Landscapes & Wildlife) (Set of 4)		
1179	110fr	Golden Damselfish, <i>Amblyglyphidodon aureus</i>	Pomacentridae	A*
PALAU		2014 July 30 (45th Pacific Islands Forum) (MS/6)		
1222a	45c	Brown Surgeonfish, <i>Acanthurus nigrofuscus</i>	Acanthuridae	A*
1222b	45c	Striped or Lined Surgeonfish, <i>Acanthurus lineatus</i>	Acanthuridae	A*
1222c	45c	Convict Surgeonfish, <i>Acanthurus triostegus</i>	Acanthuridae	A*
1222d	45c	Eyestripe Surgeonfish, <i>Acanthurus dussumieri</i>	Acanthuridae	A*
1222e	45c	Roundspot or Blackspot Surgeonfish, <i>Acanthurus bariene</i>	Acanthuridae	A*
1222f	45c	Yellowfin Surgeonfish, <i>Acanthurus xanthopterus</i>	Acanthuridae	A*
		2014 July 31 (Alice in Wonderland) (MS/4)		
1223c	\$1.75	Stylized fish (delivering letter to frog)		S
		2014 August 27 (Marine Life) (Set of 8)		
1232	2c	Princess Damselfish, <i>Pomacentrus vaiuli</i>	Pomacentridae	A*
1234	5c	Mailed Butterflyfish, <i>Chaetodon reticulatus</i>	Chaetodontidae	A*
1235	10c	Ornate Butterflyfish, <i>Chaetodon ornatissimus</i>	Chaetodontidae	A*
1236	15c	Queen Triggerfish, <i>Balistes vetula</i>	Balistidae	A*
1237	20c	Reef or Alfred Manta Ray, <i>Manta alfredi</i>	Myliobatidae	A*
1238	75c	Yellow Boxfish, <i>Ostracion cubicus</i>	Ostraciidae	A*
PENRHYN		2012 November 27 (Fish) (3ea Block/4 & 3ea MS/4)		
509a	80c	Doubletooth Soldierfish, <i>Myripristis hexagona</i>	Holocentridae	A*
509b	90c	Common Parrotfish, <i>Scarus psittacus</i>	Scaridae	A*
509c	\$1.10	Moorish Idol, <i>Zanclus cornutus</i>	Zanclidae	A*
509d	\$1.20	Mustard Surgeonfish, <i>Acanthurus guttatus</i>	Acanthuridae	A*
510a	\$2	Royal Angelfish, <i>Pygoplites diacanthus</i>	Pomacanthidae	A*
510b	\$2.25	Black Butterflyfish, <i>Chaetodon flavirostris</i>	Chaetodontidae	A*
510c	\$4	Square-spot Fairy Basslet, <i>Pseudanthias pleurotaenia</i>	Serranidae	A*
510d	\$5	Ornate Butterflyfish, <i>Chaetodon ornatissimus</i>	Chaetodontidae	A*
511a	\$6	Blackback Butterflyfish, <i>Chaetodon melannotus</i>	Chaetodontidae	A*
511b	\$8	Banded Moray, <i>Gymnothorax rueppellii</i>	Muraenidae	A*
511c	\$10	Ocellated Dragonet, <i>Synchiropus (=Neosynchiropus) ocellatus</i>	Callionymidae	A*
511d	\$20	Pacific Chub, <i>Kyphosus sandwichensis</i>	Kyphosidae	A*
512a	80c	Doubletooth Soldierfish, <i>Myripristis hexagona</i>	Holocentridae	A*
512b	90c	Common Parrotfish, <i>Scarus psittacus</i>	Scaridae	A*
512c	\$1.10	Moorish Idol, <i>Zanclus cornutus</i>	Zanclidae	A*
512d	\$1.20	Mustard Surgeonfish, <i>Acanthurus guttatus</i>	Acanthuridae	A*
512		MS/4 (Sc#512a–d) (without white frames)		

PENRHYN (continued)

513a	\$2	Royal Angelfish, <i>Pygoplites diacanthus</i>	Pomacanthidae	A*
513b	\$2.25	Black Butterflyfish, <i>Chaetodon flavirostris</i>	Chaetodontidae	A*
513c	\$4	Square-spot Fairy Basslet, <i>Pseudanthias pleurotaenia</i>	Serranidae	A*
513d	\$5	Ornate Butterflyfish, <i>Chaetodon ornatissimus</i>	Chaetodontidae	A*
513		MS/4 (Sc#513a–d) (without white frames)		
514a	\$6	Blackback Butterflyfish, <i>Chaetodon melannotus</i>	Chaetodontidae	A*
514b	\$8	Banded Moray, <i>Gymnothorax rueppellii</i>	Muraenidae	A*
514c	\$10	Ocellated Dragonet, <i>Synchiropus (=Neosynchiropus) ocellatus</i>	Callionymidae	A*
514d	\$20	Pacific Chub, <i>Kyphosus sandwichensis</i>	Kyphosidae	A*
514		MS/4 (Sc#514a–d) (without white frames)		
514e		MS/12 (Sc#512a–d, Sc#513a–d, Sc#514a–d)		

2013 November 11 (Fish) (Set of 12 & MS/12)

521	30c	Ornate Butterflyfish, <i>Chaetodon ornatissimus</i>	Chaetodontidae	A*
522	50c	Pacific Drummer, <i>Kyphosus pacificus</i>	Kyphosidae	A*
523	\$1	Mustard Surgeonfish, <i>Acanthurus guttatus</i>	Acanthuridae	A*
524	\$1.30	Black Butterflyfish, <i>Chaetodon flavirostris</i>	Chaetodontidae	A*
525	\$1.50	Pinecone Soldierfish, <i>Myripristis murdjan</i>	Holocentridae	A*
526	\$1.70	Empress Angelfish, <i>Pygoplites diacanthus</i>	Pomacanthidae	A*
527	\$2.40	Moorish Idol, <i>Zanclus cornutus</i>	Zanclidae	A*
528	\$2.50	Common Parrotfish, <i>Scarus psittacus</i>	Scaridae	A*
529	\$3	Ribbon Moray, <i>Rhinomuraena quaesita</i>	Muraenidae	A*
530	\$4.50	Ocellated Dragonet, <i>Synchiropus (=Neosynchiropus) ocellatus</i>	Callionymidae	A*
531	\$7.50	Banded Moray, <i>Gymnothorax rueppellii</i>	Muraenidae	A*
532	\$12.90	Blue Jaw Tilefish, <i>Hoplostethus starcki</i>	Malacanthidae	A*
533a	30c	Ornate Butterflyfish, <i>Chaetodon ornatissimus</i>	Chaetodontidae	A*
533b	50c	Pacific Drummer, <i>Kyphosus pacificus</i>	Kyphosidae	A*
533c	\$1	Mustard Surgeonfish, <i>Acanthurus guttatus</i>	Acanthuridae	A*
533d	\$1.30	Black Butterflyfish, <i>Chaetodon flavirostris</i>	Chaetodontidae	A*
533e	\$1.50	Pinecone Soldierfish, <i>Myripristis murdjan</i>	Holocentridae	A*
533f	\$1.70	Empress Angelfish, <i>Pygoplites diacanthus</i>	Pomacanthidae	A*
533g	\$2.40	Moorish Idol, <i>Zanclus cornutus</i>	Zanclidae	A*
533h	\$2.50	Common Parrotfish, <i>Scarus psittacus</i>	Scaridae	A*
533i	\$3	Ribbon Moray, <i>Rhinomuraena quaesita</i>	Muraenidae	A*
533j	\$4.50	Ocellated Dragonet, <i>Synchiropus (=Neosynchiropus) ocellatus</i>	Callionymidae	A*
533k	\$7.50	Banded Moray, <i>Gymnothorax rueppellii</i>	Muraenidae	A*
533l	\$12.90	Blue Jaw Tilefish, <i>Hoplostethus starcki</i>	Malacanthidae	A*
533		MS/12 (Sc#533a–l) (without white frames)		

2014 November 28 (WWF: Pacific Green Turtle) (Set of 4 & Strip/4)

541	\$1.70	U/I fish (in large school) (white frame)		U B
544b	\$1.70	U/I fish (in large school) (without white frame)		U B

PERU**2014 September 5** (Institute of the Sea, 50th anniv.)

1847	3.80s	U/I fish (with fishing vessel)		U B
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PHILIPPINES**2014 May 11** (Teresita Reyes, Restaurateur) (Block/4)

3528d	10p	Stylized fish as food		S
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PITCAIRN ISLANDS**2015 February 26** (Red Lionfish) (SS/3)

791a	\$2	Red Lionfish, <i>Pterois volitans</i> (facing right)	Scorpaenidae	A*
791b	\$2	Same species (facing left)		A*
791c	\$2	Same species (facing down)		A*
791	Margin	UL & UR: Same species (facing down)		Z*

POLAND**2014 October 10** (Fish) (Set of 8)

Each stamp was printed in a sheet of 12 plus four labels. These sheets have various other fish species in the margins.

4139	35g	Sohal Surgeonfish, <i>Acanthurus sohal</i>	Acanthuridae	A*
4140	45g	Foureye Butterflyfish, <i>Chaetodon capistratus</i>	Chaetodontidae	A*
4141	55g	Ribbon Moray, <i>Rhinomuraena quaesita</i>	Muraenidae	A*
4142	65g	Seahorse, <i>Hippocampus</i> sp.	Syngnathidae	A*
4143	1.10z	Clown Triggerfish, <i>Balistoides conspicillum</i>	Balistidae	A*
4144	1.20z	Yellowface Angelfish, <i>Pomacanthus xanthometopon</i>	Pomacanthidae	A*
4145	1.30z	Copperbanded Butterflyfish, <i>Chelmon rostratus</i>	Chaetodontidae	A*
4146	1.40z	Clown Anemonefish, <i>Amphiprion ocellaris</i>	Pomacentridae	A*

RUSSIA**2014 May 21** (Clock Towers & Clocks) (Pair)

7531b	20r	Two stylized fish (Zodiac sign on clock face)		S C
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ST. HELENA**2014 October 15** (Christmas) (Set of 6)

1087	25p	Whale Shark, <i>Rhincodon typus</i>	Rhincodontidae	A*
1089	40p	St. Helena Gregory, <i>Chromis sanctaehelenae</i>	Pomacentridae	A*
1090	50p	Cunningfish, <i>Chaetodon sanctaehelenae</i>	Chaetodontidae	A*
1091	60p	Silver Eel, <i>Ariosoma mellissii</i>	Congridae	A*

ST. MARTIN**2015 March 18** (Banknotes) (Block/6)

65b	110c	U/I fish (on Sri Lanka banknote)		U B*
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ST. PIERRE & MIQUELON**2014 November 8** (Savoyard Pond) (Horiz pair)

1004b	€2.50	Fisherman (with sailboats) (no fish)		R
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2014 December 27 (Pres. Hollande Visit)

1007	76c	Codfish, <i>Gadus</i> sp. (Sc#J52 s-o-s)	Gadidae	C
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SAMOA**2014 July 23** (Sc#1167–78 ovpt “OFFICIAL”) (Set of 12)

O14	\$1.50	Thorny Seahorse, <i>Hippocampus histrix</i>	Syngnathidae	A*
O15	\$2	Green Humphead Parrotfish, <i>Bolbometopon muricatum</i>	Scaridae	A*
O16	\$2.25	Atlantic Blue Marlin, <i>Makaira nigricans</i>	Xiphiidae	A*
O17	\$2.50	Sharpnose Stingray, <i>Himantura gerrardi</i>	Dasyatidae	A*
O18	\$3.50	Humphead Wrasse, <i>Cheilinus undulatus</i>	Labridae	A*
O19	\$5.50	Shortfin Mako, <i>Isurus oxyrinchus</i>	Lamnidae	A*
O23	\$20	Tawny Nurse Shark, <i>Nebrius ferrugineus</i>	Ginglymostomatidae	A*
O24	\$25	Oceanic Whitetip Shark, <i>Carcharhinus longimanus</i>	Carcharhinidae	A*

