

# BIOPHILATELY

OFFICIAL JOURNAL OF THE BIOLOGY UNIT OF ATA

DECEMBER 2016

VOLUME 65, NUMBER 4

## Teach a Man to Fish...

(and you can get rid of him for a whole weekend.)



Lyman R. Caswell

Alexander von Humboldt

More Inside >>



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

Electronic versions of back copies of *Biophilately* are available on our website or from the Librarian on request. 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, address at left. 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 2017.**

### FROM THE EDITOR'S DESK

The last edition of the year offers an opportunity to reflect on the activities and accomplishments of the past twelve months as well as to remind us of the obligations and pursuits facing us in the upcoming year.

This year we had the pleasure of attending several stamp shows including the World Stamp Show in New York and the APS StampShow in Portland, Oregon. Due to the WSS, the annual National Topical Stamp Show was not held this year, but will be back next June in Milwaukee, Wisconsin. As usual, there will be lots of interesting activities and plenty of philatelic material to see. Please make plans to attend.

The start of a new year means that your annual dues are payable. See the notice on page 253 for details. As always, we are grateful for additional donations and I am looking at you Life Members.



Larry Davidson, our long-time Vice President, has decided to resign from his position on the board of the Biology Unit in order to concentrate on other activities. He will continue to be a member of the Biology Unit, and to promote the Unit while serving as an ATA Ambassador. The members of the Unit Board are very grateful for his contributions and efforts on behalf of the Biology Unit and wish him the best.

Of course, this vacancy means that we need a replacement. If you are interested in serving on the Unit Board, or would like to nominate someone to fill the position, please contact Alan Hanks, Chris Dahle, or me. See the inside cover for contact information.

In related news, our long-time Associate Editor for Ichthyology, Kris Lindstrom, has decided he wishes to retire from that position, so I am looking for someone to take over for him. If you collect the fish, or related topic, certainly you must maintain some sort of want list to keep up with the available issues. All you need to do is share it with our other readers. Please contact me if you can help in this area.

Finally, the end of year holidays are here and I wish all of you a terrific holiday season and a safe and prosperous new year.

Jack R. Congrove

Answer to the bonus question on page 237 of the previous issue: These states are contiguous. You can take a road trip through every one of these seven states without crossing the border of a different state.

#### 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
Half page insertion	\$10
Quarter page insertion	\$5

Please see the Biology Unit website ([www.biophilately.org](http://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 a very mild (at the moment) Ontario while we await the onset of Winter, which at the moment seems a bit late, but I will take all the warmer temperatures that I can get!

The year 1991 was set up to be quite interesting, with the Royal Philatelic Society of Canada show in Montreal in April and the ATA show in Denver in June (one of our favorite places to visit). We drove to Montreal (just a day trip) on Thursday, April 3rd, and met some friends for breakfast on Friday, April 4th, after which Barbara headed off to a local shopping mall and I headed for the dealers.

I was scheduled to give a talk on “Topical Exhibiting” in the afternoon and found that the audience included Vince Lucas and George Guzzio, both of whom were exhibiting, Vince with “Coffee” and George with “Edward, All For Love.” The talk went off quite well and there were numerous questions, which made it more interesting. On Saturday, we found the awards were up and my “The World of Insects” got a vermeil, with gold for Vince (also “Best Topical”) and gold for George with “Best in Show.” At the banquet, which was very good, Barbara sat next to George and talked with him about the Edward VIII, the Monarch who abdicated and was the subject of his exhibit. All in all, it was a most enjoyable show.

The ATA show in Denver was slated for 21–23 June and we worked out that we should leave home on the 15th. Usually, when heading west, we go down to Port Huron and head west across Michigan to pick up Highway 80 and pass south of Chicago. That year however, we went north to Sault Ste. Marie and around the top of Lake Michigan, a much prettier drive. On the west side of Lake Michigan, we saw signs for Green Bay (go Packers!), crossed Wisconsin and the Mississippi River (always impressive) to Albert Lea in Minnesota, where we had stayed before.

Unfortunately, the Constant Reader bookshop was closed. Onward the next day into South Dakota stopping at the visitor centre in Chamberlain on the Missouri. I like to stand on the bluff on the east bank and wonder how the first traveller, settler, or trapper felt on seeing it for the first time. It seems to me to be a barrier between “The West” and what lies to the east.

We stopped in Murdo and on the following day spent some more time in the Badlands and the Black Hills, where we picnicked before going up to “Wind Cave”. The tour was 1½ hours and had 300 steps which Barbara said she could not handle, so we crossed into Wyoming and took Hwy. 85 down to Lusk, a town with one of the widest main streets we had ever seen—probably from the days of cattle drives. We had stayed in Lusk some years before and had a bottle of wine at the nicest restaurant, which cost \$3.60! No such luck on this second occasion.

The following day was June 20th and Barbara’s birthday, for which I had carried presents from our children that she got before breakfast. We packed up and headed for Douglas, passing the village of Hot Springs, which had a sign proudly giving the elevation and the population of 9! We picked up Hwy. 25 towards Denver, which was followed in due course by Cheyenne and in to Colorado and past Fort Collins. We duly arrived at the hotel, which we knew and got a room on the 7th floor. I had to put up my exhibit and then attend the Board Meeting in the evening, which was quite interesting, as always. It was a very good show, with five gold, five vermeil, and several silver awards, mine among them. The usual number of unit meetings were held on Saturday and Sunday and I would say that the show committee in Denver did a great job.

Barbara and I went on yet more travels in the mountains and valleys of the area and returned home on July 6th. Maybe another column will be on what we saw.

Until next time...

*Alan J. Hanks*



## SECRETARY-TREASURER'S CORNER

### ANNUAL DUES NOTICE

The end of another year signals a reminder that your annual membership fee is due. A renewal form is available on the Biology Unit website (<http://www.biophilately.org/membership.html>). You can download a printable form and mail in your payment, or you can pay on-line by PayPal at the same website.

The annual membership fee for print copies of the journal for residents of the US and Canada is US\$20.00. The fee for international members is US\$25.00. If you would like to receive only the electronic version, the fee is a bargain US\$15.00 for everyone.

Please consider adding a donation to help support all of our Unit activities. In the past year, we have helped sponsor the awards dinner at the National Topical Stamp Show and supported the publication of an ATA Handbook.

### NEW MEMBERS

There are no new members to report this quarter. 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.

### BIOLOGY UNIT MEETING

The Biology Unit will hold its annual meeting at the National Topical Stamp Show 2017 at 10:00 AM on Saturday, 24 June 2017. The NTSS will take place at the Crown Plaza Milwaukee Airport Hotel in Milwaukee, Wisconsin from 23–25 June 2017.

Please make plans to attend. These meetings offer a chance to meet other collectors who share an interest in your collecting area.

### VICE PRESIDENCY POSITION

Our former Vice President, Larry Davidson, has resigned due to other commitments. He will continue as a member of the Unit. As a result, we are looking for someone to fill the position of Vice President. The position is not very demanding. Occasionally you will be asked to approve an expenditure or a policy. Once in a while you may be asked to chair an annual meeting at the National Topical Stamp Show. If you are interested in this position (which has minimal duties), or would like to nominate someone else, please contact the Secretary-Treasurer, Chris Dahle ([chris-dahle@biophilately.org](mailto:chris-dahle@biophilately.org)).

## NEWS OF NOTE

### ATA DONATIONS

Almost 70 years ago, an energetic young collector named Jerry Husak launched the American Topical Association from his home in Milwaukee. Over the years, Jerry—who collected Americana, UPU, and Stamps on Stamps—was joined by others from all over the world who were attracted to this popular new collecting interest. Today the ATA has roughly 3000 members making it American philately's largest specialty.

The recent ATA member survey showed a high level of satisfaction with the ATA and its services, but it also pointed out things that it could do better. It is now examining and costing out those suggested improvements.

The ATA has been successful because of the generous support from volunteers. The ATA needs your help to maintain that success. ATA's annual fund-raising goal is based on what it actually needs to supplement income from dues and services. The ATA is within \$10,000 of meeting its goal of \$35,000 for 2016.

If you have not donated this year, or even if you have, please consider giving the Association a boost to reach this goal. Every dollar of member contributions is used to support ATA services and to promote topical collecting. Any contribution no matter how small helps the ATA go Boldly to the Future.

### NTSS 2017

The American Topical Association, our parent organization, will hold its annual National Topical Stamp Show at the Crown Plaza Milwaukee Airport Hotel in Milwaukee, Wisconsin, on 23–25 June 2017.

The show will feature an all-thematic philatelic exhibition and a 30-dealer bourse. Several cachet makers will feature not only topical material, but a wide range of other stamps, covers, and philatelic material. There will be meetings, seminars, activities, and special touring events. Also offered are free parking, youth activities, and "Stamps in Your Attic" evaluations.

The Biology Unit will hold its annual meeting at the show on Saturday morning.

The daily show themes are: Nature (Friday), Culture (Saturday), and Technology (Sunday).

The Crown Plaza is providing a special show rate of \$99 (plus ~15% tax) by calling 414-764-5300 no later than 7 June 2017, and giving the Group Code "NTS."

An exhibit prospectus and entry form are available on the NTSS page of the ATA website at: <http://americantopicalassn.org/ntss/ntss2017.shtml>. The fee for multi-frame exhibits is \$15 per frame. There is no charge for Youth exhibits.

### TOPICAL TIME WINS AWARD

*Topical Time*, the bi-monthly magazine of the American Topical Association, won second place in the 4th CG International Philatelic Promotion Awards on 29 October 2016, at the 34th *Internationale Briefmarken-Börse* in Sindelfingen, Germany.

The jury awarded *Topical Time* a score of 80.2 points, which was exceeded only by a score of 80.5 awarded to *Junge Sammler* (Youth Collector) published by Deutsche Philatelisten Jugend e.V. The award included a trophy, certificate, and cash prize of €1,000 (~\$1,200).

Congratulations to Editor, Wayne Youngblood, and to the ATA for this terrific accomplishment.

The awards are sponsored by Auktionshaus Christoph Gärtner GmbH & Co. KG in Bietigheim-Bissingen, Germany.

## AMERICAN PHILATELIC RESEARCH LIBRARY

The American Philatelic Research Library located at the American Philatelic Center in Bellefonte, Pennsylvania, held its Grand Opening event on 28–29 October 2016. The celebration included a formal dinner on Friday evening at the American Philatelic Center and a ribbon cutting ceremony on Saturday morning.

The event marked the completion of several years of renovation of the historic match factory purchased by the library in 2002, and the relocation of the library from its temporary space at the American Philatelic Society headquarters. The design and construction were accomplished by Pieper O'Brien Herr Architects.

The entire center contains about 100,000 square feet and includes rental space for 11 business tenants.

The new library uses 19,000 square feet for reading and research space and for shelving the world's largest collection of philatelic literature.

The facility includes a gift shop that offers new and used books, gifts, and souvenirs.

The library is open to the public, but only APS members have borrowing privileges.

The stacks on the upper level contain copies of almost every philatelic periodical publication. There are three shelves devoted to past copies of *Biophilately* and its predecessor publications.



APRL Stacks view from upper floor



Section containing copies of the Biology Unit publications



ATA *Topical Time* archive

**THREE MOTHS & A BUTTERFLY**

On 16 October 2016, Belarus Ministry of Communications and Informatization issued a set of four stamps showing species of Lepidoptera. The stamps are labeled “Butterflies,” but only one is a butterfly. The other three are moths. Each stamp was issued in a sheet of five with a label that depicts the larva, or caterpillar, of the species.

The images were produced by artist Alexander Mityanin and the stamps were designed by Marina Vitkovskaya.



The Bobruisk Integrated Printing House printed 75,000 of each stamp on chalk-surfaced paper by offset.

The value A stamp shows a Garden Tiger Moth (*Arctia caja*) paying the domestic rate up to 20g.

The value N stamp shows a Mourning Cloak butterfly (*Nymphalis antiopa*) and pays the surface rate for an international postcard.

The value M stamp shows a Six-Spot Burnet Moth (*Zygaena filipendulae*) paying the air mail rate for an international postcard.

The H value stamp has an Eyed Hawkmoth (*Smerinthus ocellatus*) paying the international letter rate up to 20g.

The four stamps were also issued in a souvenir sheet. Only 20 of these sheets were produced according to the Belpost website. The sheet shows three other butterflies in the right margin. The top image is an unidentified species of Lycaenidae, possibly *Polyommatus*. The middle image is a Peacock (*Nymphalis io*) and the bottom image is a Small Tortoise Shell (*Nymphalis urticae*).

## BUTTERFLY FESTIVALS

### Vladimir Kachan, Belarus

#### Pacific Grove, California

Every October, during their migration to warmer climates, thousands of butterflies make a stop in a Pacific Grove, California eucalyptus grove, the preferred habitat of the Monarch butterfly (*Danaus plexippus*). The butterflies hang in clusters from eucalyptus branches in order to maintain their body temperature, and the resulting effect is stunning.