2014 August 29 (Small Island Developing States) (Block/18 & MS/6)

1182a	50s	Great barracuda, <i>Sphyraena barracuda</i>	Sphyraenidae	A*
1182c	50s	Barbour's seahorse, <i>Hippocampus barbouri</i>	Syngnathidae	A*
1182d	50s	Cutthroat Eels, <i>Dysommia rugosa</i>	Synphobranchidae	A*
1184a	50s	Great barracuda, <i>Sphyraena barracuda</i>	Sphyraenidae	A*
1184d	50s	Barbour's seahorse, <i>Hippocampus barbouri</i>	Syngnathidae	A*
1184e	50s	Cutthroat Eels, <i>Dysommia rugosa</i>	Synphobranchidae	A*

SEYCHELLES**2014 October 9** (Green Sea Turtle) (Joint Issue)

904	50r	Various U/I fish (with Green Sea Turtle)		U C
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SINGAPORE**2014 August 4** (Independence 49th anniv.) (MS/15 & SS/1)

1689d	(26c)	Stylized fish outline (with crab)		S B
1690	SS \$2	R: Tiny stylized fish outline		S Z

SINGAPORE (continued)		2014 October 3 (Myths & Legends) (Set of 8)		
1693	(26c)	Stylized Swordfish, <i>Xiphias gladius</i> (school of fish offshore)	Xiphiidae	S B
1695	(32c)	Stylized Swordfish, <i>Xiphias gladius</i> (fish attacking)	Xiphiidae	S B
1697	50c	Stylized Swordfish, <i>Xiphias gladius</i> (people fleeing)	Xiphiidae	S C
SOLOMON ISLANDS		2013 February 15 (Corals of Solomons) (SS/1)		
1216	SS \$24	U/I reef fish (with lace coral)		U B
		2013 February 15 (Corals of Solomons) (MS/4 & SS/1)		
1194b	\$5	U/I reef fish (with leather coral)		U B
1194c	\$5	U/I reef fish (with stony coral)		U C
1194	Margin	LR: Tiny U/I reef fish		U Z
1217	SS \$24	Anemonefish, <i>Amphiprion</i> sp.	Pomacentridae	U B
		2013 February 15 (Solomons Marine Life) (MS/4 & SS/1)		
1212a	\$7	Bicolour Parrotfish, <i>Cetoscarus bicolor</i>	Scaridae	A*
1212b	\$7	Giant Squirrelfish, <i>Sargocentron spiniferum</i>	Holocentridae	A*
1212c	\$7	Blackspotted Puffer, <i>Arothron nigropunctatus</i>	Tetraodontidae	A*
1212d	\$7	Red-cheeked Fairy Basslet, <i>Pseudanthias huchtii</i>	Serranidae	A*
1212	Margin	UL: Clown Triggerfish, <i>Balistoides conspicillum</i>	Balistidae	Z*
1235	SS \$35	Orange Anemonefish, <i>Amphiprion percula</i>	Pomacentridae	A*
	Margin	UL: Moray Eel, <i>Taenioconger hassi</i>	Congridae	Z*
		LR: Pink Skunk Clownfish, <i>Amphiprion perideraion</i>	Pomacentridae	Z*
		2013 March 29 (Ptg by Frédéric Bazille) (MS/4 & SS/1)		
1237c	\$7	U/I fish ("Still Life with Fish")		U A
1261	SS \$35	Herring ("Two Herrings")		U A
		2013 March 29 (Ptg by Henri Cross) (MS/4)		
1243d	\$7	Fishermen with net ("Fisherman")		R
		2013 March 29 (Ptg by Gustave Caillebotte) (SS/1)		
1264	SS \$35	LR: Fisherman and girl fishing by stream		R
		2013 May 10 (Australian Fauna: Sharks) (MS/4 & SS/1)		
1331a	\$7	Scalloped Hammerhead, <i>Sphyrna lewini</i>	Sphyrnidae	A*
1331b	\$7	Tiger Shark, <i>Galeocerdo cuvier</i>	Carcharhinidae	A*
1331c	\$7	Blue Shark, <i>Prionace glauca</i>	Carcharhinidae	A*
1331d	\$7	White Shark, <i>Carcharodon carcharias</i>	Carcharhinidae	A*
1331	Margin	LR: White Shark, <i>Carcharodon carcharias</i> (chasing U/I fish)	Carcharhinidae	Z*
1355	SS \$35	White Shark, <i>Carcharodon carcharias</i>	Carcharhinidae	A*
	Margin	Bot & UR: Same species		Z*
		LL: Scalloped Hammerhead, <i>Sphyrna lewini</i>	Sphyrnidae	Z*
		2013 October 9 (Fish) (Set of 25)		
1397	5c	Broom Filefish, <i>Amanses scopas</i>	Monacanthidae	A*
1398	10c	Helfrich's Dartfish, <i>Nemateleotris helfrichi</i>	Microdesmidae	A*
1399	20c	Red Fin Butterflyfish, <i>Chaetodon trifasciatus</i>	Chaetodontidae	A*
1400	25c	Palenose or Common Parrotfish, <i>Scarus psittacus</i>	Scaridae	A*
1401	30c	Barchin Scorpionfish, <i>Sebastapistes strongia</i>	Scorpaenidae	A*
1402	40c	Whitecap Goby, <i>Lotilia graciliosa</i>	Gobiidae	A*
1403	50c	Sixbar Wrasse, <i>Thalassoma hardwicke</i>	Labridae	A*
1404	60c	Indo-Pacific Sergeant, <i>Abudefduf vaigiensis</i>	Pomacentridae	A*
1405	70c	Bluespine Unicornfish, <i>Naso unicornis</i>	Acanthuridae	A*
1406	80c	Flame Angelfish, <i>Centropyge loriculus</i>	Pomacanthidae	A*
1407	\$1	Clown Anemonefish, <i>Amphiprion ocellaris</i>	Pomacentridae	A*

SOLOMON ISLANDS (continued)

1408	\$2	Palette Surgeonfish, <i>Paracanthurus hepatus</i>	Acanthuridae	A*
1409	\$2.50	Bigeeye Tuna, <i>Thunnus obesus</i>	Scombridae	A*
1410	\$3	Indo-Pacific Sailfish, <i>Istiophorus platypterus</i>	Istiophoridae	A*
1411	\$4	White Marlin, <i>Tetrapturus albidus</i>	Istiophoridae	A*
1412	\$4.50	Blue Marlin, <i>Makaira nigricans</i>	Istiophoridae	A*
1413	\$5	Yellowfin Tuna, <i>Thunnus albacares</i>	Scombridae	A*
1414	\$5.50	Bonito, <i>Sarda</i> sp.	Scombridae	A*
1415	\$6	Long-tailed Red Snapper, <i>Etelis coruscans</i>	Lutjanidae	A*
1416	\$7	Short-tail Red Snapper, <i>Etelis carbunculus</i>	Lutjanidae	A*
1417	\$8	Green Humphead Parrotfish, <i>Bolbometopon muricatum</i>	Scaridae	A*
1418	\$10	Great Barracuda, <i>Sphyraena barracuda</i>	Sphyraenidae	A*
1419	\$15	Giant Trevally, <i>Caranx ignobilis</i>	Carangidae	A*
1420	\$20	Bluefin Tuna, <i>Thunnus thynnus</i>	Scombridae	A*
1421	\$50	Narrow-barred Spanish Mackerel, <i>Scomberomorus commerson</i>	Scombridae	A*

2013 November 22 (Birds of Prey) (MS/4)

1429b	\$7	U/I fish (in Osprey's talons)		U C
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2013 November 22 (Fishes in Solomons) (MS/4 & SS/1)

1432a	\$7	Palette Surgeonfish, <i>Paracanthurus hepatus</i>	Acanthuridae	A*
1432b	\$7	Clown Anemonefish, <i>Amphiprion ocellaris</i>	Pomacentridae	A*
1432c	\$7	Stoplight Parrotfish, <i>Sparisoma viride</i>	Scaridae	A*
1432d	\$7	Indo-Pacific Blue Marlin, <i>Makaira mazara</i>	Istiophoridae	A*
1450	SS \$35	Raccoon Butterflyfish, <i>Chaetodon lunulatus</i>	Chaetodontidae	A*
Margin	UR:	U/I fish (Cap: <i>Chelonia mydas</i> [a sea turtle])		U Z
	LR:	Indo-Pacific Blue Marlin, <i>Makaira mazara</i>	Istiophoridae	Z*

2013 November 29 (Ptg by Henri Matisse) (MS/4)

1468c	\$7	Stylized Goldfish, <i>Carassius auratus auratus</i> ("The Goldfish")	Cyprinidae	S B
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2013 November 29 (Fishermen & Fish) (MS/4 & SS/1)

1474a	\$7	Orange Anemonefish, <i>Amphiprion percula</i> (fisherman & net)	Pomacentridae	B*
1474b	\$7	White Marlin, <i>Tetrapturus albidus</i> (with diver)	Istiophoridae	B*
1474c	\$7	Bicolor Parrotfish, <i>Cetoscarus bicolor</i> (with 2 fishermen)	Scaridae	B*
1474d	\$7	Bluespine Unicornfish, <i>Naso unicornis</i> (fisherman & catch)	Acanthuridae	B*
1492	SS \$35	U/I fish (with spear fisherman)		U B
Margin	Bot:	U/I butterflyfish		U Z

2014 March 10 (Marine Art) (MS/4)

1543b	\$7	Fishing boats (Ptg: "Fishing Boats at Sea," by van Gogh)		R
1543c	\$7	Fisherman in boat (Ptg: "Struggle for the Catch," by Edward Pothast)		R

2014 March 10 (Marine Life) (MS/4 & SS/1)

1547a	\$7	Sohal Surgeonfish, <i>Acanthurus sohal</i>	Acanthuridae	A*
1565	SS \$35	Copperbanded butterflyfish, <i>Chelmon rostratus</i>	Chaetodontidae	A*
Margin	UR:	Royal Angelfish, <i>Pygoplites diacanthus</i>	Pomacanthidae	Z*

2014 July 3 (Red List 50th anniv.) (MS/4)

1567b	\$7	Spotted Handfish, <i>Brachionichthys hirsutus</i>	Brachionichthyidae	A*
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2014 July 3 (Diving in Solomons) (MS/4 & SS/1)

1575a	\$7	Banggai Cardinalfish, <i>Pterapogon kauderni</i>	Apogonidae	B*
1575b	\$7	Blacktip Reef Shark, <i>Carcharhinus melanopterus</i>	Carcharhinidae	B*
1575c	\$7	Bicolor Parrotfish, <i>Cetoscarus bicolor</i>	Scaridae	B*

SOLOMON ISLANDS (continued)

1595	SS \$35	Stars-and-stripes Puffer, <i>Arothron hispidus</i>	Tetraodontidae	B*
	Margin	UR: Giant Oceanic Manta Ray, <i>Manta birostris</i>	Mobulidae	Z*
		ML: Clown Triggerfish, <i>Balistoides conspicillum</i>	Balistidae	Z*
		LL: Orange Clownfish, <i>Amphiprion percula</i>	Pomacentridae	Z*

SRI LANKA**2013 October 9** (Personalized Stamps) (Set of 2)

1906	15r	Stilt fishermen (no fish)		R
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2014 August 22 (Pigeon Is. Marine Natl. Park) (Set of 6 & SS/6)

1939	15r	Blacktip Reef Shark, <i>Carcharhinus melanopterus</i>	Carcharhinidae	A*
1940	25r	Blackwedged Butterflyfish, <i>Chaetodon falcula</i>	Chaetodontidae	A*
1942a		SS/6 (Sc#1937–42)		

TONGA**2014 May 20** (Pacific SIDS) (Block/18 & 3ea MS/6)

1253i	45s	Fishing boat (no fish)		R
1253l	45s	Sea Goldie, <i>Pseudanthias squamipinnis</i>	Serranidae	A*
1253m	45s	Clown Anemonefish, <i>Amphiprion ocellaris</i>	Pomacentridae	A*
1253n	45s	Whale Shark, <i>Rhincodon typus</i>	Rhincodontidae	A*
1255e	2.35pa	Fishing boat (no fish)		R
1256c	2.60pa	Sea Goldie, <i>Pseudanthias squamipinnis</i>	Serranidae	A*
1256d	2.60pa	Clown Anemonefish, <i>Amphiprion ocellaris</i>	Pomacentridae	A*
1256e	2.60pa	Whale Shark, <i>Rhincodon typus</i>	Rhincodontidae	A*

TUNISIA**2014 October 9** (Stamp Day)