Visitors come from miles around to take Monarch butterfly tours throughout the sanctuary. The City of Pacific Grove created the butterfly sanctuary to preserve both this Monarch butterfly habitat and the opportunity to view the incredible natural display. The sanctuary is free, and visitors are invited to visit, watch, admire, and take Monarch butterfly photos and videos, so long as they do not touch. Monarchs stay in the Monarch butterfly grove from October until February, when they continue their migration south.

An estimated 25,000 Monarchs “overwinter” in Pacific Grove, known locally as “**Butterfly Town, U.S.A.**” The delicate orange and black creatures need some pretty specific conditions to survive autumn—the climate cannot be too hot and it cannot be too cold. Pacific Grove strikes the balance the Monarchs need to survive and thrive.

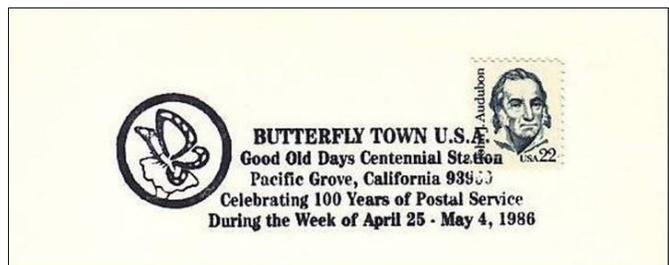
Pacific Grove’s annual Butterfly Parade, a tradition that goes back almost three-quarters of a century, is held on the third Saturday of every October. The Butterfly Parade, as well as the Butterfly Bazaar that follows, celebrates the return of the Monarch butterfly to Pacific Grove, the beautiful insects’ annual wintering stop.



Butterfly Town USA meter



Butterfly Parade slogan cancel



Butterfly Town U.S.A. slogan cancel

This parade, which first took place in 1939, attracts people from both near and far to view the adorable children in their cute costumes. A Butterfly Bazaar follows after the parade. This great event is a historical tradition in the City of Pacific Grove.

#### Mariposa, California

The town of Mariposa, California celebrates its namesake at the town’s Annual Butterfly Festival.

The poetic name *Mariposa*, Spanish for “butterfly,” was first applied in this region by members of the Moraga Expedition, to a small stream at the foot of the Sierra Nevada Mountains. The party had left the Mission San Juan Bautista on 21 September 1806, on an expedition to locate suitable sites for a proposed string of inland missions to parallel those located along the coast.



1858 stampless cover from Mariposa, California

Led by Alfréz Gabriel Moraga, the 25 men crossed the San Joaquin River on September 27th and during that afternoon encountered “myriads of butterflies, of the most gorgeous colors, perched about on surrounding trees.”

Camping that evening not far from the river the chaplain and diarist of the expedition, a Franciscan priest named Father Pedro Muñoz, made this entry for 27 September 1806:

“This place is called the Mariposas because of the great multitudes of these, especially at night and in the morning, could not be more troublesome. Their eagerness to hide from the rays of the sun reaching such proportions that they pursued us everywhere, so much that one got into the ear of one of the expedition leaders, causing him great discomfort and not a little effort to extract it.”

El Arroyo de Las Mariposas was only the beginning. The name would later be given to a thriving mining camp, one of California’s original twenty-seven counties, a lily, a song about a lily, and a sparkling white quartz rock veined in green ore, known as mariposite.

The Mariposa Butterfly Festival is a three day event that takes place in the town of Mariposa. There are many activities that take place throughout the weekend that attract thousands of people to the festival. The highlights are always the butterfly releases over the Mariposa Creek and the parade.

Prior to the annual festival, butterflies are raised in local classrooms to educate children on the life cycle of the butterfly as well as learn about the local butterfly’s habitat and needs. These butterflies are then released at the festival, much to the delight of the children as well as adults.

### Anganguero, Michoacán

In February, Anganguero town in Mexico celebrates its Monarch Butterfly Festival. This festival began in 1992, to promote awareness of the butterfly habitat, take advantage of the ecotourism it offers, and promote the culture and arts of the area. The festival includes events related to food, music, dance, and exhibitions of arts, crafts, and more. This annual one-week long cultural Monarch Butterfly Festival is a very popular time to visit.

The monarch butterfly is noted for its lengthy annual migration. It is the only butterfly species known to make annual north-south migrations like many bird species do. They spend the winter in the forests of pine and oyamel fir (*Abies religiosa*) in central Mexico, along the border of the states of Michoacán and México. These butterflies spend about five months in this area of Mexico, arriving in October and leaving in March.



*Danaus plexippus*  
Mexico, 1988, Sc#1559–62

It is estimated that anywhere from 60 million to a billion butterflies arrive to the central Mexican highlands every winter, mostly assembling in this small area. These butterflies congregate into colonies, clustering onto the pine and oyamel trees. In many cases, they are so thick that the trees turn orange in color and branches sag from their weight. When these butterflies take flight for mating purposes, they can fill the sky and appear like clouds and the beating of their collective wings has been compared to the sound of light rain.

### Yangmingshan, Taiwan

The annual Yangmingshan Butterfly Festival on Taiwan kicks off at the beginning of May in Yangmingshan National Park, giving the public a chance to admire the beauty of the more than 180 species of butterflies that reside in the mountains there during the rainy season, which runs through July. There is also a two-day festival, organized by the Butterfly Conservation Society, held this year in the park on 9–10 June. The military road to Bamboo Mountain, which is normally off-limits to the public, was open for butterfly watching. The Butterfly Corridor—a sheltered 3.2 km path winding through the park—also provides a great location to spot butterflies. Other activities include butterfly photo exhibits, lectures on butterflies, and guided tours.



*Graphium agamemnon*  
Taiwan, 2009, Sc#3872c

**Hampyeong, South Korea**

An estimated 1.3 million people visited the Hampyeong World Butterfly and Insect Expo held in South Korea for 45 days from 18 April to 1 June 2008. During the festival, about 120,000 butterflies were released over flower gardens spread over an area of one million square meters, creating an atmosphere that enabled visitors to relax and mingle with nature.

The nation’s premier nature and environment festival and the world’s first-ever environmental festival themed on butterflies, insects, and nature created a land of fantasy as tens of thousands of butterflies and elegant floral scents captivated visitors.

In 2008, the festival carried a more significant meaning than ever as the 2007 International Congress of Entomology formally recognized the expo as the first event in the world to promote awareness of insects and related studies. This enabled the expo to become a gathering of world-class scholars and experts in this field, who exchanged views and data about insects and their impact on the ecology of the world.

An exhibit of more than 28,000 mounted specimens of butterflies and other insects was prepared at the General Ecology Experience Hall, which housed the Butterfly Ecology Hall, where one could learn all about butterflies.

The first Hampyeong Butterfly festival took place in 1999, offering visitors the opportunity to absorb knowledge on the butterflies of the region. During the annual festival period, the whole town of Hampyeong is a “veritable butterfly town,” covered with butterfly-themed lights and decorations. Hampyeong Butterfly Festival themed with live butterflies and insects is one of the representative festivals in South Korea.

**Cincinnati, Ohio**

The annual International Butterfly Show held in the Krohn Conservatory in Cincinnati, Ohio, features a different theme each year. The theme for 2016 is “Butterflies of the Caribbean.” The 2012 show with the theme, “On Wings of Harmony” took place from 21 April to 24 June 2012.

“On Wings of Harmony” featured thousands of vibrant, colorful butterflies that arrived in Cincinnati from every continent on Earth (with the exception of Antarctica). They flew in free flight throughout the showroom, often fluttering together through the ribs of a 10-foot recycled aluminum globe.

Students enjoyed walking among hundreds of butterflies, most of which were in free flight for the first time in show history. Tropical flowers of all kinds provided food and shelter, as well as an enchanting, multi-colored backdrop for the butterflies fluttering around the Conservatory’s show room. Visitors of all ages also delighted in observing butterfly behavior—flight, feeding, basking, courtship—and experiencing their fascinating life cycle at close range in the “Butterfly Nursery.”



*Papilio xuthus*  
Hampyeong Expo stationery card, South Korea, 2008



Butterfly Nursery (*Idea leuconoe*)

## CAPTIONING ERRORS

Christopher E. Dahle, BU1269

There is a captioning error on the Mozambique Sc#1207 and Sc#1208 Forest Plants stamps issued on 29 December 1993.

It is not clear if the *Equisetum* is supposed to be on the 900m stamp or on the 2000m stamp.

Whichever it is, there is a gross mis-labeling of the two stamps. The stamp image captioned *Encephalartos ferox* is most definitely *Equisetum*, and the image with the *Equisetum* label is most definitely a cycad.

I am not aware that this error has been publicized, and it was not until I bought the set a couple of years ago that I found it. It took me several years of searching before I found a dealer who stocked recent Mozambique stamps.

The Scott New Listings Update in Linn's Stamp News of 9 September 2016 has a ton of listings from the Maldive Islands. Among them are several issues featuring orchids.

The souvenir sheet (Sc#3257) shows a *Paphiopedilum callosum* according to Linn's. But a website that claims to be the "official website of Maldives postage stamps" (<http://maldives.post-stamps.com/category/stamps-issues/>) suggests that it is *P. sukhakulii*.

Both *P. callosum* and *P. sukhakulii* are accepted names, and neither lists the other as a synonym, so one of these must be wrong.

Checking photos on the Internet shows the two species have very similar flowers. Not being an orchid expert, my inclination is that it is *P. callosum*.

However, the souvenir sheet uses the name *Pleurotus ostreatus*, which is a shelf fungus, commonly known as oyster mushroom, and not an orchid at all. So regardless of which orchid it is, the designers have made a labeling error on this souvenir sheet.



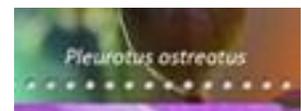
Mozambique, 1993, Sc#1207



Mozambique, 1993, Sc#1208



Maldive Islands, 2014, Sc#3257



**ALEXANDER von HUMBOLDT: THE FIRST ENVIRONMENTALIST**

**Dr. Lyman R. Caswell, Washington**

[Ed. Note: This is the second installment of a four-part article on the life of Alexander von Humboldt. See Vol. 65 (3) for Part 1 of this article. Dr. Caswell is a retired chemistry professor who has an award winning exhibit on von Humboldt. He is a Director in the Society for Hungarian Philately and also a founding director of the Seattle Philatelic Exhibition.]

**The Orinoco Voyage**

On 30 March 1800, Humboldt and Bonpland embarked on their voyage up the Orinoco River in a large pirogue (Fig. 14), accompanied by “Don Carlos del Pino” and four native oarsmen. The travelers received the hospitality of the various missions along the Orinoco (Fig. 15).

When there was no mission at the evening stopping time, they camped, preferably on an island, if one was available. Camping on the shore was hazardous because of the local wild life. Twice they had narrow escapes from jaguars.

Along the way, Humboldt collected herbarium specimens, measured latitude and longitude and altitude at each stop, and recorded observations of the weather, the animals and plants (Fig. 16a, 16b, 16c), and the natives (Fig. 17).

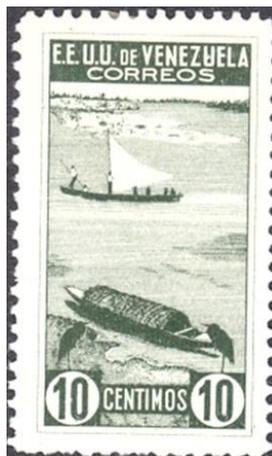


Fig. 14. Pirogue Venezuela, 1937, Sc#312



Fig. 15. Orinoco Missions Spain, 1968, Sc#1547



Fig. 16a. Native Animals Venezuela, 1963, Sc#827/831/C824/C825



Fig. 16b. Aloe Venezuela, 1982, Sc#1267



Fig. 16c. Pink Princess Venezuela, 1970, Sc#964



Fig. 17. Native Aborigines Venezuela, 1996, Sc#1541

On 6 April, Humboldt observed the annual harvest of turtle eggs at the Beach of Eggs on Turtle Mouth Island in the Orinoco. Since some of the turtles have now become endangered species, this harvest is not permitted today (Fig.18). Three days later they visited the camp of the egg-collecting Indians at Pararuma Beach.

A missionary, Father Bernardo Zea, joined the expedition. In order to accommodate the additional passenger and the increasing number of samples and specimens, the travelers obtained a larger pirogue, 40 feet long and three feet wide, and sold their previous craft.

Humboldt observed the processing of rubber-tree sap at the San Baltasar mission.