1577	250m	Atlantic Mackerel, <i>Scomber scombrus</i> (Tunisia Sc#993 s-o-s)	Scombridae	C
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TURKISH REP. OF N. CYPRUS**2014 July 4** (Surcharges) (Set of 2)

767	40k	U/I angelfish & butterflyfish (surch on 90000L, Sc#461)		U
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TUVALU**2014 September 3** (Sharks) (2ea MS/4, SS/2, & SS/1)

1302a	\$1.40	Whale Shark, <i>Rhincodon typus</i>	Rhincodontidae	A*
1302b	\$1.40	Hammerhead Shark, <i>Sphyrna zygaena</i>	Sphyrnidae	A*
1302c	\$1.40	Caribbean Reef Shark, <i>Carcharhinus springeri</i>	Carcharhinidae	A*
1302d	\$1.40	Great White Shark, <i>Carcharodon carcharias</i>	Carcharhinidae	A*
1303a	\$1.40	Whitetip Shark, <i>Triaenodon obesus</i>	Carcharhinidae	A*
		Pilot Fish, <i>Naucrates ductor</i> (11 surrounding shark)	Carangidae	B*
1303b	\$1.40	Gray Reef Shark, <i>Carcharhinus amblyrhynchos</i>	Carcharhinidae	A*
1303c	\$1.40	Leopard Shark, <i>Triakis semifasciata</i>	Carcharhinidae	A*
1303d	\$1.40	Tiger Shark, <i>Galeocerdo cuvieri</i>	Carcharhinidae	A*
	Margin	Top & LL: Tiny U/I reef fish		U Z
1304a	SS \$2.25	Whale Shark, <i>Rhincodon typus</i>	Rhincodontidae	A*
1304b	SS \$2.25	Gray Reef Shark, <i>Carcharhinus amblyrhynchos</i>	Carcharhinidae	A*
	Margin	UL: U/I shark		U Z
		Top: U/I school of reef fish		U Z
		ML, LL, MR, LR: Tiny U/I reef fish		U Z
1305	SS \$4.50	Blacktip Reef Shark, <i>Carcharhinus melanopterus</i>	Carcharhinidae	A*
	Margin	UL, LL, LR: U/I reef fish		U Z

2015 March 2 (Tropical Fish) (2ea MS/4 & 2ea SS/2)

1323a	\$1.75	Flame Angelfish, <i>Centropyge loriculus</i>	Pomacanthidae	A*
1323b	\$1.75	Passer Angelfish, <i>Holacanthus passer</i>	Pomacanthidae	A*
1323c	\$1.75	Palette Surgeonfish, <i>Paracanthurus hepatus</i>	Acanthuridae	A*
1323d	\$1.75	Scribbled Angelfish, <i>Chaetodontoplus duboulayi</i>	Pomacanthidae	A*

TUVALU (continued)

1324a	\$1.75	Clown Triggerfish, <i>Balistoides niger</i>	Balistidae	A*
1324b	\$1.75	Powder Blue Surgeonfish, <i>Acanthurus leucosternon</i>	Acanthuridae	A*
1324c	\$1.75	Clown Anemonefish, <i>Amphiprion ocellaris</i>	Pomacentridae	A*
1324d	\$1.75	Emperor Angelfish, <i>Pygoplites imperator</i>	Pomacanthidae	A*
1325a	\$2.25	Orange-lined Cardinalfish, <i>Taeniamia fucata</i>	Apogonidae	A*
1325b	\$2.25	Yellow Tang, <i>Zebrasoma flavescens</i>	Acanthuridae	A*
1326a	\$2.25	Coral Grouper, <i>Epinephelus corallicola</i>	Serranidae	A*
1326b	\$2.25	Fire Clownfish or Fire Anemonefish, <i>Amphiprion melanopus</i>	Pomacentridae	A*

UGANDA**2012 March 20** (Freshwater Fish) (MS/4 & SS/1)

1935a	3400sh	no common name, <i>Haplochromis katonga</i>	Cichlidae	A*
1935b	3400sh	no common name, <i>Haplochromis nyererei</i>	Cichlidae	A*
1935c	4100sh	Nile perch, <i>Lates niloticus</i>	Centropomidae	A*
1935d	4100sh	no common name, <i>Mormyrus macrocephalus</i>	Mormyridae	A*
1935	Margin	Ctr: Elephant-snout Fish, <i>Mormyrus kannume</i>	Mormyridae	Z*
		UR: no common name, <i>Haplochromis aeneocolor</i>	Cichlidae	Z*
1945	SS 8300sh	no common name, <i>Haplochromis petronius</i>	Cichlidae	A*
	Margin	UL: Pebbly Fish, <i>Alestes baremoze</i>	Alestidae	Z*
		LL: Upside-down Catfish, <i>Synodontis macrops</i>	Mochokidae	Z*
		UR: no common name, <i>Haplochromis orthostoma</i>	Cichlidae	Z*

2013 July 8 (Endangered Species: Fishes) (MS/4 & SS/1)

2026a	1800sh	no common name, <i>Thunnus maccoyii</i>	Scombridae	A*
2026b	1800sh	African Butter Catfish, <i>Schilbe mystus</i>	Schilbeidae	A*
2026c	7500sh	Humpheaded Maori Wrasse, <i>Cheilinus undulatus</i>	Labridae	A*
2026d	7500sh	Angular Roughshark, <i>Oxynotus centrina</i>	Oxynotidae	A*
2036	SS 7500sh	Angelshark, <i>Squatina squatina</i>	Squatinae	A*
	Margin	ML: Great White Shark, <i>Carcharodon carcharias</i>	Carcharhinidae	Z*
		Bot: Hammerhead Shark, <i>Sphyrna zygaena</i>	Sphyrnidae	Z*

2014 April 1 (Bird Watching: Water Birds) (MS/4)

2115c	2500sh	U/I fish in kingfisher's beak		U C
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2014 April 1 (Bird Watching: Eagles) (SS/1)

2128	SS 7500sh	U/I fish in eagle's talons		U C
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2014 April 1 (Domestic Animals: Siamese Fighting Fish) (MS/4 & SS/1)

2132a	2500sh	Siamese Fighting Fish, <i>Betta splendens</i> (with yellow fins)	Osphronemidae	A*
2132b	2500sh	Same species (facing front)		A*
2132c	2500sh	Same species (pair)		A*
2132d	2500sh	Same species (facing rear)		A*
2132	Margin	UL & LR: Same species		Z*
2142	SS 7500sh	Siamese Fighting Fish, <i>Betta splendens</i>	Osphronemidae	A*
	Margin	UL: Same species		Z*

2014 April 1 (Domestic Animals: Goldfish) (MS/4 & SS/1)

2133a	2500sh	Goldfish, <i>Carassius auratus auratus</i> (facing right)	Cyprinidae	A*
2133b	2500sh	Same species (facing left)		A*
2133c	2500sh	Same species (facing down)		A*
2133d	2500sh	Same species (pair)		A*
2133	Margin	L & Top: Same species		Z*
2143	SS 7500sh	Goldfish, <i>Carassius auratus auratus</i>	Cyprinidae	A*
	Margin	L: Same species		Z*

UNITED ARAB EMIRATES		2014 December 25 (First UAE Currency) (MS/6) (s/a)		
1127e	150f	Stylized fish on 5-fils coin		S
UNITED NATIONS		2014 October 23 (Endangered Species) (Block/4)		
1097	\$1.15	Denise's Pygmy Seahorse, <i>Hippocampus bargibanti</i>	Syngnathidae	A*
1098	\$1.15	Whale Shark, <i>Rhincodon typus</i>	Rhincodontidae	A*
1099	\$1.15	Scalloped Hammerhead Shark, <i>Sphyrna lewini</i>	Sphyrnidae	A*
1100	\$1.15	Asian Arowana or Asian Bonytongue, <i>Scleropages formosus</i>	Osteoglossidae	A*
		2015 February 6 (Flags & Coins Type of 2006) (MS/6)		
1103d	49c	Stylized fish (on Bhutan 25-chetrum coin)		S B
		2015 May 7 (Set of 2)		
1110d	35c	Stylized fish		S C
UNITED NATIONS (Geneva)		2014 October 23 (Endangered Species) (Block/4)		
590	1.40fr	Arapaima, <i>Arapaima gigas</i>	Osteoglossidae	A*
591	1.40fr	Basking Shark, <i>Cetorhinus maximus</i>	Cetorhinidae	A*
592	1.40fr	Sawfish, <i>Pristis pristis</i>	Pristidae	A*
593	1.40fr	Siberian Sturgeon, <i>Acipenser baerii</i>	Acipenseridae	A*
UNITED NATIONS (Vienna)		2014 October 23 (Endangered Species) (Block/4)		
553	70c	Humpheaded Maori Wrasse, <i>Cheilinus undulatus</i>	Labridae	A*
554	70c	Great White Shark, <i>Carcharodon carcharias</i>	Carcharhinidae	A*
555	70c	Manta Ray, <i>Manta birostris</i>	Mobulidae	A*
556	70c	Paddlefish, <i>Polyodon spathula</i>	Polyodontidae	A*
URUGUAY		2014 September 22 (Community Service)		
2482	15p	Stylized fish on mural		S C
VANUATU		2014 July 23 (Cocktail Glasses) (Set of 4)		
1076	100v	Stylized fish (with underwater post office)		G C

**ANIMALS; DOGS & CATS; HORSES; INSECTS; BUGS
 BUTTERFLIES; MALARIA; FLOWERS & PLANTS; ORCHIDS
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MARINE INVERTEBRATES

Editor

Ian Hunter, BU1619

New Listings



Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
AITUTAKI 2014 November 28 (WWF: Spotted Reef Crab) (Set of 4 & SS/4)				
623	\$1	Spotted Reef Crab, <i>Carpilius maculatus</i>	Carpiliidae	A*
624	\$1.30	Spotted Reef Crab, <i>Carpilius maculatus</i>	Carpiliidae	A*
625	\$1.70	Spotted Reef Crab, <i>Carpilius maculatus</i>	Carpiliidae	A*
626	\$2.10	Spotted Reef Crab, <i>Carpilius maculatus</i>	Carpiliidae	A*
626a		SS/4 (Sc#623–26)		
BELGIUM 2015 June 29 (Shrimp Fisherman)				
2765	(€1.32)	Shrimp fisherman on horseback of Oostduinkerke (no shrimp on stamp)		R
CHRISTMAS ISLAND 2014 October 31 (Christmas) (Set of 2, SS/2, & Bklt)				
532	65c	Stylized Red Crabs (with Santa Claus)		S B
533	\$1.80	Stylized Red Crabs (with lobster & Santa hats)		S B
533a		SS/2 (Sc#532–33) (perf 14¼×14)		
534	65c	Stylized Red Crabs (with Santa Claus) (s/a)		S B
534a		Bklt pane 10+10 etiquettes (die cut 11¼) (s/a)		
535	\$1.80	Stylized Red Crabs (with lobster & Santa hats) (s/a)		S B
535a		Bklt pane 5 (die cut 11¼) (s/a)		
CROATIA 2015 June 15 (Marine Life) (MS/4)				
C5b	5.80k	Violescent Sea-whip, <i>Paramuricea clavata</i>	Plexauridae	A*
C5c	5.80k	Cylinder Anemone, <i>Cerianthus membranaceus</i>	Cerianthidae	A*
C5d	5.80k	Neptune's Lace, <i>Reteporella grimaldii</i>	Phidoloporidae	A*
CYPRUS 2015 February 4 (Marine Life Surcharged)				
1225	34c	U/I Sea Anemone (surch on 43c, Sc#1193)		U A*
FIJI 2014 July 28 (Sharks) (Set of 4)				
1305	50c	U/I Corals beneath shark		U B
1306	90c	U/I Corals beneath shark		U B
1307	\$1.20	U/I Corals beneath shark		U B
1308	\$5	U/I Corals beneath shark		U B
FINLAND 2014 October 23 (Changes in Everyday Items) (Bklt/6)				
1478b	(€1)	Shrimp (with potatoes, olives, cookies, cracker, sushi, fish, & pizza slice as food)		G B
GREAT BRITAIN (Jersey) 2014 October 9 (Oyster Fishing) (Set of 6, SS/1, & Bklt)				
1795	46p	Oyster fishing (19th century ship)		R
1796	56p	Oyster fishing (women hauling oyster baskets, 19th century)		R
1797	62p	Oyster fishing (bringing up catch, 19th century)		B
1798	70p	Oyster fishing (oyster farming, 20th-21st century)		B
1799	82p	Oyster fishing (loading oysters, 20th-21st century)		B
1800	90p	Oyster fishing (20th century ship)		R
1800a		Bklt pane 6 (Sc#1796–1800)		