On the first of May, the travelers came to the point where the Orinoco splits into two rivers. Humboldt showed that the minor branch, the Río Casiquiare, flows into the Río Negro, which is a tributary of the Amazon. They followed the Río Negro as far as the border with Brazil. They did not cross the border. The Portuguese authorities in Brazil had ordered that Humboldt be arrested as a spy if he crossed the border.

During this side journey down the Río Casiquiare, Humboldt observed toucans at the Marca mission. At the island mission Dapa they ate “ant cakes” prepared by the local Indians.

At the border Fort of San Carlos on the Río Negro, they observed passing Portuguese boats with shipments of indigo, and of rice, from Brazil.

The travelers returned to the upper Orinoco. On 20 May, they came to Esmeralda, the last mission up the river. At Esmeralda, Humboldt was impressed with the custom of the Indians to hunt fish with bow and arrow (Fig. 19). He observed the preparation and use of the arrow poison curare, which the natives used on their arrow tips to paralyze animals.

Humboldt’s measurements of latitude and longitude at the stops along the Orinoco showed him that the maps of the river were not accurate. He redrew the map of the Orinoco on the basis of his measurements.

After three days, the travelers left Esmeralda for the return trip down the Orinoco. When they arrived at Angostura (now Ciudad Bolívar) on 13 June, Bonpland was ill with a fever. He recovered at a local home, and the travelers left the Orinoco on 11 July. They traveled overland by horseback to Cumaná, with the intent of sailing to Cuba, but the port was blockaded by the English. On 24 November, accompanied by Father Juan González, they found passage to Cuba on an American schooner carrying a cargo of jerked beef.

### First Visit to Cuba

Humboldt, Bonpland, and Father González arrived at Havana on 19 December 1800. Humboldt entrusted to Father González, who was going on to Spain, part of his collection of specimens, and letters describing his travels. Father González and the specimens were lost at sea.

The travelers were received in Havana by the Captain-General of Cuba, Luis de las Casas and by Bishop Luis María Peñalver. The Captain-General and the Bishop were the founders of the Economic Society of Friends of the Country, the first technological society in Cuba (Fig. 20).



Fig. 18. Turtles (Nature Protection)  
Venezuela, 1992, Sc#1471



Fig. 19. Bow & Arrow Fishing  
Venezuela, 1996, Sc#1541h



Fig. 20. de las Casas & Peñalver  
Cuba, 1945, Sc#395

In Havana, Humboldt received funds and letters from his brother Wilhelm that had been held for him by Ignacio O’Farril, brother of the Spanish ambassador to Prussia. He met Tomás Romay, “the initiator of the scientific movement in Cuba,” who was the first physician to administer smallpox vaccination in Cuba (Fig. 21).



Fig. 21. Tomás Romay  
Cuba, 1964, Sc#929

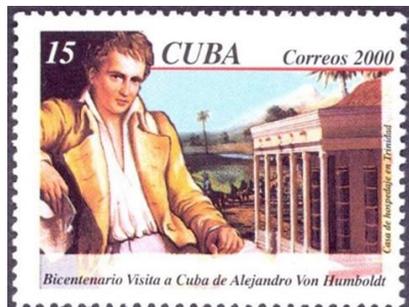


Fig. 22. von Humboldt in Trinidad  
Cuba, 2000, Sc#4118

The travelers spent Christmas 1800 and New Year’s 1801 in Havana.

During January and February 1801, the travelers explored the island of Cuba, coming finally to the port city of Trinidad on 14 March (Fig. 22).

On the next day they took a ship to South America. The passage was difficult and stormy, and they were at first prevented from coming to port at Cartagena by contrary winds. While waiting for the wind to change, on the night of 29 March, they observed a total eclipse of the moon.

**Colombia**

On the next day, Humboldt and Bonpland disembarked at Cartagena, in the Viceroyalty of New Granada (now Colombia).

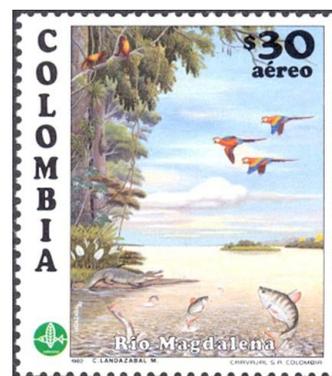


Fig. 23. Magdalena River  
Colombia, 1982, Sc#C730



*Choloepus didactylus*



Fig. 24a.  
von Humboldt  
Colombia, 1960, Sc#713–15



*Ateles* sp.

After arranging for transportation, on 6 April they departed Cartagena, and traveled up the Magdalena River (Fig. 23) to the head of navigation at Honda. They made the usual collections of plants and rocks, and observed animals of the viceroyalty (Fig. 24a and 24b).



*Myrmecophaga tridactyla*



Fig. 24b.  
*Scarus rubroviolaceus*  
Colombia, 1960, Sc#C357–59



*Dasypus* sp.

Along the way, Bonpland became ill with malaria.

On 7 July 1801, the travelers arrived in Bogotá. There they met with José Celestino Mutis, the Director of the Royal Botanical Expedition in New Granada (Fig. 25). Humboldt studied Mutis’s herbarium, and exchanged specimens

with him. Mutis treated Bonpland's malaria with an extract of cinchona bark, from which quinine is derived (Fig. 26). Mutis showed Humboldt how to identify the quinine tree (*Cinchona officinalis*) and how to prepare the bark to treat malaria.

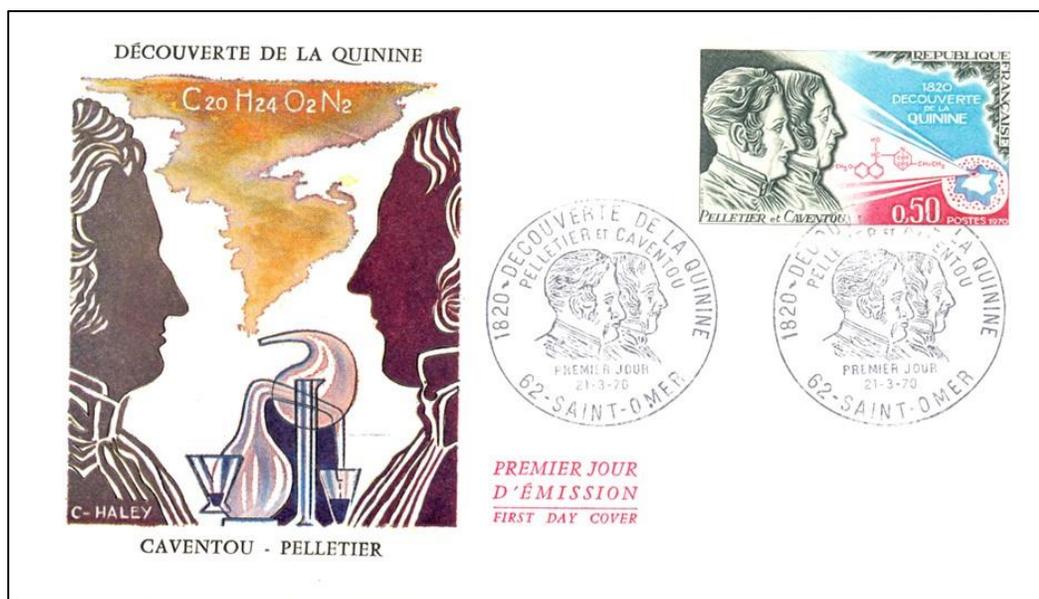


Fig. 26. Identification of Quinine 150th Anniversary First Day Cover  
France, 1970, Sc#1268



Fig. 25. Mutis  
Spain, 1993, Sc#2748

While Bonpland recovered from his illness, Humboldt explored the area around Bogotá. In August, he measured the height, 433 feet, of the Tequendama Falls of the Bogotá River (Fig. 27).



Fig. 27. Tequendama Falls  
Colombia, 1937, Sc#444

He visited the great salt mine of Zipaquira, now converted to a subterranean cathedral.

Humboldt and Bonpland left Bogotá on 8 September, and traveled south through the Andes. They passed through Cali and Popayán. In the vicinity of Popayán, they explored volcanic deposits and fumaroles near the village of Puracé, and described the Puracé Indians (Fig. 28).

They spent Christmas at Pasto, and climbed the Galeras Volcano, 14,029 feet, (Fig. 29) near Pasto.



Fig. 28. Puracé Indians  
Colombia, 1976, Sc#841



Fig. 29. Galeras Volcano  
Colombia, 1954, Sc#C244

[to be continued in the next edition]

## AN ASSOCIATION OF TOADS AND TOADSTOOLS ON STAMPS

Dr. Vic Eichler, BU1850

There has been a long association of toads with mushrooms in medieval as well as contemporary art, literature, and folklore. The term “toadstool” is literally a mushroom upon which a toad can sit. In fairy tales, toadstools were often associated with little gnomes of the forest, as well as frogs and toads.

The mushrooms most often pictured with toads are a poisonous species with the classic umbrella cap and long stem, such as the Fly Agaric (*Amanita muscaria*). These have a bright red cap with white spots, and emit an odor that actively attracts flies. Hence, toads are attracted to the mushroom to eat the flies.

A souvenir sheet from Singapore (with detail) honoring the story of Thumbelina by Hans Christian Andersen depicts the typical appearance of the “toadstools” with red with white spots with one stamp showing a toad.



Thumbelina fairy tale by H.C. Andersen souvenir sheet  
Singapore, 2005, Sc#1136



Toad with Thumbelina  
Singapore, 2005, Sc#1136a

A set of three New Zealand se tenant (side-by-side) stamps includes the presence of a frog or toad in the center stamp along with the typical “toadstools” form of mushrooms.

The association of toads and mushrooms—especially those called toadstools—have an interesting history.

Between the years 1400 and 1600 AD, the terms *tadstoles*, *frogstooles*, *frogge stoles*, *tadstooles*, *tode stoles*, *toodys hatte*, *paddockstool*, *puddockstool*, *paddockstol*, *toadstoole*, and *paddockstooles* were used synonymously with the words *mushrom*, *mushrum*, *muscheron*, *mousheroms*, *mussheron*, or *musserouns*.<sup>1</sup>

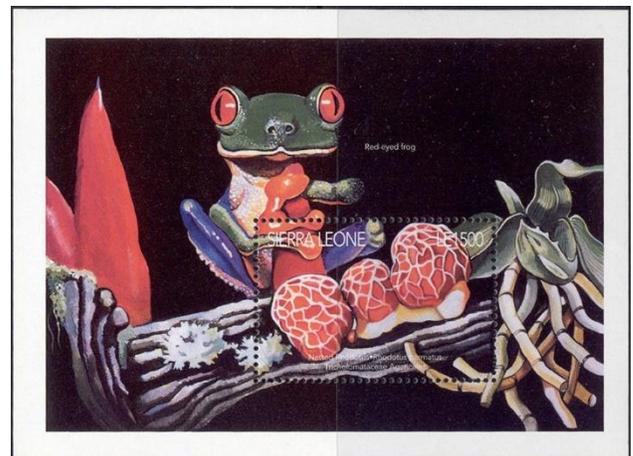
Analogies in other languages include the Chinese *hama chun* (toad-mushroom), Dutch *paddenstoel* (toadstool/chair), French *crapaulin* (of the toad), and German *Krötenschwamm* (toad-fungus). The German word *Todesstuhl* literally means “death’s chair,” which might refer again to the deadly Fly Agaric mushroom, which is often fatal if eaten by sensitive individuals.

The Red-eyed Tree Frog (*Agalychnis callidryas*) in the margin of this Sierra Leone souvenir sheet visits a group of red and white Netted Rhodotus mushrooms (*Rhodotus palmatus*).

*Agalychnis callidryas*  
Sierra Leone, 1996, Sc#1902

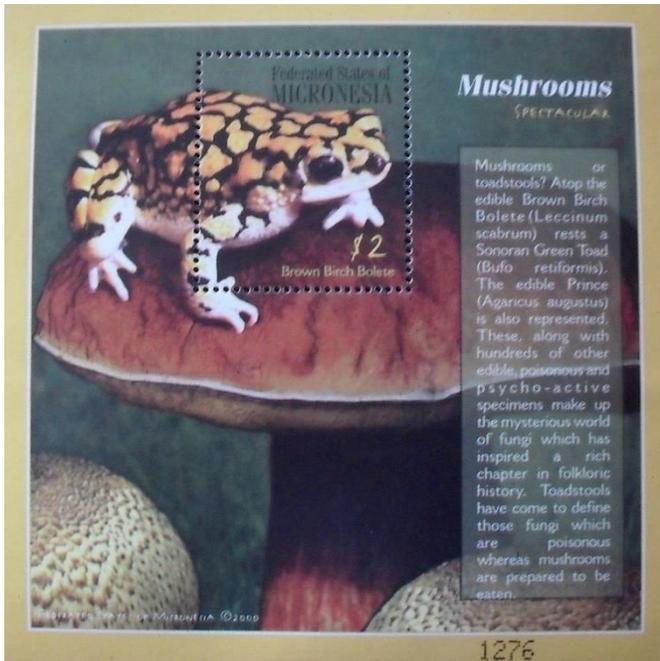


Stylized Toad  
New Zealand, 1977, Sc#B100a

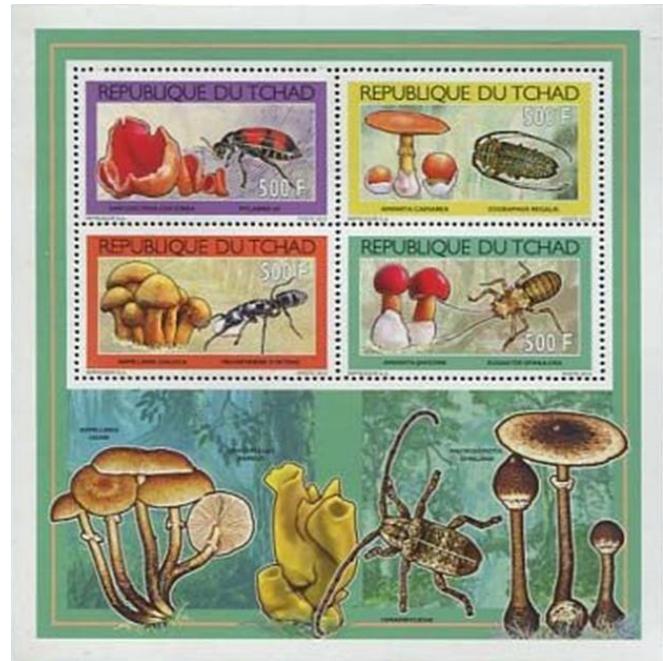


<sup>1</sup> Ramsbottom J. (1954). *Mushrooms & Toadstools: a Study of the Activities of Fungi*. Collins, London

Generally toadstools are most often considered to be fungi that are not edible, but that is not always the case. In this souvenir sheet from Micronesia (below), a Sonoran Green Toad (*Bufo retiformis*) sits on a Brown Birch Bolete mushroom (*Leccinum scabrum*) with two Prince mushrooms (*Agaricus augustus*) partially shown at bottom. Each mushroom depicted here is edible.



*Bufo retiformis*  
Micronesia, 2000, Sc#384



Insects & Mushrooms  
Chad, 2012, n/a

It has been suggested that the reason toads (and perhaps frogs) gather around some mushrooms is due to an odor that attracts insects. This is true for the common toadstool *Amanita muscaria*. Of course, frogs and toads would be attracted to flying insects wherever they are found. The miniature sheet of stamps from Chad (above) shows a variety of insects attracted to many different mushroom species.

The country of Angola celebrated a variety of native mushrooms with a familiar amphibian taking notice from the margin of this miniature sheet.



Mushrooms with amphibian  
Angola, 1999, Sc#1102

The Caribbean island of Nevis associates these two small Strawberry Poison-dart Frogs (*Dendrobates pumilio*) with some equally small Scarlet Elf Cup fungi (*Sarcoscypha coccinea*) in the selvage of this miniature sheet. A similar arrangement is seen on a souvenir sheet from the Grenadines of St. Vincent.



*Dendrobates pumilio* (margin)  
Nevis, 2005, Sc#1421



*Dendrobates pumilio* (margin)  
St. Vincent Grenadines, 1992, Sc#879

A Biodiversity stamp series from Nepal shows a postal set with a frog and mushroom stamp adjacent on the sheet.



*Amolops formosus*  
Nepal, 2006, Sc#774C

*Russula kathmanduensis*  
Nepal, 2006, Sc#774D

And in a fanciful stamp from Poland a frog, a gnome, and some mushrooms are seen.

There are many illustrations of frogs associated with mushrooms, although not the typical toadstool form, on the margins of sheets of stamps.



Fairy tale scene  
Poland, 1962, Sc#1107

Two labels form part of the selvage of a Czech Republic sheet that emphasizes diversity of the biosphere (left) and a Belarus sheet of mushroom stamps that pairs a frog with mushrooms (right).

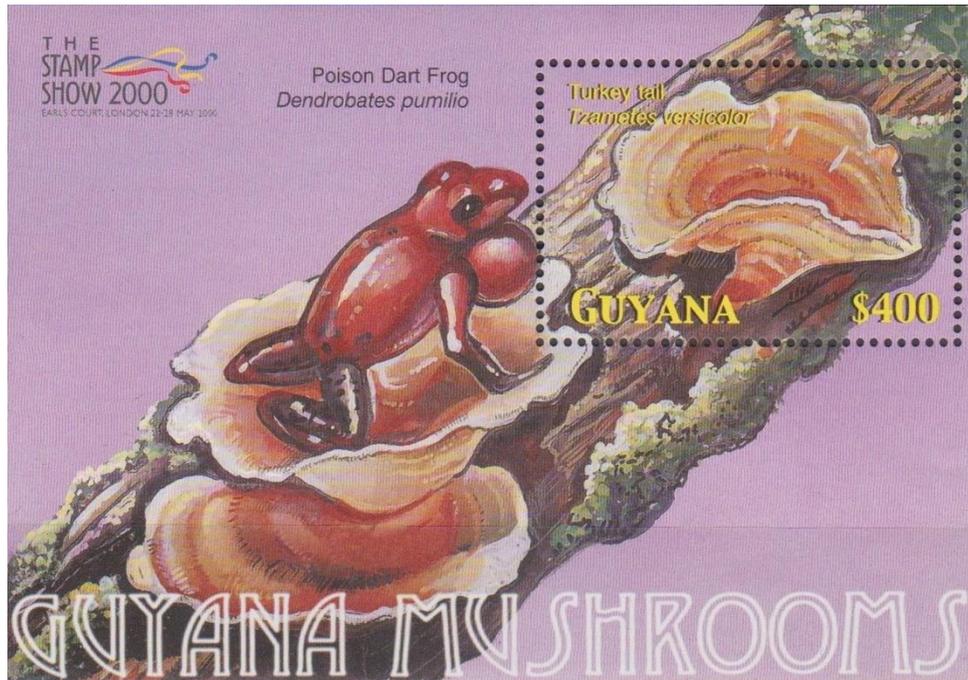


*Rana dalmatina*  
Czech Rep, 2009, Sc#3426

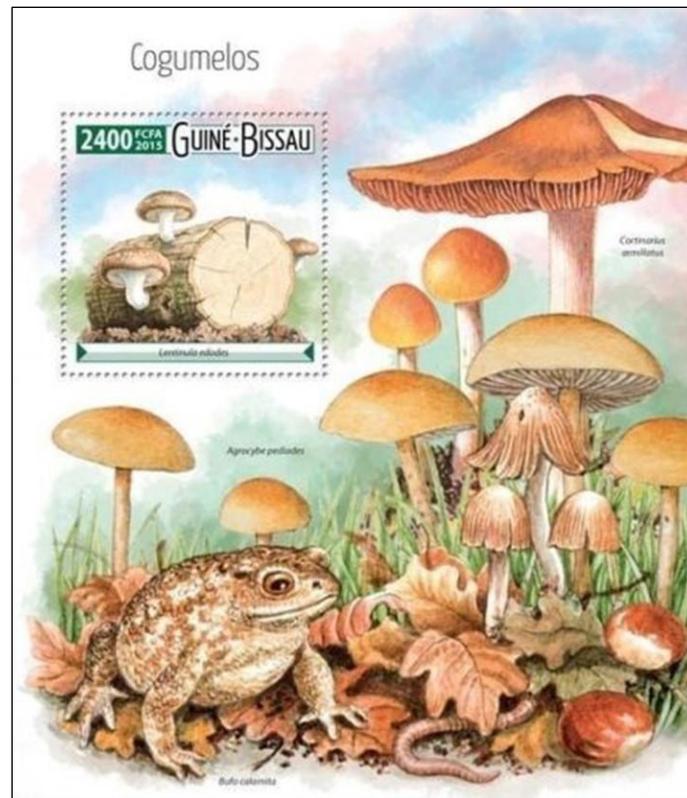


*Rana temporaria*  
Belarus, 2013, Sc#877a

Frogs are paired with mushrooms in the margins of two souvenir sheets from Guyana and Guinea Bissau.



*Dendrobates pumilio* (margin)  
Guyana, 2000, Sc#3522



*Bufo calamita* (margin)  
Guinea-Bissau, 2015, Mi#8048



# BOTANY

Editor

Christopher E. Dahle, BU1269



## New Listings

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
<b>ARMENIA</b>				
<b>2015 December 24</b> (Forget-me-not type of 2015: 9th definitive series)				
1048	40d	Forget-me-not, <i>Myosotis sylvatica</i>	Boraginaceae	Fl A
1049	50d	Forget-me-not, <i>Myosotis sylvatica</i>	Boraginaceae	Fl A
1050	60d	Forget-me-not, <i>Myosotis sylvatica</i>	Boraginaceae	Fl A
<b>2015 December 28</b> (75th anniv. Yerevan Botanical Garden & Zoo)				
1055	280d	<i>Sorbus hajastana</i>	Rosaceae	Fl Fr A
<b>2015, December 30</b> (Operation Nemesis)				
1058	360d	Forget-me-not, <i>Myosotis sylvatica</i>	Boraginaceae	Fl B
<b>ARUBA</b>				
<b>2016 May 31</b> (Medicinal Plants) (Set/5)				
492	100c	Aloe, <i>Aloe vera</i>	Xanthorrhoeaceae	V A
493	130c	Ben Oil Tree, <i>Moringa oleifera</i>	Moringaceae	V A
494	220c	Bellyache Bush, <i>Jatropha gossypifolia</i>	Euphorbiaceae	V A
495	250c	Bushy Lippia, <i>Lippia alba</i>	Verbenaceae	V A
496	320c	Yellow Balsam, <i>Croton flavens</i>	Euphorbiaceae	V A
<b>AUSTRALIA</b>				
<b>2015 December 15</b> (Wildflowers) (Set/4) (perf 14¾×14)				
4398	\$1	Rose Coneflower, <i>Isopogon formosus</i>	Proteaceae	Fl A
4399	\$1	Spiny Mirabelia, <i>Mirbelia spinosa</i>	Fabaceae	Fl A
4400	\$1	Blue Devil, <i>Eryngium pinnatifidum</i>	Apiaceae	Fl A
4401	\$2	Golden Rainbow, <i>Drosera microphylla</i>	Droseraceae	Fl A
<b>2015 December 15</b> (Wildflowers) (Set/3) (die cut 11¼)				
4402	\$1	Rose Coneflower, <i>Isopogon formosus</i>	Proteaceae	Fl A
4403	\$1	Spiny Mirabelia, <i>Mirbelia spinosa</i>	Fabaceae	Fl A
4404	\$1	Blue Devil, <i>Eryngium pinnatifidum</i>	Apiaceae	Fl A
4404a		Vert Coil Strip/3 (Sc#4402-04)		
4404b		Bklt/10 (4ea Sc#4402 & 3ea Sc#4403-04)		
4404c		Bklt/20 (8ea Sc#4402, 5ea Sc#4403, 7ea Sc#4404)		
<b>2016 January 25</b> (Greetings) (Set/10) (perf 14¾×14)				
4424	\$1	White Roses, <i>Rosa x hybrida</i>	Rosaceae	Fl A
4426	\$1	Heart of Red Roses, <i>Rosa x hybrida</i>	Rosaceae	Fl A
4431	\$1	Flowering Gum, <i>Corymbia ficifolia</i>	Myrtaceae	Fl A
4432	\$1	Wattle, <i>Acacia pycnantha</i>	Fabaceae	Fl A
<b>2016 January 25</b> (Greetings) (Set/7) (die cut 11¼)				
4434	\$1	White roses, <i>Rosa x hybrida</i>	Rosaceae	Fl A
4436	\$1	Heart of red roses, <i>Rosa x hybrida</i>	Rosaceae	Fl A
<b>2016 June 7</b> (Early 20th Cent. Fruit Crate Labels) (4ea Bklt/4 & Bklt/10)				
4491	\$1	Apples, <i>Malus x domestica</i>	Rosaceae	Fr B
4491a		Bklt/4 (Sc#4491) (perf 14×14¾)		

**AUSTRALIA** (continued)

4492	\$1	Oranges, <i>Citrus sinensis</i>	Rutaceae	Fr B
4492a		Bklt/4 (Sc#4492) (perf 14×14¾)		
4493	\$1	Apples, <i>Malus x domestica</i>	Rosaceae	Fr B
4493a		Bklt/4 (Sc#4493) (perf 14×14¾)		
4494	\$1	Grapes, <i>Vitis vinifera</i>	Vitaceae	Fr B
4494a		Bklt/4 (Sc#4494) (perf 14×14¾)		
4495	\$1	Apples, <i>Malus x domestica</i>	Rosaceae	Fr B
4496	\$1	Oranges, <i>Citrus sinensis</i>	Rutaceae	Fr B
4497	\$1	Apples, <i>Malus x domestica</i>	Rosaceae	Fr B
4498	\$1	Grapes, <i>Vitis vinifera</i>	Vitaceae	Fr B
4498a		Horiz Coil Strip/4 (Sc#4495–98) (die cut 11¼)		
4498b		Bklt/10 (3ea Sc#4496–97 & 2ea Sc#4497–98)		