GREAT BRITAIN (Jersey) (continued)

1801	SS £2	Oysters (in basket)		A
	Margin	Top & R: Oyster gathering, 19th century)		R Z
1801a		Bklt pane 1 (Sc#1801)		

GRENADA **2013 October 10** (Constellations of the Zodiac) (MS/3)

3905a	\$3.75	Cancer the Crab constellation diagram		R
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2013 October 16 (Seashells) (MS/4 & SS/1)

3915a	\$3.25	Cabbage Murex, <i>Hexaplex brassica</i>	Muricidae	A*
3915b	\$3.25	Lion-paw Scallop, <i>Lyropecten subnodosus</i>	Pectinidae	A*
3915c	\$3.25	Queen Conch, <i>Lobatus gigas</i>	Strombidae	A*
3915d	\$3.25	Black-spotted Triton, <i>Cymatium lotorium</i>	Ranellidae	A*
3916	SS \$9	Atlantic Triton, <i>Charonia variegata</i>	Ranellidae	A*

GUYANA **2013 July 30** (Constellations) (MS/4)

4244a	\$250	Cancer the Crab constellation diagram		R
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HONG KONG **2014 September 18** (Hong Kong 2015 Intl. Stamp Expo) (SS/1)

1682	\$20	Stylized Seashell & Lobster (with food)		S
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INDONESIA **2013 March 9** (Musical Instruments) (Set of 11 & Block/11)

2341	3000r	Conch as a musical instrument (Moluccas)		A
2344a		Block/11 (Sc#2334–44)		

KAZAKHSTAN **2015 January 12** (New Year 2014: Year of the Horse) (SS/1)

724	Margin	UL: Snail with Chinese Zodiac symbols		Z
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MARSHALL ISLANDS **2014 February 26** (Seashells Type of 1998 Redrawn) (Horiz strip/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 chiragra</i>	Strombidae	A*
1110d	49c	Fluted Giant Clam, <i>Tridacna squamosa</i>	Tridacnidae	A*

2015 April 13 (Marine Life) (MS/16)

1113h	49c	U/I Sea Anemone		U A
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ST. MARTIN **2015 February 11** (Shells) (MS/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>Cypraeassis 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/4 & SS/1)

3960	Margin	L: Scallop in tiny papal coat of arms		S Z
3961	Margin	LR: Scallop in tiny papal coat of arms		S Z

SAMOA **2014 July 23** (Sc#1167–78 ovpt "OFFICIAL") (Set of 12)

O21	\$7	Bear Paw Clam, <i>Hippopus hippopus</i>	Tridacnidae	A*
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2014 August 29 (Small Island Developing States) (Block/18 & MS/6)

1182d	50s	U/I Corals (with Cutthroat Eels)		U A*
1182e	50s	U/I Corals (reef scene)		U A*
1184e	\$3.90	U/I Corals (with Cutthroat Eels)		U A*
1184f	\$3.90	U/I Corals (reef scene)		U A*

SERBIA**2014 October 8** (Scientists) (Set of 2)675 23d Shell, †*Lymnocardium* (with Petar Stevanovic, paleontologist) Cardiidae B**SINGAPORE****2014 August 4** (Independence 49th anniv.) (MS/15 & SS/1)

1689d (26c) Stylized crab outline (with fish) S B

1690 SS \$2 R: Tiny stylized crabs outline S Z

2014 October 3 (Myths & Legends) (Set of 8)

1696 (32c) Men and crab on beach (Sang Nila Utama) S B

2014 October 31 (Tourism in Singapore) (Set of 5)

1701 (30c) Crab on plate (food and drink) S B

1705 \$1.30 Stylized Starfish (Gardens by the Bay, Henderson Wave Bridge) S B

SOLOMON ISLANDS**2013 February 15** (Corals of the Solomons) (2ea MS/4 & 2ea SS/1)1193a \$5 Starry Cup Coral, *Acanthastrea lordhowensis* Lobophyllidae A*1193b \$5 Lesser Valley Coral, *Platygyra daedalea* Merulinidae A*1193c \$5 Sunflower Coral, *Alveopora tizardi* Poritidae A*1193d \$5 Staghorn Branch Coral, *Acropora florida* Acroporidae A*1193 Margin LR: Plate Coral, *Halomitra clavator* Fungiidae Z*

Bkgrd: Coral reef G Z

1216 SS \$24 Lace Coral, *Stylaster californicus* Stylasteridae A*Margin LL: *Fungia* sp. Fungiidae Z*

UR: U/I coral sp. U Z*

LR: Coral reef G Z

1194a \$5 a soft coral, *Dendronephthya* sp. Nephtheidae A*1194b \$5 a leather coral, *Sinularia* sp. Alcyoniidae A*1194c \$5 a plate coral, *Acropora latistella* Acroporidae A*1194d \$5 a tube sponge, *Haliclona* sp. (Cap: *Kallypildion* sp.) Chalinidae A*

1194 Margin LL & LR: U/I coral sp. U Z*

1217 SS \$24 Sebae Anemone, *Heteractis crispata* Stichodactylidae A*

Margin LR: Same species Z*

2013 February 15 (Solomon Islands Marine Life) (MS/4 & SS/1)

1212b \$7 U/I coral sp. (in bkgrd with Giant Squirrelfish) U B

1212c \$7 U/I sponge sp. (in bkgrd with Blackspotted Puffer) U B

1212d \$7 U/I coral sp. (in bkgrd with Red-cheeked Fairy Basslet) U B

1212 Margin LR: Chambered Nautilus, *Nautilus pompilius* Nautilidae Z*

1235 SS \$35 U/I Sea Anemone (with Clownfish) (also in LR margin) B

2013 May 3 (Crabs) (MS/4 & SS1)1296a \$7 Horned Ghost Crab, *Ocypode ceratophthalmus* Ocypodidae A*1296b \$7 Sea Cucumber Crab, *Lissocarcinus orbicularis* Portunidae A*1296c \$7 White Spotted Hermit Crab, *Dardanus megistos* Diogenidae A*1296d \$7 Tetragonal Fiddler Crab, *Uca tetragon* Ocypodidae A*

1296 Margin UL: U/I Nautilus shell U Z

LL & UR: U/I Sea Anemone U Z

LL & UR: U/I Barnacles U Z

LR: Horned Ghost Crab, *Ocypode ceratophthalmus* Ocypodidae Z*1308 SS \$20 Flat Rock Crab, *Percnon planissimum* Lobophyllidae A*

Margin LL & UR: U/I shells U Z

LL & UR: U/I Barnacles U Z

LR: Red-eyed Rock Crab, *Eriphia sebana* Eriphiidae Z*

SOLOMON ISLANDS (continued) 2013 May 3 (Australian Fauna: Jellyfish & Octopus) (MS/4 & SS/1)

1332a	\$7	Blue Ringed Octopus, <i>Hapalochlaena</i> sp.	Octopodidae	A*
1332b	\$7	Box Jellyfish	Class: Cubozoa	A*
1332c	\$7	Box Jellyfish	Class: Cubozoa	A*
1332d	\$7	Blue Ringed Octopus, <i>Hapalochlaena</i> sp.	Octopodidae	A*
1332	Margin	LL & UR: Box Jellyfish	Class: Cubozoa	Z*
		LR: Blue Ringed Octopus, <i>Hapalochlaena</i> sp.	Octopodidae	Z*
1356	SS \$35	Blue Ringed Octopus, <i>Hapalochlaena</i> sp.	Octopodidae	A*
	Margin	UL & LR: Box Jellyfish	Class: Cubozoa	Z*
		LL: Blue Ringed Octopus, <i>Hapalochlaena</i> sp.	Octopodidae	Z*

2013 August 30 (UNESCO: East Rennell Island) (MS/4 & SS/1)

1374d	\$7	Coconut Crab, <i>Birgus latro</i>	Coenobitidae	A*
1392	Margin	LR: U/I Coral sp.		Z

2013 August 30 (Seashells & Seabirds) (MS/4 & SS/1)

1473a	\$7	Golden Cowrie, <i>Cypraea aurantium</i>	Cypraeidae	B*
1473b	\$7	Horn Snail, <i>Telescopium telescopium</i>	Potamididae	B*
1473c	\$7	Lightning Whelk, <i>Busycon sinistrum</i>	Buccinidae	B*
1473d	\$7	Banded Tun, <i>Tonna selacosa</i>	Tonnidae	B*
1491	SS \$35	Trapezium Horse Conch, <i>Pleuroploca trapezium</i>	Fascioliariidae	B*
	Margin	LR: Graceful Fig Shell, <i>Ficus gracilis</i>	Ficidae	Z*
		LR: Strawberry Top Shell, <i>Clanculus puniceus</i>	Trochidae	Z*

2014 March 10 (Marine Life) (MS/4 & SS/1)

1547b	\$7	Spanner Crab, <i>Ranina ranina</i>	Raninidae	A
1547c	\$7	Necklace Starfish, <i>Fromia monilis</i>	Goniasteridae	A
1565	Margin	LR: Spotted Reef Crab, <i>Carpilius maculatus</i>	Carpiliidae	Z*
		LL: Peacock Mantis Shrimp, <i>Odontodactylus scyllarus</i>	Odontodactylidae	Z*
		Bkgrd: U/I Coral reef		U Z

2014 November 28 (Seashells) (MS/4 & SS/1)

1698a	\$7	Common Nutmeg, <i>Cancellaria reticulata</i>	Cancellariidae	A*
1698b	\$7	Kelp Scallop, <i>Leptopecten latiauratus</i>	Pectinidae	A*
1698c	\$7	Chambered Nautilus, <i>Nautilus pompilius</i>	Nautilidae	A*
1698d	\$7	Radish Murex, <i>Hexaplex radix</i>	Muricidae	A*
1698	Margin	L: Various U/I seashells		U Z*
		ML: U/I starfish		U Z*
1718	SS \$35	Queen Conch, <i>Lobatus gigas</i>	Strombidae	A*
	Margin	L: Rare-spined Murex, <i>Murex trapa</i>	Muricidae	Z*

2014 December 20 (Corals) (MS/4 & SS/1)

1734a	\$5	Orange Cup Coral, <i>Tubastraea coccinea</i>	Dendrophylliidae	A*
1734b	\$5	a Soft Coral, <i>Lophogorgia vimnalis</i>	Gorgoniidae	A*
1734c	\$5	Orange Cup Coral, <i>Tubastraea faulkneri</i>	Dendrophylliidae	A*
1734d	\$5	a Soft Coral, <i>Subergorgia mollis</i> (Cap: <i>Subergorgia hicksoni</i>)	Subergorgiidae	A*
1734	Margin	L: U/I Coral (with scuba diver)		U Z*
1754	SS \$24	Orange Cup Coral, <i>Balanophyllia elegans</i>	Dendrophylliidae	A*
	Margin	L: Deepwater Sea Fan, <i>Iciligorgia schrammi</i>	Anthothelidae	Z*

SOLOMON ISLANDS (continued) 2014 December 20 (Fossils) (MS/4 & SS/1)

1736a	\$5	Shrimp	A
1736c	\$5	Trilobite	A
1736d	\$5	Ammonite	A
1736	Margin	L: Ammonite (cut-away)	Z
1756	SS \$24	Ammonites (in cluster)	A

UNITED NATIONS (Vienna) 2015 March 20 (World Poetry Day) (MS/6)

560a	90c	Yellow Jellyfish Bell in background	B
560b	90c	Purple Jellyfish in background	B
560c	90c	Red Jellyfish Tentacles in background	B
560d	90c	Purple Jellyfish Tentacles in background	B
560e	90c	Red Jellyfish Tentacles in background	B
560f	90c	Red and Purple Jellyfish Tentacles in background	B

TRISTAN DA CUNHA 2015 June 15 (Magna Carta 800th Anniv.) (Set of 4)

1045	£1.50	Tristan Rock Lobster, <i>Janus tristani</i> (stylized on Coat of Arms on coin)	S C
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WALLIS & FUTUNA ISLANDS 2014 September 5 (Tapa Clothes) (Set of 4)

751d	85fr	Stylized shells (with canoe, trees, & house)	S B
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TAIWAN JELLYFISH

On 8 January 2015, Taiwan issued a set of four special stamps depicting jellyfish (Sc#4214–17). The stamps are perforated 13¼×13 and measure 30×40 mm. They were printed in sheets of 20 by Cartor Security Printing in La Loupe, France, on phosphorescent paper using an offset method. The designer was Jheng Yi-lang.