**AUSTRIA** **2016 July 16** (Mittelburgenland Wine Region)

2625	80c	Grapes, <i>Vitis vinifera</i>	Vitaceae	Fr B
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**2016 September 22** (Thank You)

2628	(68c)	Gerbera Daisy, <i>Gerbera x hybrida</i>	Asteraceae	Fl B
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**BAHRAIN** **2015 February 26** (50th anniv. Bahrain Garden Club) (MS/15)

724		Photos of old and new scenes		R
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**BELARUS** **2016 January 28** (Orchids) (Set/4)

970	(3800r)	<i>Sarcochilus</i> sp.	Orchidaceae	Fl A
971	(9300r)	<i>Zygopetalum maculatum</i>	Orchidaceae	Fl A
972	(11700r)	<i>Dendrobium unicum</i>	Orchidaceae	Fl A
973	(12600r)	<i>Bulbophyllum ornatissimum</i>	Orchidaceae	Fl A
973a		SS/4 (Sc#970–73)		

**BELGIUM** **2016 June 13** (Birds & Flowers of Zwin Nature Park) (MS/10)

2793f	(74c)	Glasswort, <i>Salicornia pusilla</i>	Amaranthaceae	Fl A MS
2793g	(74c)	Media Sandspurry, Greater Sea-spurrey, <i>Spergularia media</i>	Caryophyllaceae	Fl A MS
2793h	(74c)	Mediterranean Sea Lavender, <i>Limonium vulgare</i>	Plumbaginaceae	Fl A MS
2793i	(74c)	Sea Milkwort, Black Saltwort, <i>Lysimachia (=Glaux) maritima</i>	Primulaceae	Fl A MS
2793j	(74c)	Pedunculate Sea-purslane, <i>Atriplex pedunculata</i>	Amaranthaceae	Fl A MS

**BHUTAN** **2014 November 14** (25th anniv. Relations with Thailand)(MS/6 & SS/1)

1501a	20nu	Blue Poppy, <i>Meconopsis grandis</i>	Papaveraceae	Fl A MS
1501d	20nu	Golden Rain Tree, <i>Cassia fistula</i>	Fabaceae	Fl A MS

**BOSNIA & HERZEGOVINA** **2016 May 25** (Plant)

763	1m	<i>Halacsya sendtneri</i>	Boraginaceae	Fl A
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**BOSNIA & HERZEGOVINA (Croat)** **2016 May 22** (Cherries) (SS/1)

333	5m	Cornelian Cherries, <i>Cornus mas</i>	Cornaceae	Fr A SS
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**BOSNIA & HERZZEGOVINA (Serb)** **2016 April 6** (Forest Fruit Definitive) (Set/2)

539	90pf	Sloe, Blackthorn, <i>Prunus spinosa</i>	Rosaceae	Fr A
540	1.10m	Blackberry, <i>Rubus fruticosus</i>	Rosaceae	Fr A

**2016 May 16** (Nature Protection) (Pair)

544b	1.70m	<i>Helichrysum arenarium</i>	Asteraceae	Fl A
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**BULGARIA** **2015 November 6** (Mountain Flowers) (Set/4 & SS/4)

4742	10s	<i>Viola rhodopeia</i>	Violaceae	Fl A
4743	50s	<i>Veronica kellereri</i>	Plantaginaceae	Fl A
4744	65s	Alpine Poppy, Dwarf Poppy, <i>Papaver alpinum (=degenii)</i>	Papaveraceae	Fl A

**BULGARIA** (continued)

4745	11	Autumn Crocus, <i>Colchicum autumnale</i> (=borisii)	Colchicaceae	Fl A
4745a		Sheet with #4742-45 for National Philatelic Exhibition, Veliko Turnovo		Fl A SS

**CAPE VERDE****2015 June 23** (70th anniv. Food & Agriculture Org.) (Set/3+labels)

1008	60e	Seeds & Peas, <i>Pisum sativum</i>	Fabaceae	Fr A
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**CHINA (Taiwan)****2016 January 28** (Fruit) (Set/4)

4280	\$1	Atemoyas, Pineapple Sugar Apple, <i>Annona x atemoya</i>	Annonaceae	Fr A
4281	\$2.50	Papayas, <i>Carica papaya</i>	Caricaceae	Fr A
4282	\$5	Lychees, <i>Litchi chinensis</i>	Sapindaceae	Fr A
4283	\$15	Dates, <i>Phoenix dactylifera</i>	Arecaceae	Fr A

**2016 March 29** (Paintings by Giuseppe Castiglione) (Set/8)

4289	\$5	Tree Peonies, <i>Paeonia suffruticosa</i>	Paeoniaceae	Fl A
4290	\$5	Peach blossoms, <i>Prunus persica</i>	Rosaceae	Fl A
4291	\$7	Herbaceous Peonies, <i>Paeonia officinalis</i>	Paeoniaceae	Fl A
4292	\$9	Flowering Crab, <i>Malus</i> sp. Magnolia Blossoms, <i>Magnolia</i> sp.	Rosaceae Magnoliaceae	Fl A Fl A
4293	\$10	Corn Poppies, <i>Papaver rhoeas</i> Fringed Iris, <i>Iris japonica</i>	Papaveraceae Iridaceae	Fl A Fl A
4294	\$10	Yellow Prickly Roses, <i>Rosa</i> sp. Peonies, <i>Paeonia officinalis</i>	Rosaceae Paeoniaceae	Fl A Fl A
4295	\$12	Carnations, <i>Dianthus caryophyllus</i>	Caryophyllaceae	Fl A
4296	\$12	Cherries, <i>Prunus</i> sp. (with Grosbeaks)	Rosaceae	Fl A

**CHINA (People's Republic)****2015 October 1** (60th anniv. Xianjiang Construction Corp.) (Set/3)

4324b	\$1.20	<i>Oryza sativa</i> (agricultural products, city skyline, airplane) <i>Vitis vinifera</i>	Poaceae Vitaceae	Fr B Fr B
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**2016 March 16** (Paintings by Liu Haisu 1896-1994) (Set/3)

4343	\$1.20	Lotus, <i>Nelumbo nucifera</i>	Nelumbonaceae	Fl A
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**COLOMBIA****2015 December 14** (Departments of Colombia-Risaralda) (MS/12)

1430g	100p	<i>Magnolia wolfii</i>	Magnoliaceae	Fl A MS
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**CURAÇAO****2015 July 15** (World War I Centenary) (MS/4)

237		Poppies, <i>Papaver rhoeas</i> (on each stamp & on margin)	Papaveraceae	Fl A MS Z
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**2015 August 14** (Singapore 2015 World Stamp Exhibition) (MS/4)

244b	400c	Orchid	Orchidaceae	Fl A MS
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**DENMARK****2016 June 23** (Danish Porcelain) (Set/5)

1755	8k	Poppy, <i>Papaver rhoeas</i> (Flora Danica design, 1790)	Papaveraceae	Fl A
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**FIJI****2015 October 21** (Plants with Remedies in Fiji) (Set/5)

1337	40c	Beach Cabbage, Sea Lettuce, <i>Scaevola taccada</i> (=sericea)	Goodeniaceae	Fl A
1338	65c	Beach Pea, Nanea, Notched Cowpea, <i>Vigna marina</i>	Fabaceae	Fl A
1339	90c	Coast Morning Glory, <i>Ipomoea pes-caprae</i> subsp. <i>brasiliensis</i>	Convolvulaceae	Fl A
1340	\$1.20	Glory Bower, <i>Volkameria inermis</i> (=Clerodendrum inerme)	Lamiaceae	Fl A
1341	\$5	Noni, Beach Mulberry, Cheese Fruit, <i>Morinda citrifolia</i>	Rubiaceae	Fl A

**FINLAND****2015 November 6** (Vegetables) (Strip/3+etiquettes)

1499	(€1.10)	Tomatoes, <i>Lycopersicon esculentum</i>	Solanaceae	Fr A
1500	(€1.10)	Basil, <i>Ocimum basilicum</i>	Lamiaceae	V A
1501	(€1.10)	Peppers, <i>Capsicum frutescens</i>	Solanaceae	Fr A
1501a		Vert Strip/3 (Sc#1499-1501)		

<b>FINLAND</b> (continued)		<b>2016 February 26</b> (Flower)			
1510	(€1.20)	Siberian iris, <i>Iris sibirica</i>	Iridaceae	Fl	A
		<b>2016 February 26</b> (Horiz Pair) (s/a)			
1512	(€1.30)	Birch tree trunk and leaves, <i>Betula pendula</i>	Betulaceae	V	A
1512a		Horiz Pair+etiquettes (Sc#1511–12)			
		<b>2016 September 9</b> (People Enjoying Nature) Bklt/6+6 etiquettes)			
1521a	(€1.20)	Flower picking, <i>Campanula</i> sp.	Campanulaceae	Fl	B
<b>FINLAND (Åland)</b>		<b>2016 August 12</b>			
386	(€1.30)	Apple & blossom, <i>Malus domestica</i>	Rosaceae	Fl	Fr A
<b>FRANCE</b>		<b>2015 November 20</b> (50th anniv. National Forestry Office)			
4918	68c	U/I trees		T	B U
		<b>2015 November 24</b> (COP21 Climate Conference)			
4919	(€1.20)	U/I seedling		V	A U
<b>FRENCH POLYNESIA</b>		<b>2016 June 17</b> (Sandalwood Scented Stamp)			
1170	100fr	Sandalwood flowers, fruit, and wood, <i>Santalum</i> sp.	Santalaceae	Fl	Fr V A
<b>GERMANY</b>		<b>2016</b> (Flower Type of 2005)			
2882	250c	Alpine Thistle (Alpendistel), <i>Lactuca alpina</i>	Asteraceae	Fl	A
2883	260c	Madonna Lily (Madonnenlilie), <i>Lilium candidum</i>	Liliaceae	Fl	A
		<b>2016 May 2</b> (Greetings) (Set/3 & Bklt/10)			
2919	70c	Tulips, <i>Tulipa x hybrida</i> (perf 13½x13¾)	Liliaceae	Fl	B
		Roses, <i>Rosa x hybrida</i>	Rosaceae	Fl	B
		Lilies, <i>Lilium candidum</i>	Liliaceae	Fl	B
2921	70c	Same species (die cut 9¾) (s/a)		Fl	B
2921a		Bklt/10 (5ea Sc#2920–21) (die cut 9¾) (s/a)			
<b>GUYANA</b>		<b>1989</b> (Surcharges)			
2045B	80c	Golden Trumpet, <i>Allamanda cathartica</i> (Sc#134 surch blk)	Apocynaceae	Fl	A
2045C	80c	<i>Heliconia collinsiana</i> (Sc#135 surch blk)	Heliconiaceae	Fl	A
<b>ICELAND</b>		<b>2016 April 28</b> (SEPAC: The Seasons – Spring, Autumn) (Set/4)			
1405	(137k)	Tulip, <i>Tulipa</i> sp. (with U/I flowers) (Spring)	Liliaceae	Fl	A
1408	(985k)	U/I leaves (Autumn)		V	A
<b>ITALY</b>		<b>2015 April 10</b> (Tourism Posters) (Set/5) (s/a)			
3295	80c	Stylized flowers: Daisy, Gentian, Rose		Fl	A S
		<b>2015 October 10</b> (Regional grapes & Vineyards Type of 2012) (MS/15)			
3337	95c	Grapes, <i>Vitis vinifera</i>	Vitaceae	Fr	A
<b>KAZAKHSTAN</b>		<b>2016 April 8</b> (Aksu-Zhabagly Nature Reserve) (SS/3)			
767a	200te	<i>Tulipa greigii</i>	Liliaceae	Fl	A SS
<b>LIECHTENSTEIN</b>		<b>2016 June 6</b> (Pear Varieties) (MS/8)			
1690a	100p	Herbstängler, <i>Pyrus communis</i>	Rosaceae	Fr	A MS
1690b	100p	Kugeläugstler, <i>Pyrus communis</i>	Rosaceae	Fr	A MS
1690c	100p	Hermannsbirne, <i>Pyrus communis</i>	Rosaceae	Fr	A MS
1690d	100p	Rote Holzbirne, <i>Pyrus communis</i>	Rosaceae	Fr	A MS
1690e	100p	Sulse Längler, <i>Pyrus communis</i>	Rosaceae	Fr	A MS
1690f	100p	Sülibirne, <i>Pyrus communis</i>	Rosaceae	Fr	A MS
1690g	100p	Wolfsbirne, <i>Pyrus communis</i>	Rosaceae	Fr	A MS
1690h	100p	Tollbirne, <i>Pyrus communis</i>	Rosaceae	Fr	A MS

<b>LITHUANIA</b>		<b>2016 July 9</b> (Cucumbers & Honey)		
1080	39c	Cucumbers, <i>Cucumis sativus</i>	Cucurbitaceae	Fr B
<b>MALDIVE ISLANDS</b>		<b>2014 May 7</b> (Painting by He Xiangning) (MS/4)		
3162	22r	Maple branch, <i>Acer</i> sp.	Sapindaceae	V A
		<b>2014 May 7</b> (Paintings by Henri Matisse) (MS/4 & SS/1)		
3170a	22r	“Still Life with Apples on a Pink Tablecloth,” <i>Malus x domestica</i>	Rosaceae	Fr B MS
3170b	22r	“Dishes and Fruit”		Fr B U MS
3179	SS 70r	“Lemons and Saxifrages,” <i>Citrus limon</i>	Rutaceae	Fl A SS
		Rockfoil, <i>Saxifraga</i> sp.	Saxifragaceae	Fl A SS
		<b>2014 October 14</b> (Orchids) (MS/4 & SS/1)		
3247a	22r	Taiwan Queen Orchid, <i>xBrassolaeliocattleya</i> ‘Taiwan Queen’	Orchidaceae	Fl A MS
3247b	22r	<i>Paphiopedilum</i> cultivar	Orchidaceae	Fl A MS
3247c	22r	<i>Encyclia</i> cultivar	Orchidaceae	Fl A MS
3247d	22r	<i>Phalaenopsis</i> cultivar	Orchidaceae	Fl A MS
3257	SS 70r	<i>Paphiopedilum callosum</i>	Orchidaceae	Fl A SS
Margin	LR:	<i>Bletilla striata</i>	Orchidaceae	Fl Z SS
		<b>2014 December 15</b> (Pigeons & Fruit) (MS/4 & SS/1)		
3262a	22r	Mango, <i>Mangifera indica</i>	Anacardiaceae	Fr B MS
3262b	22r	Coconut, <i>Cocos nucifera</i>	Arecaceae	Fl B MS
3262c	22r	Passion fruit, <i>Passiflora edulis</i>	Passifloraceae	Fl B MS
3262d	22r	Banana, <i>Musa acuminata</i>	Musaceae	Fl B MS
3273	SS 70r	Papaya, <i>Carica papaya</i>	Caricaceae	Fl B SS
Margin	LL:	Lemon, <i>Citrus limon</i>	Rutaceae	Fr Z SS
		<b>2014 December 15</b> (Bee-eaters & Orchids) (MS/4 & SS/1)		
3267a	22r	<i>Cattleya labiata</i>	Orchidaceae	Fl B MS
3267b	22r	<i>Vanda tricolor</i>	Orchidaceae	Fl B MS
3267c	22r	<i>Cymbidium dayanum</i>	Orchidaceae	Fl B MS
3267d	22r	<i>Vanda denisoniana</i>	Orchidaceae	Fl B MS
3277	SS 70r	<i>Cymbidium hybrid</i>	Orchidaceae	Fl B SS
Margin	LL:	<i>Cattleya purpurata</i>	Orchidaceae	Fl Z SS
	LR:	Bee Orchid, <i>Ophrys apifera</i>	Orchidaceae	Fl Z SS
<b>MONACO</b>		<b>2016 April 29</b> (Intl. Flower Arrangement Festival)		
2842	80c	U/I flowers		Fl A U
		<b>2016 June 24</b>		
2851	€1	Tree, La Rocher		T A U
		<b>2016 June 30</b> (Conservation Prince Albert II Foundation) (MS/4)		
2854d	€1.25	Forest		T A U
<b>MOZAMBIQUE</b>		<b>2000</b> (Surcharge)		
1392B	10000m	<i>Stapelia leendertziae</i> (Sc#798 surch)	Apocynaceae	Fl A
<b>POLAND</b>		<b>2016 July 6</b> (Fruit & Flowers Type of 2009)		
4234	20g	Saffron Crocus, <i>Crocus sativus</i>	Amaryllidaceae	Fl A
<b>ST. THOMAS &amp; PRINCE</b>		<b>2015 March 16</b> (Paintings by Vincent van Gogh) (MS/4 & SS/1)		
2847c	19000d	“Still Life with Red Cabbages and Onions,” <i>Brassica oleracea</i>	Brassicaceae	V B MS
		Onion, <i>Allium cepa</i>	Amaryllidaceae	V B MS
2865	SS 86000d	“Field with Poppies,” <i>Papaver rhoeas</i>	Papaveraceae	Fl B SS
Margin		“The Church in Auvers,” U/I trees		T Z U SS

**ST. THOMAS & PRINCE (cont) 2015 May 21 (Carnivorous Plants & Their Prey) (MS/4 & SS/1)**

2891a	19000d	<i>Nepenthes aristolochioides</i>	Nepenthaceae	Fl A MS
2891b	19000d	<i>Drosera roraimae</i>	Droseraceae	V A MS
2891c	19000d	<i>Nepenthes rajah</i>	Nepenthaceae	Fl A MS
2891d	19000d	<i>Heliamphora ionasi</i>	Sarraceniaceae	V A MS
2891	Margin	LL: <i>Nepenthes rajah</i>	Nepenthaceae	Fl Z MS
2909	SS 86000d	Venus Fly Trap, <i>Dionaea muscipula</i> (also in L margin)	Droseraceae	V A SS
	Margin	LL: Alice Sun Dew, <i>Drosera aliciae</i>	Droseraceae	V Z SS
		LR: Cape Sun Dew, <i>Drosera capensis</i>	Droseraceae	V Z SS

**2015 May 21 (Orchids) (MS/4 & SS/1)**

2892a	19000d	<i>Cattleya</i> sp.	Orchidaceae	Fl A MS
2892b	19000d	<i>Cattleya dowiana</i>	Orchidaceae	Fl A MS
2892c	19000d	<i>Caladenia (=Arachnorchis) radiata</i>	Orchidaceae	Fl A MS
2892d	19000d	<i>Neomoorea wallisii (=irrorata)</i>	Orchidaceae	Fl A MS
2910	SS 86000d	<i>Caladenia corynephora</i>	Orchidaceae	Fl A SS
	Margin	Five U/I Orchids	Orchidaceae	Fl U Z SS

**2015 November 18 (Ptgs by American Impressionists) (MS/4 & SS/1)**

2962c	31000d	Peonies "Spring Flowers" by W. M Chase, <i>Paeonia officinalis</i>	Paeoniaceae	Fl A MS
2962d	31000d	Woman & Peonies from "Spring Flowers," <i>Paeonia officinalis</i>	Paeoniaceae	Fl B MS

**2015 November 18 (Orchids) (MS/4 & SS/1)**

2971a	31000d	<i>Stelis eublepharis</i>	Orchidaceae	Fl A MS
2971b	31000d	<i>Rhynchostele maculata</i>	Orchidaceae	Fl A MS
2971c	31000d	<i>Cattleya percivaliana</i>	Orchidaceae	Fl A MS
2971d	31000d	<i>Masdevallia veitchiana</i>	Orchidaceae	Fl A MS
2971	Margin	LL: <i>Cattleya</i> hybrid	Orchidaceae	Fl U Z MS
		UR & LR: <i>Sarcochilus falcatus</i>	Orchidaceae	Fl Z MS
2990	SS 96000d	<i>Stanhopea embreei</i>	Orchidaceae	Fl A SS
	Margin	UR: <i>Tolumnia</i> hybrid	Orchidaceae	Fl Z SS
		LR: <i>Cymbidiella pardalina (=rhodochila)</i>	Orchidaceae	Fl Z SS

**UNITED STATES****2016 August 12 (Fruit Definitives)**

5037	1c	Albamarle Pippin Apples, <i>Malus domestica</i> 'Albamarle Pippin'	Rosaceae	Fr A
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**2016 September 29 (Jack-o'-lanterns) (Block/4 & Bklt/20)**

5137	(47c)	Pumpkin, <i>Cucurbita pepo</i> (four teeth)	Cucurbitaceae	Fr A
5138	(47c)	Same species (five teeth)	Cucurbitaceae	Fr A
5139	(47c)	Same species (three teeth)	Cucurbitaceae	Fr A
5140	(47c)	Same species (nine teeth)	Cucurbitaceae	Fr A
5140a		Block/4 (Sc#5137-40)		
5140b		Bklt/20 (5ea Sc#5137-40)		

**URUGUAY****2016 May 20 (Intl. Year of Pulses)**

2551	60p	Pea pod, <i>Pisum sativum</i> (with bowl)	Fabaceae	Fr A
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**VIET NAM****2016 April 2 (Flowers) (Set/2 & SS/4)**

3546	3000d	<i>Barringtonia asiatica</i>	Lecythidaceae	Fl A
3547	6000d	<i>Barringtonia asiatica</i>	Lecythidaceae	T A



# FUNGI

Editor

Dr. Paul A. Mistretta, BU1681

New Listings



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

## FINLAND

2015 November 6 (Craft Items) (MS/5)

1502e (€1.10) Mushroom shaped wooden stool X  
 1502 MS/5 (Sc#1502a-e)

2016 September 9 (Mushrooms) (Bklt/5)

1520a (€1.20) no common name, *Russula paludosa* Russulaceae M A  
 1520b (€1.20) Pine Mushroom, *Tricholoma matsutake* Tricholomataceae M A  
 1520c (€1.20) Horn of Plenty, *Craterellus cornucopioides* Cantharellaceae M A  
 1520d (€1.20) Chanterelle or Girolle, *Cantharellus cibarius* Cantharellaceae M A  
 1520e (€1.20) False Saffron (or Orange) Milkcap, *Lactarius deterrimus* Russulaceae M A  
 1520 Bklt/5+5 etiquettes (Sc#1520a-e)

## FRANCE

2015 November 20 (50th anniv. National Forest Office)

4918 68c Drawing of U/I mushrooms at LR C S U

## ITALY

2015 October 31 (Truffles & Forest)

3348 95c Truffles, *Tuber* sp.? Tuberaceae? M A

## MALDIVE ISLANDS

2014 October 14 (Mushrooms) (MS/4 & SS/1)

3244a 20r Chanterelle or Girolle, *Cantharellus cibarius* Cantharellaceae M A  
 3244b 20r Sheathed Woodtuft, *Kuehneromyces mutabilis* Strophariaceae M A  
 3244c 20r Parasol Mushroom, *Macrolepiota procera* Lepiotaceae M A  
 3244d 20r Bay Bolete, *Boletus badius* (currently *Imleria badia*) Boletaceae M A  
 3254 SS 60r Penny Bun (Cep, Porcino, or Porcini), *Boletus edulis* Boletaceae M A

2014 December 14 (Mushrooms & Owls) (MS/4 & SS/1)

3268a 22r Indigo Milk Cap + 2 others, *Lactarius indigo* Russulaceae M B  
 3268b 22r Lingzhi or Reishi Mushroom, *Ganoderma lucidum* Ganodermataceae M B  
 3268c 22r Common Ink Cap or Inky Cap, *Coprinopsis atramentaria* Psathyrellaceae M B  
 3268d 22r Flowerpot Parasol, *Leucocoprinus birnbaumii* ☠ Agaricaceae M B  
 3278 SS 70r no common name, *Psilocybe aztecorum* Hymenogastraceae M B

## ST. THOMAS & PRINCE IS.

2015 May 21 (Mushrooms + Flora/Fauna) (MS/4)

These MS/4 have a common marginal design that shows two uncertain species of mushrooms in the LL margin. The MS with the Carnivorous Plants has a different marginal design with only one of the mushroom species.