The printers used four colors and three fluorescent inks that cause the stamps glow under purple light.

Jellyfish are gelatinous invertebrates and have neither hearts nor skeletons. They are transparent and contain 95 percent water.

Pelagia noctiluca (NT\$5) has a bell diameter up to 10 cm. It feeds on zooplankton and larval fish. Its reproductive gland contains a bioluminescent enzyme that can produce beautiful glow. This jellyfish is widely distributed in warm temperate surface waters.

Physophora hydrostatica (NT\$7) can grow up to 8–12 cm in length and feeds on zooplankton. A colony contains a number of specialized individuals with different functions. It behaves and moves like a single organism. They are widely found in temperate and tropical surface waters of the world ocean.

Mastigias papua (NT\$10) with a bell about 10 cm in diameter, feeds on zooplankton. Its umbrella has numerous white spots and can vary in color depending on the environmental conditions and the types of symbiotic algae. It is mainly distributed in tropical and subtropical coastal waters, as well as bays and lagoons.

Cyanea capillata (NT\$12) is a large jellyfish with a bell that can reach up to 2 meters in diameter. It feeds on zooplankton, small fish, and other jellyfishes. From its bell dangles as many as 150 tentacles, which may attain a length of 35 meters when fully stretched. It is mainly distributed in temperate and polar surface waters, but occasionally is found in tropical waters with a smaller size.





ENTOMOLOGY

Editor

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



New Listings

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
ANDORRA (French Admin) 2015 October 2 (Flora & Fauna) (Set of 2)				
	95c	Apollo, <i>Parnassius apollo</i> L.	PAP, Papilioninae	A*
BELARUS 2014 November 27 (Naliboki Forest Wildlife) (Horiz strip/4 & Bklt/4)				
922a	N (1600r)	U/I Beetle	Cerambycidae	U B
922d	H (7500r)	<i>Polyommatus</i> sp.	LYC, Polyommatinae	U B
2015 August 26 (Ladybugs) (Set of 4 & MS/4)				
A (3600r)		7-Spotted Ladybird, <i>Coccinella septempunctata</i> L.	COC, Coccinellinae	A*
N (7800r)		22-Spot Ladybird, <i>Psyllobora vigintiduopunctata</i> L.	COC, Coccinellinae	A*
M (9600r)		14-Spot Ladybird, <i>Propylea quatuordecimpunctata</i> L.	COC, Coccinellinae	A*
H (10500r)		Cream-Spot Ladybird, <i>Calvia quatuordecimguttata</i> L.	COC, Coccinellinae	A*
BOSNIA & HERZEGOVINA 2015 February 27 (Coccinellidae) (SS/1)				
734	2m	7-Spotted Ladybird, <i>Coccinella septempunctata</i> L.	COC, Coccinellinae	A*
FRANCE 2014 June 14 (Salon du Timbre 2014 Exhibition) (SS/4)				
4606c	Margin	Ctr: Stylized BUTTERFLY	Lepidoptera	S Z
2014				
(68c)	L:	Western Honeybee, <i>Apis mellifera</i> L. (in amber)	API, Apinae	
	R:	Araña Cave prehistoric painting of collecting honey (like Spain Sc#1884)		
2015 September 25 (Sense of Sight) (Bklt/12)				
h	(20g)	Stylized Peacock, <i>Nymphalis io</i> L.	NYM, Nymphalinae	S
2015 October 2 (J.H. Fabre 100th Death anniv.) (SS/1)				
€2.60		Jean-Henri Fabre (1823–1915), entomologist		R
	LR:	Sacred Scarab Beetle, <i>Scarabaeus sacer</i> L. (rolling dung)	SCA, Scarabaeinae	B
	LR:	Black-Veined White, <i>Aporia crataegi</i> L. (on dung ball)	PIE, Pierinae	B
Margin	LL:	2 U/I ANTS	Formicidae	U Z
	Top:	Western Honeybee, <i>Apis mellifera</i> L.	API, Apinae	Z
	UR:	Great Green Bush Cricket, <i>Tettigonia viridissima</i> L.	TET, Tettigoniinae	Z
	LR:	Black-Veined White, <i>Aporia crataegi</i> L.	PIE, Pierinae	Z
GHANA 2014 March 19 (Qi Baishi 150th Birth anniv.) (SS/2)				
Margin		PRAYING MANTIS (“Autumn Landscape with Cormorants”)	MAN, Mantinae	S Z
HONDURAS 2014 June (Wildlife Conservation) (Set of 8)				
C1314	30L	Malachite, <i>Siproeta stelenes</i> L.	NYM, Nymphalinae	A*
KIRIBATI 2015 May 27 (Butterflies of Kiribati) (SS/2)				
a	\$2	Meadow Argus, <i>Junonia villida</i> Fabr.	NYM, Nymphalinae	A*
b	\$3	Blue Moon, <i>Hypolimnas bolina</i> L., ♂	NYM, Nymphalinae	A*
Margin		Monarch, <i>Danaus plexippus</i> L., ♂	NYM, Danainae	Z*

MADAGASCAR		2015 (Butterflies) (3ea SS/1) (triangular)			
SS 6000fr		<i>Taenaris schoenbergi</i> Fruhstorfer (Cap: <i>Morphotenaris s.</i>)	NYM, Morphinae	A*	
Margin		L: Chestnut Tiger, <i>Parantica sita</i> Kollar	NYM, Danainae	Z*	
		Top: Orange-Spotted Tiger Clearwing, <i>Mechanitis polymnia</i> L.	NYM, Danainae	Z*	
		LR: Brown Morpho, <i>Morpho hecuba</i> L.	NYM, Morphinae	Z*	
SS 6000fr		Polyphemus Moth, <i>Antheraea polyphemus</i> Cramer	SAT, Saturniinae	A*	
Margin		UL: New Guinea Birdwing, <i>Troides priamus</i> L.	PAP, Papilioninae	Z*	
		Top: U/I MOTH			U Z
		UR: Atlas Moth, <i>Attacus atlas</i> L.	SAT, Saturniinae	Z*	
		Bot: Blue Mormon, <i>Papilio polymnestor</i> Cramer	PAP, Papilioninae	Z*	
SS 6000fr		Io Moth, <i>Automeris io</i> Fabr.	SAT, Hemileucinae	A*	
Margin		UL: Blue Morpho, <i>Morpho helenor peleides</i> Kollar	NYM, Morphinae	Z*	
		UR: Apollo, <i>Parnassius apollo</i> L.	PAP, Papilioninae	Z*	
		LL: Postman, <i>Heliconius melpomene cythera</i> Hewitson	NYM, Heliconiinae	Z*	
MEXICO		2015 January 30 (St. Valentine's Day)			
2925	7p	Very stylized Butterfly	Lepidoptera		S
MONTSERRAT		2015 September 30 (Bees) (MS/4 & SS/1)			
a	\$3.25	Orange-Belted Bumblebee, <i>Bombus ternarius</i> Say	API, Apinae	A*	
b	\$3.25	American Bumblebee, <i>Bombus pennsylvanicus</i> DeGeer	API, Apinae	A*	
c	\$3.25	Eastern Carpenter Bee, <i>Xylocopa virginica</i> L.	API, Xylocopinae	A*	
d	\$3.25	Cuckoo Bee, <i>Nomada luteola</i> Olivier	API, Nomadinae	A*	
	SS \$7	Common Eastern Bumblebee, <i>Bombus impatiens</i> Cresson	API, Apinae	A*	
ST. MARTIN		2015 (Tourism Personalized) (MS/10)			
a	180c	Stylized Butterflies	Lepidoptera		S
		2015 September 16 (Butterflies) (2ea MS/5)			
a	25c	Mimic, <i>Hypolimnas misippus</i> L.	NYM, Nymphalinae	A*	
b	50c	Krishna Peacock, <i>Papilio krishna</i> Moore	PAP, Papilioninae	A*	
c	75c	Variable Checkerspot, <i>Euphydryas chalcedona</i> Dbldy. & Hew.	NYM, Nymphalinae	A*	
d	100c	Harvester, <i>Feniseca tarquinius</i> Fabr.	LYC, Miletinae	A*	
e	150c	Christmas Butterfly, <i>Papilio demodocus</i> Esper	PAP, Papilioninae	A*	
a	250c	Western Pygmy Blue, <i>Brephidium exilis</i> Boisduval	LYC, Polyommatae	A*	
b	350c	Striped Grayling, <i>Hipparchia fidia</i> L. (Cap: <i>Pseudotergumia</i>)	NYM, Satyrinae	A*	
c	400c	Coral Hairstreak, <i>Satyrium titus</i> Fabr.	LYC, Theclinae	A*	
d	500c	Blue-Banded Peacock, <i>Papilio arcturus</i> Westwood	PAP, Papilioninae	A*	
e	600c	Theona Checkerspot, <i>Chlosyne theona</i> Ménétries (Cap: <i>Thessalia</i>)	NYM, Nymphalinae	A*	
SWITZERLAND		2015 August 27 (Special Events) (Set of 4)			
	100c	7-Spotted Ladybird, <i>Coccinella septempunctata</i> L.	COC, Coccinellinae	A*	
TONGA		2015 September 1 (Butterflies) (Set of 2 & 2ea SS/1)			
	SS \$15	Scarlet Mormon, <i>Papilio deiphobus rumanzovia</i> Eschscholtz	PAP, Papilioninae	A*	
	SS \$50	Eggfly, <i>Hypolimnas bolina</i> L.	NYM, Nymphalinae	A*	
TONGA (Niufo'ou)		2015 September 1 (Butterflies) (Set of 2)			
	\$15	Common Crow, <i>Euploea core</i> Cramer	NYM, Danainae	A*	
	\$50	Pea Blue, <i>Lampides boeticus</i> L.	LYC, Polyommatae	A*	
UNITED STATES		2015 July 31 (Fanciful Flowers) (Postal Cards)			
UX646	(35c)	Stylized Western Honeybee, <i>Apis mellifera</i> L.	API, Apinae		S
UY53	2x(35c)	Same (paid reply cards, attached)			S

VIETNAM**2015 October 20** (Beetles) (Set of 4)

3000d	<i>Cheirotonus battareli</i> Pouillaude	SCA, Euchirinae	A*
3000d	Golden Stag Beetle, <i>Odontolabis cuvera</i> Hope	LUC, Lucaninae	A*
4500d	Giant Stag Beetle, <i>Dorcus titanus</i> Boisduval	LUC, Lucaninae	A*
8000d	<i>Jumnos ruckeri</i> Saunders	SCA, Cetoniinae	A*

Beyond the Catalogs**BURUNDI****2014** (Rotary Against Malaria in Africa) (SS/2) (Impressor, S.A.)

b	3190fr	<i>Anopheles gambiae</i> Giles	CUL, Anophelinae	B*
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2014 (Bees of Burundi) (MS/4, SS/4, 4ea SS/1) (Impressor, S.A.)