2877 4×19000d MS/4 (with monkeys) M U Z  
 2878 4×19000d MS/4 (with wild cats) M U Z  
 2887 4×19000d MS/4 (with frogs) M U Z  
 2890 4×19000d MS/4 (with snakes) M U Z  
 2891 4×19000d MS/4 (with carnivorous plants) M U Z  
 2892 4×19000d MS/4 (with orchids) M U Z

**ST. THOMAS & PRINCE IS.** (continued)

2893a	19000d	Oyster Mushroom, <i>Pleurotus ostreatus</i>	Pleurotaceae	M A
2893b	19000d	Flowerpot Parasol, <i>Leucocoprinus birnbaumii</i> ☞	Agaricaceae	M A
2893c	19000d	Bristly Tropical Cup, <i>Cookeina tricholoma</i>	Sarcoscyphaceae	M A
2893d	19000d	Warted or Gem-studded Puffball, <i>Lycoperdon perlatum</i>	Agaricaceae	M A
	Margin	LL: ?? Bristly Tropical Cup, <i>Cookeina tricholoma</i>	Sarcoscyphaceae	M U Z
		LL: ?? <i>Mycena</i> sp.	Mycenaceae	M U Z
2911	SS 86000d	Vermillion Waxcap, <i>Hygrocybe miniata</i>	Hygrophoraceae	M A
	Margin	L: ?? Discomycetes class		M U Z
		LL: ?? <i>Marasmius</i> sp.	Marasmiaceae	M U Z
		UR: ?? <i>Amanita</i> sp.	Amanitaceae	M U Z
		R: ?? <i>Hebeloma</i> sp.	Hymenogastraceae	M U Z
<b>2015 September 23</b> (Scouts) (MS/4 & SS/1)				
2920d	31000d	Scouts with backpacks & mushrooms	-----	M U Z
2940	SS 96000d	Scouts & mushrooms	-----	M U Z
<b>2015 November 18</b> (Mushrooms) (MS/4 & SS/1)				
2972a	31000d	Parasol Mushroom, <i>Macrolepiota procera</i>	Lepiotaceae	M A
2972b	31000d	Common (Yellow or True) Morel, <i>Morchella esculenta</i>	Morchellaceae	M A
2972c	31000d	no common name, <i>Cortinarius triformis</i>	Cortinariaceae	M A
2972d	31000d	Scarlet Hood or Scarlet Waxcap, <i>Hygrocybe coccinea</i>	Hygrophoraceae	M A
	Margin	Bot: no common name, <i>Armillaria solidipes</i>	Physalacriaceae	M Z
2991	SS 96000d	Caesar's Mushroom; <i>Amanita caesarea</i>	Amanitaceae	M A
	Margin	R & Bot: Shaggy Ink Cap or Lawyer's Wig, <i>Coprinus comatus</i>	Agaricaceae	M Z
		LR: no common name, <i>Suillus granulatus</i>	Suillaceae	M Z

**ANIMALS; DOGS & CATS; HORSES; INSECTS; BUGS  
BUTTERFLIES; MALARIA; FLOWERS & PLANTS; ORCHIDS  
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# MAMMALIA

Editor

Michael Prince, LM68



## New Listings

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
<b>ARMENIA</b> <b>2015 December 28</b> (Flora & Fauna) (Set/2)				
1054	220d	Eurasian Lynx, <i>Lynx lynx</i>	Felidae	A
<b>BAHAMAS</b> <b>2016 March 31</b> (25th anniv. Bahamas Marine Mammal Research Org.)				
1449	15c	Pantropical Spotted Dolphin, <i>Stenella attenuata</i>	Delphinidae	A
1450	50c	Common Bottlenose Dolphin, <i>Tursiops truncatus</i>	Delphinidae	A
1451	65c	Atlantic Spotted Dolphin, <i>Stenella frontalis</i>	Delphinidae	A
1452	70c	Rough-toothed Dolphin, <i>Steno bredanensis</i>	Delphinidae	A
<b>BULGARIA</b> <b>2015 October 23</b> (WWF) (Set/4, Block or Strip/4, SS/4)				
4737	65s	Grey Wolf, <i>Canis lupus</i>	Canidae	A
4738	80s	Same species	Canidae	A
4739	140L	Same species	Canidae	A
4740	3L	Same species	Canidae	A
4740a		Block or Strip/4 (Sc#4737–40) (perf 13)		
4741a	65s	Grey Wolf, <i>Canis lupus</i>	Canidae	A
4741b	80s	Same species	Canidae	A
4741c	140L	Same species	Canidae	A
4741d	3L	Same species	Canidae	A
4741		SS/4 (Sc#4741a–d) (perf 13¼)		
<b>COCOS ISLANDS</b> <b>2016 May 17</b> (Dolphins) (Set/3)				
385	\$1	Short-beaked Common Dolphin, <i>Delphinus delphis</i>	Delphinidae	A
386	\$1	Indo-Pacific Bottlenose Dolphin, <i>Tursiops aduncus</i>	Delphinidae	A
387	\$1	Spinner Dolphin, <i>Stenella longirostris</i>	Delphinidae	A
<b>COLOMBIA</b> <b>2015 December 14</b> (Risaralda Department) (MS/12)				
1430j	100p	Venezuelan Red Howler Monkey, <i>Alouatta seniculus</i>	Cebidae	A
<b>CURAÇAO</b> <b>2015 May 19</b> (Mammals) (Set/6)				
230	65c	Cuban Solenodon, <i>Solenodon cubanus</i>	Solenodontidae	A
231	119c	Bahamian Hutia, <i>Geocapromys ingrahami</i>	Capromyidae	A
232	177c	White-tailed Deer, <i>Odocoileus virginianus</i>	Cervidae	A
233	183c	Eastern Cottontail, <i>Sylvilagus floridanus</i>	Leporidae	A
234	430c	Common Bottlenose Dolphin, <i>Tursiops truncatus</i>	Delphinidae	A
235	676c	Southern Long-nosed Bat, <i>Leptonycteris curasoae</i>	Phyllostomidae	A
<b>DOMINICAN REPUBLIC</b> <b>2016 June 15</b> (Marine Mammals) (Block/4)				
1594a	50p	Common Bottlenose Dolphin, <i>Tursiops truncatus</i>	Delphinidae	A
1594b	50p	West Indian Manatee, <i>Trichechus manatus</i>	Trichechidae	A
1594c	50p	Humpback Whale, <i>Megaptera novaeangliae</i>	Balaenopteridae	A
1594d	50p	Short-finned Pilot Whale, <i>Globicephala macrorhynchus</i>	Delphinidae	A
<b>ECUADOR</b> <b>2015 November 11</b> (Tourism) (Horiz Strip/5 & SS/1)				
2169b	\$1	Vicugna, <i>Vicugna vicugna</i>	Camelidae	A
2169d	\$1	Humpback Whale, <i>Megaptera novaeangliae</i>	Balaenopteridae	A
2170	SS \$5	Humpback Whale, <i>Megaptera novaeangliae</i>	Balaenopteridae	A

<b>FINLAND</b>		<b>2016 September 9</b> (WWF) (Strip/3+3 etiquettes)		
1519a	(€1.20)	Ringed Seal, <i>Pusa hispida</i>	Phocidae	A
<b>FRANCE</b>		<b>2016 January 26</b> (New Year 2016-Year of the Monkey)		
4968	80c	Stylized Monkey (possibly based on Mangabey or Guenon species)		U S
4971		MS/4 (Sc#4968 & Sc#4971a-c)		
<b>FRANCE (UNESCO)</b>		<b>2015 November 6</b> (70th anniv. UNESCO) (Set/2)		
2075	95c	Blue Wildebeest, <i>Connochaetes taurinus</i>	Bovidae	A
<b>GERMANY</b>		<b>2016 March 1</b> (Juvenile Animals) (Set/2 & Bklt/8)		
2898	70c	European Hare, <i>Lepus europaeus</i> (perf 13½×13¾)	Leporidae	A
2900	70c	European Hare, <i>Lepus europaeus</i> (die cut 9¾) (s/a)	Leporidae	A
2901a		Bklt/8 (4ea Sc#2900-01)		
<b>KAZAKHSTAN</b>		<b>2016 April 8</b> (Aksu-Zhabagly Nature Reserve) (SS/3)		
767b	200te	Siberian Ibex, <i>Capra sibirica</i>	Bovidae	A
<b>MALDIVE ISLANDS</b>		<b>2014 May 7</b> (Endangered Animals) (MS/4)		
3165b	20r	Golden Lion Tamarin, <i>Leontopithecus rosalia</i>	Cebidae	A
3165d	20r	Markhor, <i>Capra falconeri</i>	Bovidae	A
		<b>2014 October 14</b> (Dolphins) (MS/4 & SS/1)		
3241a	20r	Atlantic Spotted Dolphin, <i>Stenella frontalis</i>	Delphinidae	A
3241b	20r	Short-beaked Common Dolphin, <i>Delphinus delphis</i>	Delphinidae	A
3241c	20r	Hector's Dolphin, <i>Cephalorhynchus hectori</i>	Delphinidae	A
3241d	20r	Pacific White-sided Dolphin, <i>Lagenorhynchus obliquidens</i>	Delphinidae	A
3251	SS 60r	Pacific White-sided Dolphin, <i>Lagenorhynchus obliquidens</i>	Delphinidae	A
	Margin	Bot: Atlantic Spotted Dolphin, <i>Stenella frontalis</i>	Delphinidae	Z
<b>MONACO</b>		<b>2016 June 30</b> (Conservation Prince Albert II Foundation) (MS/4)		
2854a	€1.25	Polar Bear, <i>Ursus maritimus</i>	Ursidae	A
2854c	€1.25	Tiger, <i>Panthera tigris</i>	Felidae	A
<b>ST THOMAS &amp; PRINCE IS.</b>		<b>2015 May 21</b> (Mammals) (4ea MS/4 & 4ea SS/1)		
2877a	19000d	Proboscis Monkey, <i>Nasalis larvatus</i>	Cercopithecidae	A
2877b	19000d	Mandrill, <i>Mandrillus sphinx</i>	Cercopithecidae	A
2877c	19000d	White-faced Capuchin, <i>Cebus capucinus</i>	Cebidae	A
2877d	19000d	Golden Lion Tamarin, <i>Leontopithecus rosalia</i>	Cebidae	A
2895	SS 86000d	Cotton-top Tamarin, <i>Saguinus oedipus</i>	Callitrichidae	A
	Margin	L: Golden Lion Tamarin, <i>Leontopithecus rosalia</i>	Cebidae	Z
		R: White-faced Capuchin, <i>Cebus capucinus</i>	Cebidae	Z
2878a	19000d	Ocelot, <i>Leopardus pardalis</i>	Felidae	A
2878b	19000d	Puma, <i>Puma concolor</i>	Felidae	A
2878c	19000d	Leopard, <i>Panthera pardus</i>	Felidae	A
2878d	19000d	Tiger, <i>Panthera tigris</i>	Felidae	A
2896	SS 86000d	Jaguar, <i>Panthera onca</i>	Felidae	A
	Margin	L: Cougar, <i>Puma concolor</i>	Felidae	Z
		R: Black Leopard, <i>Panthera pardus</i>	Felidae	Z
2879a	19000d	Common Bottlenose Dolphin, <i>Tursiops truncatus</i>	Delphinidae	A
2879b	19000d	Risso's Dolphin, <i>Grampus griseus</i>	Delphinidae	A
2879c	19000d	Spinner Dolphin, <i>Stenella longirostris</i>	Delphinidae	A
2879d	19000d	Long-beaked Common Dolphin, <i>Delphinus capensis</i>	Delphinidae	A
2897	SS 86000d	Pink River Dolphin, <i>Inia geoffrensis</i>	Iniidae	A
	Margin	L & R: Common Bottlenose Dolphin, <i>Tursiops truncatus</i>	Delphinidae	Z

**ST THOMAS & PRINCE IS.** (continued)

2880a	19000d	Dwarf Manatee, <i>Trichechus pygmaeus</i>	Trichechidae	(new) A
2880b	19000d	West Indian Manatee, <i>Trichechus manatus</i>	Trichechidae	A
2880c	19000d	African Manatee, <i>Trichechus senegalensis</i>	Trichechidae	A
2880d	19000d	West Indian Manatee, <i>Trichechus manatus</i>	Trichechidae	A
2898	SS 86000d	West Indian Manatee, <i>Trichechus manatus</i> (also in margin)	Trichechidae	A