a	3440fr	Violet Carpenter Bee, <i>Xylocopa violacea</i> L.	API, Xylocopinae	A*
b	3440fr	Tawny Mining Bee, <i>Andrena fulva</i> Mueller	AND, Andreninae	A*
c	3440fr	African Honeybee, <i>Apis mellifera scutellata</i> Lepeletier	API, Apinae	A*
d	3440fr	Italian Honeybee, <i>Apis mellifera ligustica</i> Scopoli	API, Apinae	A*
Margin		Eight Stylized bees		S Z
		SS/4 as above with wide R margin		
Margin		UR: <i>Meliponula ferruginea</i> Cockerell	API, Apinae	Z*
		MR: Moroccan Honeybee, <i>A. mellifera sahariensis</i> Baldensperger	API, Apinae	Z*
		LR: <i>Apis mellifera intermissa</i> Maa	API, Apinae	Z*
SS	3440fr	Violet Carpenter Bee, <i>Xylocopa violacea</i> L.	API, Xylocopinae	A*
Margin		UR: European Wool-Carder Bee, <i>Anthidium manicatum</i> L.	MEGA, Megachilinae	Z*
		LR: Neon Cuckoo Bee, <i>Thyreus nitidulus</i> Fabr.	API, Xylocopinae	Z*
		Ctr: Western Honeybees, <i>Apis mellifera</i> L. (with wicker hives)	API, Apinae	Z*
SS	3440fr	Tawny Mining Bee, <i>Andrena fulva</i> Mueller	AND, Andreninae	A*
Margin		UR: Western Honeybees, <i>Apis mellifera</i> L. (with lay pot hive)	API, Apinae	Z*
		LR: <i>Xylocopa caffra</i> L. ♀	API, Xylocopinae	Z*
		Ctr: Same species ♂	API, Xylocopinae	Z*
SS	3440fr	African Honeybee, <i>Apis mellifera scutellata</i> Lepeletier	API, Apinae	A*
Margin		UR: Western Honeybees, <i>Apis mellifera</i> L. (with wicker hive)	API, Apinae	Z*
		MR: Hairy-Footed Flower Bee, <i>Anthophora plumipes</i> Pallas	API, Apinae	Z*
		LR: <i>Xylocopa flavorufa</i> DeGeer	API, Xylocopinae	Z*
SS	3440fr	Italian Honeybee, <i>Apis mellifera ligustica</i> Scopoli	API, Apinae	A*
Margin		UR: Western Honeybees, <i>Apis mellifera</i> L. (with wicker hive)	API, Apinae	Z*
		LR: Cicada-Killer Wasp, <i>Sphecius speciosus</i> Drury	CRA, Bembicinae	Z*
		Ctr: <i>Allodapula variegata</i> Smith	API, Xylocopinae	Z*

CENTRAL AFRICA**2015 June 25** (Moths) (MS/4 & SS/1) (Stamperija)

a	900fr	Atlas Moth, <i>Attacus atlas</i> L.	SAT, Saturniinae	A*
b	900fr	Luna Moth, <i>Actias luna</i> L.	SAT, Saturniinae	A*
c	900fr	Imperial Moth, <i>Eacles imperialis</i> Drury	SAT, Saturniinae	A*
d	900fr	White-Lined Hawkmoth, <i>Hyles lineata</i> Fabr.	SPH, Macroglossinae	A*
SS	3000fr	Six-Spot Burnet Moth, <i>Zygaena filipendulae</i> L.	ZYG, Zygaeninae	A*
Margin:		L: Cecropia Moth, <i>Hyalophora cecropia</i> L.	SAT, Saturniinae	Z*

2015 September 21 (Scouting) (MS/3 & SS/1) (Stamperija)

MS Margin	LL: Gaudy Grasshopper, <i>Phymateus morbillosus</i> L.	PYRG, Pyrgomorphinae	Z*
SS Margin	LR: Old World Swallowtail, <i>Papilio machaon</i> L.	PAP, Papilioninae	Z*

2015 September 21 (Scarabs of Egypt) (MS/3 & SS/1) (Stamperija)

a	1000fr	Sacred Scarab Beetle, <i>Scarabaeus sacer</i> L. (scarab brooch)	SCA, Scarabaeinae	S
c	1000fr	Same species (scarab ring)		S
Margin		LR: Same species (scarab design on belt)		S Z

CENTRAL AFRICA (continued)

	SS 2650fr	Sacred Scarab Beetle, <i>Scarabaeus sacer</i> L. (scarab brooch)	SCA, Scarabaeinae	S
	Margin	UL: Same species (scarab jewelry)		S Z
		LL: Same species (beetle rolling dung ball)		Z
		LR: Same species (scarab ring)		S Z
2015 October 21 (Butterflies) (MS/4 & SS/1) (Stamperija)				
a	900fr	Sapho Longwing, <i>Heliconius sapho</i> Drury	NYM, Heliconiinae	A*
b	900fr	Common Blue, <i>Polyommatus icarus</i> Rottemburg (Cap: <i>Coenonympha tullia</i>)	LYC, Polyommatinae	A*
c	900fr	Common Rose, <i>Atrophaneura hector</i> L. (Cap: <i>Pachliopta h.</i>)	PAP, Papilioninae	A*
d	900fr	Banded Peacock, <i>Papilio palinurus</i> Fabr.	PAP, Papilioninae	A*
	Margin	LR: Common Ringlet, <i>Coenonympha tullia</i> Mueller	NYM, Satyrinae	Z*
	SS 3000fr	Sapho Longwing, <i>Heliconius sapho</i> Drury	NYM, Heliconiinae	A*
	Margin	Top: Common Blue, <i>Polyommatus icarus</i> Rottemburg	LYC, Polyommatinae	Z*
		MR: Duke of Burgundy Fritillary, <i>Hamearis lucina</i> L.	RIO, Riodininae	Z*
2015 October 21 (Stamps-on-Stamps) (MS/4 & SS/1) (Stamperija)				
a	750fr	Old World Swallowtail, <i>Papilio machaon</i> L. (Yugoslavia Sc#729)	PAP, Papilioninae	A
	SS Margin	LR: Blue Emperor, <i>Papilio ulysses joesa</i> Butler (Australia Sc#2187)	PAP, Papilioninae	Z
		Bot: U/I BUTTERFLY (unk Sc# s-o-s)	Lepidoptera	U Z
CHAD 2014 (Entomologists) (MS/2, SS/2, 2ea SS/1) (Non-Official)				
a	550fr	Tailed Net-winged Beetle, <i>Lycus trabeatus</i> Guérin-Méneville ♂ (with Félix Guérin-Méneville [1799–1874])	Lycidae, Lycinae	B*
b	550fr	Tree Lobster, <i>Dryococelus australis</i> Montrouzier (with Jean-Henri Fabre [1823–1915])	Phasmatidae, Lonchodinae	B*
	MS Margin	UL: Forest Dung Beetle, <i>Anoplotrupes stercorosus</i> Scriba	GEOT, Geotrupinae	Z
		UR: Mountain Longwing, <i>Heliconius hortense</i> Guérin-Méneville	HYM, Heliconiinae	Z
		LR: U/I BEETLE	CER, Prioninae	U Z
	SS 1100fr	SS/2 as above with large margins		
	Margin	UL: Red Pierrot, <i>Talicauda nyseus</i> Guérin-Méneville	LYC, Polyommatinae	Z*
		ML: Horned Dung Beetle, <i>Copris lunaris</i> L.	SCA, Scarabaeinae	Z*
		LL: Minotaur Beetle, <i>Typhaeus typhoeus</i> L.	GEOT, Geotrupinae	Z*
		Top: Japanese Oak Silk Moth, <i>Antheraea yamamai</i> Guérin-Méneville	SAT, Saturniinae	Z*
		UR: Mountain Longwing, <i>Heliconius hortense</i> Guérin-Méneville	NYM, Heliconiinae	Z*
		LR: Forest Dung Beetle, <i>Anoplotrupes stercorosus</i> Scriba	GEOT, Geotrupinae	Z*
	SS 550fr	Tailed Net-winged Beetle, <i>Lycus trabeatus</i> Guérin-Méneville ♂	Lycidae, Lycinae	B*
	Margin	UL: Southern Cyan Tiger Moth, <i>Macrocne chrysitis</i> Guérin-Méneville	ARC, Ctenuchinae	
		Top: U/I BEETLE	CER, Prioninae	U Z
		LL: Tropical Leafwing, <i>Anaea troglodyta aidea</i> Guérin-Méneville	NYM, Charaxinae	Z*
	SS 550fr	Tree Lobster, <i>Dryococelus australis</i> Montrouzier	Phasmatidae, Lonchodinae	B*
	Margin	UL: Conehead Mantis, <i>Empusa pennata</i> Hübner	Empusidae, Empusinae	Z*
		LR: Common Dor Beetle, <i>Odontaeus armiger</i> Scopoli	GEOT, Bolboceratinae	Z*
2015 (Winnie the Pooh) (MS/4) (Stamperija)				
c	1500fr	Honey in pot from Western Honeybee		R
d	1500fr	Stylized BUTTERFLY (on Pooh's nose)	Lepidoptera	S
CONGO PEOPLE'S REPUBLIC 2015 (Butterflies) (MS/4 & 4ea SS/1)				
a	2000fr	Purple Emperor, <i>Apatura iris</i> L.	NYM, Apaturinae	A*
b	2000fr	Blue Morpho, <i>Morpho menelaus</i> L.	NYM, Morphinae	A*
c	2000fr	Leopard Fritillary, <i>Phalanta phalantha</i> Drury	NYM, Heliconiinae	A*
d	2000fr	Monarch, <i>Danaus plexippus</i> L. ♂	NYM, Danainae	A*
	Margin	MS and each SS have silhouettes of each butterfly	Nymphalidae	S Z

DJIBOUTI**2015 (Butterflies of Asia) (MS/4) (Illegal)**

a	1500fr	Large Tree Nymph, <i>Idea leuconoe</i> Erichson	NYM, Danainae	A*
b	1500fr	Clipper, <i>Parthenos sylvia</i> Cramer	NYM, Limenitidinae	A*
c	1500fr	Poplar Admiral, <i>Limenitis populi</i> L.	NYM, Limenitidinae	A*
d	1500fr	Malay Lacewing, <i>Cethosia hypsea</i> Doubleday	NYM, Heliconiinae	A*
	Margin	Many stylized butterflies around entire margin		S Z

2015 (Butterflies of Europe) (MS/4) (Illegal)

a	1500fr	Silver-Washed Fritillary, <i>Argynnis paphia</i> L.	NYM, Heliconiinae	A*
b	1500fr	Large Blue, <i>Maculinea arion</i> L.	LYC, Polyommatainae	A*
c	1500fr	Marsh Fritillary, <i>Euphydryas aurinia</i> Rottemburg	NYM, Nymphalinae	A*
d	1500fr	Old World Swallowtail, <i>Papilio machaon</i> L.	PAP, Papilioninae	A*
	Margin	Many stylized butterflies around entire margin		S Z

GUINEA**2015 June 22 (Red Cross Fight Against Malaria) (MS/4) (Stamperija)**

a	10000fr	<i>Anopheles gambiae</i> Giles (with blood platelets facing right)	CUL, Anophelinae	B*
c	10000fr	<i>Anopheles gambiae</i> Giles (with blood platelets facing left)	CUL, Anophelinae	B*

2015 August 20 (Butterflies) (MS/4 & SS/1) (Stamperija)

a	10000fr	Giant Swallowtail, <i>Papilio cressphontes</i> Cramer	PAP, Papilioninae	A*
b	10000fr	Cairns Birdwing, <i>Troides priamus euphorion</i> Gray	PAP, Papilioninae	A*
c	10000fr	Red Lacewing, <i>Cethosia biblis</i> Druce	NYM, Heliconiinae	A*
d	10000fr	Gulf Fritillary, <i>Agraulis vanillae</i> L.	NYM, Heliconiinae	A*
	Margin	UR & LR: Caledonian Blue Swallowtail, <i>Papilio montrouzieri</i> Boisduval	PAP, Papilioninae	
SS	35000fr	Alexandra's Birdwing, <i>Troides alexandrae</i> Rothschild ♂	PAP, Papilioninae	A*
	Margin	LL: Same species ♀	PAP, Papilioninae	Z*
		R: Blue Monarch, <i>Tirumala limniace</i> Cramer	NYM, Danainae	Z*
		UR: Small Tortoiseshell, <i>Nymphalis urticae</i> L.	NYM, Nymphalinae	Z*

MALI**2015 (Magnificent Butterflies) (MS/3 & SS/1)**

a	500fr	Postman, <i>Heliconius melpomene</i> L. (triangular)	NYM, Heliconiinae	A*
b	500fr	Bhutan Glory, <i>Bhutanitis lidderdalii</i> Atkinson (triangular)	PAP, Papilioninae	A*
c	1800fr	Blue Doctor, <i>Rhetus periander</i> Cramer (kite shaped)	RIO, Riodininae	A*
	Margin	Bkgrd: Stylized butterfly		S Z
SS	1800fr	Goliath Birdwing, <i>Troides goliath</i> Oberthür (kite shaped)	PAP, Papilioninae	A*
	Margin	Bkgrd: Stylized butterfly		S Z

MOZAMBIQUE**2015 June 15 (Combat Malaria) (MS/4 & SS/1) (Stamperija)**

b	46m	<i>Anopheles funestus</i> Giles	CUL, Anophelinae	B*
	SS 175m	Same species (with children)		B*

2015 June 15 (Butterflies) (MS/4 & SS/1) (Stamperija)

a	46m	Common Grass Yellow, <i>Eurema hecabe</i> L.	PIE, Pierinae	A*
b	46m	Large White-Spots, <i>Osmodes laronia</i> Hewitson	HES, Hesperinae	A*
c	46m	Western Blue Beauty, <i>Salamis cytora</i> Doubleday & Hewitson (Cap: <i>Protogoniomorpha cytora</i>)	NYM, Nymphalinae	A*
d	46m	Western Red Glider, <i>Cymothoe mabillei</i> Overlaet	NYM, Limenitidinae	A*
	Margin	UL: Christmas Butterfly, <i>Papilio demodocus</i> Esper (chrysalis)	PAP, Papilioninae	Z*
		LL: Same species (adult)		Z*
		UR: Large Lurid Glider, <i>Cymothoe hypatha</i> Hewitson ♂ (Cap: <i>Cymothoe coccinata</i>)	NYM, Limenitidinae	Z*
		LR: Large White-Spots, <i>Osmodes laronia</i> Hewitson	HES, Hesperinae	Z*

MOZAMBIQUE (continued)

SS 175m	Christmas Butterfly, <i>Papilio demodocus</i> Esper (with larva)	PAP, Papilioninae	A*
Margin	UL: Common Bush Brown, <i>Bicyclus evenus</i> Hopffer (<i>safitza</i> of some)	NYM, Satyrinae	Z*
	ML: The Novice, <i>Amauris ochlea</i> Boisduval (larva)	NYM, Danainae	Z*
	LL: Same species (adult)		Z*
	UR: Christmas Butterfly, <i>Papilio demodocus</i> Esper (chrysalis)	PAP, Papilioninae	Z*
	MR: African Monarch, <i>Danaus chrysippus</i> L. (emerging adult)	NYM, Danainae	Z*
	LR: Common Yellow Glider, <i>Cymothoe egesta</i> Cramer	NYM, Limenitidinae	Z*

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

a	46m	Western Honeybee, <i>Apis mellifera</i> L. (hybrid)	API, Apinae	A*
b	46m	Cape Honeybee, <i>Apis mellifera capensis</i> Eschscholtz	API, Apinae	A*
c	46m	Buff-Tailed Bumblebee, <i>Bombus terrestris</i> L. (facing left)	API, Apinae	A*
d	46m	Same species (facing rear)		A*
Margin	UL: U/I BEE	API, Apinae	U Z	
	UR: Western Honeybee, <i>Apis mellifera</i> L.	API, Apinae	Z*	
SS 175m	Buff-Tailed Bumblebee, <i>Bombus terrestris</i> L.	API, Apinae	A*	
Margin	4ea Western Honeybees, <i>Apis mellifera</i> L. (hybrids)	API, Apinae	Z*	

2015 August 3 (Bee-eater Birds) MS/4 & SS/1) (Stamperija)

a	46m	<i>Apis mellifera intermissa</i> Maa	API, Apinae	B*
b	46m	African Honeybee, <i>Apis mellifera scutellata</i> Lepelletier	API, Apinae	B*
c	46m	Same species (with <i>Merops orientalis</i>)		B*
d	46m	BEE (in beak of <i>Merops nubicus</i>)	API, Apinae	C
Margin	LR: <i>Apis mellifera sahariensis</i>	API, Apinae	Z*	
SS 175m	BEE (in beak of <i>Merops bulocki</i>)	API, Apinae	C	
Margin	Bot: BEE (in beak of <i>Merops variegatus</i>)	API, Apinae	C Z	

2015 August 3 (Ants) (MS/4 & SS/1) (Stamperija)

a	46m	Ghost Ant, <i>Tapinoma melanocephalum</i> Fabr.	FOR, Dolichoderinae	A*
b	46m	<i>Apomyrma stygia</i> Brown, Gotwald & Levieux	FOR, Amblyoponinae	A*
c	46m	<i>Dorylus gribodoi</i> Emery	FOR, Dorylinae	A*
d	46m	<i>Megaponera analis</i> Latreille	FOR, Ponerinae	A*
Margin	LL: <i>Dorylus gribodoi</i> Emery	FOR, Dorylinae	Z*	
SS 175m	<i>Dorylus gribodoi</i> Emery	FOR, Dorylinae	A*	
Margin	Bot: <i>Megaponera analis</i> Latreille	FOR, Ponerinae	Z*	

ST. THOMAS & PRINCE IS. **2015 September 23** (Scouting) (SS/1) (Stamperija)

SS 96000d	Plain Tiger, <i>Danaus chrysippus</i> L. (LL margin)	NYM, Danainae	Z*
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2015 September 23 (Butterflies) (MS/4 & SS/1) (Stamperija)

a	31000d	Forest Giant Owl Butterfly, <i>Caligo eurilochus</i> Cramer	NYM, Morphinae	A*
b	31000d	Top: Large Tree Nymph, <i>Idea leuconoe</i> Erichson	NYM, Danainae	B*
		Bot: Great Mormon, <i>Papilio memnon</i> L.	PAP, Papilioninae	B*
c	31000d	<i>Heliconius cydno</i> Doubleday & Hewitson	NYM, Heliconiinae	A*
d	31000d	Striped Blue Crow, <i>Euploea mulciber</i> Cramer	NYM, Danainae	A*
Margin	UL: Turquoise Emperor, <i>Apaturina erminia</i> Cramer	NYM, Apaturinae	Z*	
	LR: Striped Blue Crow, <i>Euploea mulciber</i> Cramer	NYM, Danainae	Z*	
SS 96000d	<i>Heliconius cydno</i> Doubleday & Hewitson	NYM, Heliconiinae	A*	
Margin	UR: Great Mormon, <i>Papilio memnon</i> L.	PAP, Papilioninae	Z*	
	Ctr: Zebra Longwing, <i>Heliconius charithonia</i> L.	NYM, Heliconiinae	Z*	
	Top, MR, LR: Queen, <i>Danaus gilippus</i> Cramer	NYM, Danainae	Z*	

SIERRA LEONE**2015 July 24** (Fight Malaria) (MS/4 & SS/1) (Stamperija)

a	6500Le	<i>Anopheles gambiae</i> Giles (with no mosquito symbol)	CUL, Anophelinae	A*
d	6500Le	<i>Anopheles gambiae</i> Giles (no mosquito symbol)	CUL, Anophelinae	S
	Margin	LR: Same species		Z*
	SS 26000Le	<i>Anopheles gambiae</i> Giles (with child)	CUL, Anophelinae	B*
	Margin	R: Same species		Z*

2015 August 21 (Butterflies) (MS/4 & SS/1) (Stamperija)

a	5500Le	White Peacock, <i>Anartia jatrophae</i> Johansson	NYM, Nymphalinae	A*
b	5500Le	Malachite, <i>Siproeta stelenes</i> L.	NYM, Nymphalinae	A*
c	5500Le	Australian Painted Lady, <i>Vanessa kershawi</i> McCoy	NYM, Nymphalinae	A*
d	5500Le	Blue Wave, <i>Myscelia ethusa</i> Boisduval	NYM, Biblidinae	A*
	Margin	UL: Swallowtail silhouette	PAP, Papilioninae	S Z
	SS 22000Le	Ajax Swallowtail, <i>Protographium marcellus</i> Cramer	PAP, Papilioninae	A*
	Margin	UR: Same species	PAP, Papilioninae	Z*
		UL: Anglewing silhouette, <i>Nymphalis</i> sp.	NYM, Nymphalinae	S Z

2015 August 21 (Bees) (MS/4 & SS/1) (Stamperija)

a	5500Le	Eastern or Asian Honeybee, <i>Apis cerana</i> Enderlein	API, Apinae	A*
b	5500Le	Neon Cuckoo Bee, <i>Thyreus nitidulus</i> Fabr.	API, Xylocopinae	A*
c	5500Le	Pantaloon Bee, <i>Dasypoda hirtipes</i> Fabr.	Dasypodidae, Dasypodinae	A*
d	5500Le	Western Honeybee, <i>Apis mellifera</i> L.	API, Apinae	A*
	Margin	UL: Bee silhouette		S Z
	SS 22000Le	<i>Halictus scabiosae</i> Rossi	HAL, Halictinae	A*
	Margin	R & LR: Brown Bumblebee, <i>Bombus pascuorum</i> Scopoli	API, Apinae	Z*
		Top: Bee silhouette		S Z

SOLOMON ISLANDS**2015 June 26** (Australian Butterflies) (MS/4 & SS/1) (Stamperija)

a	\$12	Cairns Birdwing, <i>Troides priamus euphorion</i> Gray	PAP, Papilioninae	A*
b	\$12	Union Jack, <i>Delias mysis</i> Fabr.	PIE, Pierinae	A*
c	\$12	Lemon Migrant, <i>Catopsilia pomona</i> Fabr.	PIE, Coliadinae	A*
d	\$12	Indigo Flash, <i>Rapala varuna</i> Hewitson	LYC, Theclinae	A*
	SS \$40	L: Caper White, <i>Belenois java</i> L.	PIE, Pierinae	B*
		R: Northern Jezebel, <i>Delias argenthona</i> Fabr.	PIE, Pierinae	B*
	Margin	L: The Cornelian, <i>Deudorix epijarbas</i> Moore	LYC, Theclinae	Z*
		R & Bot: Leopard Fritillary, <i>Phalanta phalantha</i> Drury	NYM, Heliconiinae	Z*

2015 June 26 (Cats) (SS/1) (Stamperija)

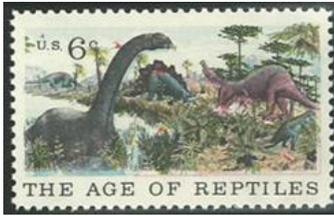
	SS \$40	Apollo, <i>Parnassius apollo</i> L. (R margin)	PAP, Parnassiinae	Z*
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2015 September 25 (Butterflies) (MS/4 & SS/1) (Stamperija)

a	\$12	Narcissus Jewel, <i>Hypochrysops narcissus</i> Fabr.	LYC, Theclinae	A*
b	\$12	Indigo Flash, <i>Rapala varuna</i> Hewitson	LYC, Theclinae	A*
c	\$12	Tailed Emperor, <i>Polyura pyrrhus sempronius</i> Fabr.	NYM, Charaxinae	A*
d	\$12	Malay Tiger, <i>Danaus affinis malayanus</i> Fruhstorfer	NYM, Danainae	A*
	SS \$40	Common Grass Yellow, <i>Eurema hecabe</i> L.	PIE, Coliadinae	A*
	Margin	Top & UR: Cairns Birdwing, <i>Troides priamus euphorion</i> Gray	PAP, Papilioninae	Z*
		Bot: Yellow-Spot Jewel, <i>Hypochrysops byzos</i> Boisduval	LYC, Theclinae	Z*

TOGO**2015 October 26** (Bee-eater Birds) (MS/4 & SS/1) (Stamperija)

a,b,&c	900fr	BEE in bird's beak	Hymenoptera	U C
	SS 3200fr	BEE in bird's beak (also in R margin)	Hymenoptera	U C



PALEONTOLOGY

Editor

Michael Kogan, BU1863

New Listings



Scott#	Denom	Common Name/Scientific Name	Family	Code
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BELGIUM

2015 September 7 (Prehistoric Animals) (Bklt/10) (s/a)

Denominated at the domestic letter rate (letters up to 50g). Two stamps pay for a letter up to 100g.

(72c)		<i>Giraffatitan</i>	†Brachiosauridae	A
(72c)		<i>Torvosaurus</i>	†Megalosauridae	A
(72c)		<i>Olorotitan</i> (new)	†Hadrosauridae	A
(72c)		<i>Deinonychus</i>	†Dromaeosauridae	A
(72c)		<i>Aurornis</i>	Clade: Avialae	A
(72c)		<i>Ankylosaurus</i>	†Ankylosauridae	A
(72c)		<i>Einiosaurus</i>	†Ceratopsidae	A
(72c)		<i>Pteranodon</i>	†Pteranodontidae	A
(72c)		<i>Iguanodon</i>	†Iguanodontidae	A
(72c)		<i>Kentrosaurus</i>	†Stegosauridae	A

CANADA

2015 August 21 (UNESCO World Heritage Sites) (MS/5 & Bklt/6)

Re-release of stamps from July 3, this time with the correct image of the park.

2857a	\$1.20	Dinosaur Provincial Park (fossil discovery site) (design correction)		R
2857	SS \$6	SS of 5 (Sc#2844b–e, 2857a)		
2858	\$1.20	Dinosaur Provincial Park (fossil discovery site) (design correction) (s/a)		R
2858a	\$7.20	Bklt/6 (2ea Sc#2846–47, 2858) (s/a)		

CENTRAL AFRICAN REPUBLIC 2015 June 26

(Dinosaurs) (MS/4 & SS/1) [1]

a	750fr	<i>Protoceratops andrewsi</i>	†Protoceratopsidae	A
b	750fr	<i>Spinosaurus aegyptiacus</i>	†Spinosauridae	A
c	750fr	<i>Aucasaurus garridoi</i>	†Abelisauridae	A
d	750fr	<i>Styracosaurus albertensis</i>	†Ceratopsidae	A
	SS 2650fr	<i>Triceratops horridus</i>	†Ceratopsidae	A
	Margin	L: <i>Tyrannosaurus rex</i>	†Tyrannosauridae	Z

2015 October 21 (Aquatic Reptiles of Jurassic) (MS/4 & SS/1) [1]

a	750fr	<i>Pliosaurus rossicus</i> (new)	†Pliosauridae	A
b	750fr	<i>Ophthalmosaurus icenicus</i>	†Ophthalmosauridae	A
		LR: <i>Asteroceras</i> sp. (new)	†Arietitidae	B
c	750fr	<i>Liopleurodon ferox</i>	†Pliosauridae	A
d	750fr	<i>Plesiosaurus dolichodeirus</i>	†Plesiosauridae	A
		LR: <i>Asteroceras</i> sp.	†Arietitidae	B
	Margin	<i>Leedsichthys problematicus</i> (new)	†Pachycormidae	Z
	SS 2650fr	<i>Asteroceras</i> sp. (also in L margin)	†Arietitidae	A
	Margin	UR: <i>Plesiosaurus dolichodeirus</i>	†Plesiosauridae	Z
		LL: <i>Pliosaurus rossicus</i>	†Pliosauridae	Z

2015 October 21 (Stamps-on-Stamps) (SS/1) [1]

	Margin	L: <i>Tyrannosaurus rex</i> (Germany Sc#B1007c)	†Tyrannosauridae	Z
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CUBA		2015 (Prehistoric Fauna of Caribbean) (Set of 6 & SS/1)	
	10c	<i>Carcharodon megalodon</i>	Lamnidae A
	35c	<i>Metaxytherium</i> (new)	Dugongidae A
	50c	<i>Ptychodus</i> (new)	†Ptychodontidae A
	65c	<i>Aetomylaeus cubensis</i> (new)	Myliobatidae A
	75c	U/I sp.	Physeteridae U A
	85c	<i>Orycterocetus</i> (new)	Superfam: Physeteroidea A
	SS 1p	<i>Aspidorhynchus</i> (new)	Aspidorhynchidae A
	Margin	U/I fish	U Z
GUINEA		2015 August 20 (Prehistoric Aquatic Animals) (MS/4 & SS/1) [1]	
a	10000fr	<i>Platecarpus tympaniticus</i> (with its skull)	†Mosasauridae A
b	10000fr	<i>Helicoprion bessonovi</i> (with its dental spiral)	†Helicoprionidae A
c	10000fr	<i>Elasmosaurus platyurus</i>	†Elasmosauridae A
d	10000fr	<i>Kronosaurus queenslandicus</i> (with its skull)	†Pliosauridae A
	Margin	UR: <i>Dunkleosteus terrelli</i>	†Dunkleosteidae Z
	SS 35000fr	<i>Dunkleosteus terrelli</i>	†Dunkleosteidae A
	Margin	LL: <i>Liopleurodon ferox</i>	†Pliosauridae Z
		UR: <i>Basilosaurus cetoides</i> (new)	†Basilosauridae Z
		LR: <i>Dunkleosteus terrelli</i>	†Dunkleosteidae Z
MEXICO		2011 October 18 (Agricultural & Food Safety) (MS/6)	
	2757a	7p <i>Tyrannosaurus</i> (faint background image w/ A. L. Herrera)	†Tyrannosauridae C
MOROCCO		2013 October 9 (Fossils & Minerals) (Set of 4)	
	3.75d	Stromatolites (fossil remains of microorganisms)	A
	3.75d	<i>Marrellomorpha</i> (fossil arthropod)	A
	9d	<i>Aegirocassis benmoulaï</i> (fossil arthropod)	†Hurdiidae A
MOZAMBIQUE		2015 June 15 (Dinosaurs & Minerals) (MS/4 & SS/1) [1]	
a	46m	<i>Ouranosaurus nigeriensis</i> (with selenite)	†Iguanodontidae A
b	46m	<i>Ceratosaurus nasicornis</i> (with quartz)	†Ceratosauridae A
c	46m	<i>Deltadromeus agilis</i> (with garnet)	Clade: †Ceratosauria A
d	46m	<i>Lurdusaurus arenatus</i> (with veszelyite) (new)	Clade: †Hadrosauriformes A
	Margin	Bot: <i>Stegosaurus</i>	†Stegosauridae Z
	SS 175m	<i>Suchomimus tenerensis</i> (with descloizite)	†Spinosauridae A
	Margin	LL: <i>Kentrosaurus aethiopicus</i>	†Stegosauridae Z
		Ctr: <i>Nyasasaurus parringtoni</i> (new)	Clade: Dinosauriformes Z
		LR: <i>Ceratosaurus nasicornis</i>	†Ceratosauridae Z
		2015 June 15 (Aquatic Prehistoric Animals) (MS/4 & SS/1) [1]	
a	46m	<i>Nothosaurus</i> sp.	†Nothosauridae A
b	46m	<i>Peytoia nathorsti</i> (new)	†Hurdiidae A
c	46m	<i>Dunkleosteus terrelli</i>	†Dunkleosteidae A
d	46m	<i>Dakosaurus maximus</i>	†Metriorhynchidae A
	Margin	LL: <i>Opabinia regalis</i> (new)	†Opabiniidae Z
		LR: <i>Helicoprion bessonovi</i>	†Helicoprionidae Z
	SS 175m	<i>Stethacanthus productus</i>	†Stethacanthidae A
	Margin	LL: <i>Dunkleosteus terrelli</i>	†Dunkleosteidae Z
		LR: <i>Plesiosaurus dolichodeirus</i>	†Plesiosauridae Z
ST. THOMAS & PRINCE		2015 September 23 (Jurassic Fauna) (MS/4 & SS/1) [1]	
a	31000d	<i>Dilophosaurus wetherilli</i>	Clade: Neotheropoda A
b	31000d	L: <i>Sordes pilosus</i>	Clade: †Breviquartossa A
		R: <i>Coelurus bauri</i> (new)	†Coelophysidae A

ST. THOMAS & PRINCE (continued)

c	31000d	L: <i>Dsungaripterus weii</i> (lived in Early Cretaceous not Jurassic)	†Dsungaripteridae	A
		R: <i>Scelidosaurus harrisonii</i>	†Scelidosauridae	A
d	31000d	<i>Kentrosaurus aethiopicus</i>	†Stegosauridae	A
	Margin	UR: <i>Apatosaurus</i>	†Diplodocidae	Z
		Bot: <i>Kentrosaurus aethiopicus</i>	†Stegosauridae	Z
		LR: <i>Ceratosaurus nasicornis</i>	†Ceratosauridae	Z
	SS 96000d	<i>Archaeopteryx siemensii</i>	†Archaeopterygidae	A
	Margin	UR: <i>Dsungaripterus weii</i>	†Dsungaripteridae	Z
		LR: <i>Sordes pilosus</i>	Clade: †Breviquartossa	Z

SIERRA LEONE**2015 August 21** (Prehistoric Water Animals) (MS/4 & SS/1) [1]

a	5500Le	<i>Dinichthys terrelli</i>	†Dinichthyidae	A
		L: <i>Liopleurodon</i>	†Pliosauridae	B
b	5500Le	<i>Prognathodon saturator</i>	†Mosasauridae	A
		L: <i>Thalassomedon</i>	†Elasmosauridae	B
c	5500Le	<i>Basilosaurus cetoides</i>	†Basilosauridae	A
		L: <i>Tylosaurus</i>	†Mosasauridae	B
d	5500Le	<i>Helicoprion bessonovi</i>	†Helicoprionidae	A
		L: <i>Carcharodon megalodon</i>	Lamnidae	B
	SS 22000Le	<i>Plesiosaurus brachypterygius</i>	†Plesiosauridae	A
	Margin	UR: <i>Mosasaurus hoffmannii</i>	†Mosasauridae	Z
		LR: <i>Carcharodon megalodon</i>	Lamnidae	Z

SOLOMON ISLANDS**2015 September 3** (Dinosaurs) (MS/4 & SS/1) [1]

	\$12	<i>Ankylosaurus magniventris</i>	†Ankylosauridae	A
	\$12	<i>Amargasaurus cazau</i> (new)	†Dicraeosauridae	A
	\$12	<i>Archaeopteryx lithographica</i>	†Archaeopterygidae	A
	\$12	<i>Avaceratops lammersi</i> (new)	†Ceratopsidae	A
	SS \$40	<i>Allosaurus fragilis</i>	†Allosauridae	A
	Margin	LL: <i>Allosaurus fragilis</i>	†Allosauridae	Z
		LR: <i>Amargasaurus cazau</i>	†Dicraeosauridae	Z

Stamp in Doubt**SLOVENIA****2015 January 30** (Balthasar Hacquet [1739/40–1815] Bicentenary)

Slovenian chemist-scientist who was also interested in several other fields, including geology, paleontology, botany, ethnology, and the Slovene language. More information is required. Very likely he was just interested in paleontology, but did not produce any significant work.

€1.33 Balthasar Hacquet portrait R

Postal Stationery & Commemorative Covers**INDIA****2015 September 18** (Salkhan Fossils)

A Special Cover and commemorative postmark were released to commemorate Salkhan Fossils on 18 September 2015, at Sonebhadra, India. Salkhan Fossils Park is a place in Sonebhadra District of Eastern Uttar Pradesh having oldest fossils of the world.

KOREA (South)**2015 September 24** (Dinosaur Stamps of World)

A Special Cover with a *Tyrannosaurus rex* and a *Pteranodon* and commemorative postmark with *Koreaceratops* were released for the “Dinosaur Stamps of World” exhibition, which took place between 24 September and 11 October 2015, in Seoul, South Korea.

GERMANY**2015 October 30** (Munich Fossil & Mineral Show)

A commemorative postmark shows the famous Mammoth fossil at the Natural History and Mammoth Museum in Siegsdorf, Germany. Postal stationery and a special cover without stamp was issued for the show.

Correction

MALTA

2015 April 21 (Reprint of definitive stamp from 2009)

There was a mistake in the last issue regarding the differences between the first reprint from 2011, and the second reprint from 2015. Both stamps are imprinted with a 2009 date.

There is only one stamp in the MS with an obvious difference compared to the stamp from 2011: The logo of Malta Post above the stamp in the UL corner of the MS is smaller than the logo on the MS from 2011, and the word “post” is written in orange rather than red color. Also, stamps from 2015 have more black color than stamps from 2011, the “Pleistocene Period” text on stamps from 2015 is closer to edge of the stamps, and there is a larger distance from edge of the black square to the perforations at the top (see image below).

See more details at: http://www.paleophilatelie.eu/description/stamps/malta_2015.html.

1383

1c Pygmy Elephant, *Palaeoloxodon falconeri* (skeleton)

Elephantidae

A



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

***Bat Conservation International.** Information about worldwide bats. Species profiles and identification information. Conservation activities.

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

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/>

Bird Stamp Society. Website of an organization catering to collectors of bird stamps. They publish a quarterly journal that lists new birds on stamps. The site also has a biographical reference of authors of species of birds.

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

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	NWF	National Wildlife Federation
anniv	anniversary	ovpt	overprinted
APC	American Philatelic Center (Bellefonte, PA)	perf	perforated
APS	American Philatelic Society	photo	photogravure
ATA	American Topical Association	ptg	painting or artwork
bkgrd	background	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

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