**2015 November 18** (Mammals) (3ea MS/4 & 3ea SS/1)

2963a	31000d	Red Panda, <i>Ailurus fulgens</i>	Ailuridae	A
2963b	31000d	Markhor, <i>Capra falconeri</i>	Bovidae	A
2963c	31000d	Tiger, <i>Panthera tigris</i>	Felidae	A
2963d	31000d	Grey-shanked Douc Langur, <i>Pygathrix cinerea</i>	Cercopithecidae	A
2963	Margin	Bot: Ring-tailed Lemur, <i>Lemur catta</i>	Lemuridae	Z
2982	SS 96000d	Ring-tailed Lemur, <i>Lemur catta</i>	Lemuridae	A
	Margin	R: Giant Panda, <i>Ailuropoda melanoleuca</i>	Ursidae	Z
2965a	31000d	Asiatic Elephant, <i>Elephas maximus</i>	Elephantidae	A
2965b	31000d	African Bush Elephant, <i>Loxodonta africana</i>	Elephantidae	A
2965c	31000d	African Bush Elephant, <i>Loxodonta africana</i>	Elephantidae	A
2965d	31000d	African Forest Elephant, <i>Loxodonta cyclotis</i>	Elephantidae	A
	Margin	UL: African Forest Elephant, <i>Loxodonta cyclotis</i>	Elephantidae	Z
		Bot: Borneo Elephant, <i>Elephas maximus borneoensis</i>	Elephantidae	Z
		LR: Indian Elephant, <i>Elephas maximus indicus</i>	Elephantidae	Z
2984	SS 96000d	Asiatic Elephant, <i>Elephas maximus</i> (also in R margin)	Elephantidae	A
2966a	31000d	North Atlantic Right Whale, <i>Eubalaena glacialis</i>	Balaenidae	A
2966b	31000d	L: Blue Whale, <i>Balaenoptera musculus</i>	Balaenopteridae	B
		R: Common Minke Whale, <i>Balaenoptera acutorostrata</i>	Balaenopteridae	B
2966c	31000d	Sei Whale, <i>Balaenoptera borealis</i>	Balaenopteridae	A
2966d	31000d	Top: Sperm Whale, <i>Physeter catodon</i>	Physeteridae	B
		Bot: Humpback Whale, <i>Megaptera novaeangliae</i>	Balaenopteridae	B
	Margin:	UR: Narwhal, <i>Monodon monoceros</i>	Monodontidae	Z
		Bot: Blue Whale, <i>Balaenoptera musculus</i>	Balaenopteridae	Z
2985	SS 96000d	Bowhead Whale, <i>Balaena mysticetus</i>	Balaenidae	A
	Margin	UR: Humpback Whale, <i>Megaptera novaeangliae</i>	Balaenopteridae	Z
		LR: Sperm Whale, <i>Physeter macrocephalus</i>	Physeteridae	Z

**2015 December 29** (Mammals)

2998c	31000d	Banteng, <i>Bos javanicus</i> (s-o-s)	Bovidae	A
2998d	31000d	Tiger, <i>Panthera tigris</i> (s-o-s)	Felidae	A
3028	SS 96000d	Leopard Cat, <i>Prionailurus bengalensis</i>	Felidae	B
3009a	31000d	Pacific White-sided Dolphin, <i>Lagenorhynchus obliquidens</i>	Delphinidae	A
3009b	31000d	Common Bottlenose Dolphin, <i>Tursiops truncatus</i>	Delphinidae	A
3009c	31000d	Beluga, <i>Delphinapterus leucas</i>	Monodontidae	B
		Common Bottlenose Dolphin, <i>Tursiops truncatus</i>	Delphinidae	B
3009d	31000d	Common Bottlenose Dolphin, <i>Tursiops truncatus</i>	Delphinidae	A
3029	SS 96000d	Short-beaked Common Dolphin, <i>Delphinus delphis</i>	Delphinidae	A
	Margin	UR: Pantropical Spotted Dolphin, <i>Stenella attenuata</i>	Delphinidae	Z
		Bot: Risso's Dolphin, <i>Grampus griseus</i>	Delphinidae	Z
3014a	31000d	Rhesus Monkey, <i>Macaca mulatta</i>	Cercopithecidae	A
3014b	31000d	Common Squirrel Monkey, <i>Saimiri sciureus</i>	Cebidae	A
3014c	31000d	White-faced Capuchin, <i>Cebus capucinus</i>	Cebidae	A
3014d	31000d	Purus Red Howler Monkey, <i>Alouatta puruensis</i>	Cebidae	(new) A
3034	SS 96000d	White-faced Capuchin Monkey, <i>Cebus capucinus</i>	Cebidae	A
	Margin	Bot: Common Chimpanzee, <i>Pan troglodytes</i>	Hominidae	Z

**URUGUAY**

2542

20p Collared Mangabey, *Cercocebus torquatus***2016 January 28** (New Year 2016-Year of the Monkey)

Cercopithecidae

A

**BABY ANIMALS**

On 1 March 2016, Deutsche Post issued another set of two stamps in its continuing series of “Baby Animals.” This series, which began in 2014, draws attention to wildlife and its protection.

This set includes juveniles of the Greylag Goose (*Anser anser*) and the European Hare (*Lepus europaeus*).

The Greylag Goose is a large bird, 29 to 36 inches in length, with an average weight of 7.3 pounds (3.3 kg). Its distribution is widespread, with birds from the north of its range in Europe and Asia migrating south to spend the winter in warmer places.

The European Hare, also known as the Brown Hare, is a species native to Europe and parts of Western Asia and Central Asia. It is among the largest hare species.

The set of two (Sc#2898–99) are perforated 13½×13¾ and printed in sheets of ten. The stamps were designed by Nicole Elsenbach and Frank Fienbork. The same designs were issued in a booklet pane of eight (4ea Sc#2900–01). These stamps are self-adhesive and die cut 9¾.



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# ORNITHOLOGY

Editor

Glenn G. Mertz, BU1455

Corrections/Updates



## MALDIVE ISLANDS – Vol. 65(2), pp.113–15

**Update:** Scott Publishing has assigned numbers to the issues listed in Vol. 65(2). The updates listed below are in the order listed on pages 113–15.

- Sc#3148a–d & Sc#3158 SS (Birds of Prey of the Indian Ocean)
- Sc#3147a–d & Sc#3157 SS (Owls of the Indian Ocean)
- Sc#3165a (50th Anniversary of the Red List)
- Sc#3238 SS (Third Intl Conf. SIDS)
- Sc#3268a–d & Sc#3278 SS (Owls & Mushrooms)
- Sc#3262a–d & Sc#3272 SS (Pigeons & Fruits)
- Sc#3265a–d & Sc#3275 SS (Birds of Prey)
- Sc#3263a–d & Sc#3273 SS (Water Birds & Corals)
- Sc#3266a–d & Sc#3276 SS (Seabirds & Shells)
- Sc#3264a–d & Sc#3274 SS (Wading Birds & Insects)
- Sc#3269a–d & Sc#3279 SS (Terns & Lighthouses)
- Sc#3261a–d & Sc#3271 SS (Songbirds)
- Sc#3267a–d & Sc#3277 SS (Bee-eaters & Orchids)
- Sc#3260a–d & Sc#3270 SS (Pelicans)

## ST. THOMAS & PRINCE ISLANDS – Vol. 65(2), pp.122–27

**Update:** Scott Publication has assigned numbers to a several issues listed in Vol. 65(2). I have listed them here in the order I listed them, starting with bee-eaters.

- Sc#2640a,d & Sc#2660 SS (50<sup>th</sup> Anniversary Forth Bridge)
- Sc#2648a,b (50th Anniversary of Red List)
- Sc#2720a–d & Sc#2740 SS (Bee-eaters)
- Sc#2719a–d & Sc#2739 SS (Hummingbirds)
- Sc#2727a,d & Sc#2747 SS (Global Climate)
- Sc#2721a–d & Sc#2741 SS (Grapes & Birds)
- Sc#2718a–d & Sc#2738 SS (Hornbills)
- Sc#2717a–d & Sc#2737 SS (Pheasants)
- Sc#2725a (Predators)
- Sc#2716a–d & Sc#2736 SS (Secretary-bird)
- Sc#2764a–d & Sc#2784 SS (Flamingos)
- Sc#2763a–d & Sc#2783 SS (Kingfishers)
- Sc#2762a–d & Sc#2782 SS (Parrots)
- Sc#2808a–d & Sc#2825 SS (Birds of Prey)
- Sc#2807a–d & Sc#2824 SS (Owls)
- Sc#2795a–c & Sc#2796 SS (World Young Stamp Exhibition)
- Sc#2881a–d & Sc#2899 SS (Rainforest Parrots)
- Sc#2882a–d & Sc#2900 SS (Harpy Eagle)
- Sc#2883a–d & Sc#2901 SS (Toucans)
- Sc#2884a–d & Sc#2902 SS (Owls)
- Sc#2930a–d & Sc#2950 SS (John J. Audubon)

**ST. THOMAS & PRINCE ISLANDS** (continued)

Sc#2922d & Sc#2942 SS (Lighthouse)  
 Sc#2967a-d & Sc#2986 SS (Owls)  
 Sc#2955b,d (31st Asia Intl. Stamp Exhibition)  
 Sc#3012a-d & Sc#3032 SS (Raptors)  
 Sc#3011a-d & Sc#3031 SS (Birds of St. Thomas)  
 Sc#2999a-d & Sc#3019 SS (Lighthouses)  
 Sc#2998a & Sc#3018 SS (Malaysia Sc#821 s-o-s)  
 Sc#3010a-d & Sc#3030 SS (Plovers)

**SIERRA LEONE – Vol. 65(2), p.133**

**Correction:** African Emerald Cuckoo has been corrected to Asian Emerald Cuckoo (*Chrysococcyx maculatus*).

**SOLOMON ISLANDS – Vol. 65(2), pp.133–35**

**Update:** Scott Publishing has assigned numbers to the following issues.

Sc#1766a-d with Sc#1766a for the owl (Taiwan Protected Species)  
 Sc#1812a-d & Sc#1832 SS (Seabirds)  
 Sc#1813a-d & Sc#1833 SS (Australian Hawks)  
 Sc#1814a-d & Sc#1834 SS (Owls)  
 Sc#1861a-d & Sc#1881 SS (Frigatebirds)  
 Sc#1862a-d & Sc#1882 SS (Terns)  
 Sc#1863a-d & Sc#1883 SS (Monarch Flycatchers)  
 Sc#1864a-d & Sc#1884 SS (Honeyeaters)  
 Sc#1890a-d & Sc#1910 SS (Owls)  
 Sc#1891a-d & Sc#1911 SS (Birds of Prey)

**TOGO – Vol. 64(3), p.185**

**Update:** I listed an issue of 11 April 2014 for Jackass Penguin with a 1900fr SS. Another 1900fr SS for this species was also issued, but with a date of 7 May 2014. Still no Scott number. You may want to manually add this to the listing on page 185 underneath the other 1900fr SS listed.

**UNITED STATES – Vol. 65(3), p.216**

**Correction:** Sc#5003 was listed as (49c). Correct to (93c) as this stamp was for the three ounce rate, not the one ounce stamp rate. Thanks to Carol J. Edholm of Washington state for catching this error.

**New Issues**

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
<b>ARUBA</b>				
<b>2016 March 31 (Owls) (Set/4)</b>				
480	140c	Burrowing Owl, <i>Athene cunicularia arubensis</i> (two owls)	Strigidae	<b>A</b>
481	200c	Same species (one owl)	Strigidae	
482	320c	Same species (three owls)	Strigidae	
483	650c	Same species (owl in flight) (Scott incorrectly has value as 65c)	Strigidae	
<b>AUSTRALIA</b>				
<b>2015 October 27 (Animals in War) (SS/5 &amp; Bklt/10 s/a)</b>				
4377	70c	Rock Dove, <i>Columba livia</i>	Columbidae	<b>C</b>
4378a		SS/5 (Sc#4374–78)		
4383	70c	Same design (s/a)	Columbidae	
4383a		Bklt/10 (2ea Sc#4379–83) (s/a)		
<b>2016 February 9 (Banknotes &amp; Coin)</b>				
4451	\$1	Emu, <i>Dromaius novaehollandiae</i> (perf 14½×14)	Casuariidae	<b>C</b>
4451a	\$1	Emu, <i>Dromaius novaehollandiae</i> (perf 13½×14)	Casuariidae	
4451b		Bklt/4 (Sc#4451a)		

<b>AUSTRALIA</b> (continued)		<b>2016 March 1</b> (Items with Same Letter) (Strip/5 & Bklt/10)		<b>C</b>
4452	\$1	Brown Noddy, <i>Anous stolidus</i>	Laridae	
4456a		Horiz strip/5 (Sc#4452–56) (perf 14¾×14)		
4457	\$1	Same design	Laridae	
4457a		Bklt/10 (Sc#4457) (die cut 11¼) (s/a)		
		<b>2016 March 31</b> (Owls) (SS/4, 8ea Bklt/2, & Bklt/10)		<b>A</b>
4499	\$1	Rufous Owl, <i>Ninox rufa</i>	Strigidae	
4499a		Bklt/2 (Sc#4499)		
4500	\$1	Australasian Grass-Owl, <i>Tyto longimembris</i>	Tytonidae	
4500a		Bklt/2 (Sc#4500)		
4500b		Bklt/2 (Sc#4499–4500)		
4501	\$1	Sooty Owl, <i>Tyto tenebricosa</i>	Tytonidae	
4501a		Bklt/2 (Sc#4501)		
4501b		Bklt/2 (Sc#4500–01)		
4502	\$1	Southern Boobook, <i>Ninox novaeseelandiae</i>	Strigidae	
4502a	\$1	Bklt/2 (Sc#4502)		
4502b		Bklt/2 (Sc#4501–02)		
4502c		Bklt/2 (Sc#4499 & Sc#4502)		
4502d		SS/4 (Sc#4499–4502) (perf 14×13½)		
4503	\$1	Australasian Grass-Owl, <i>Tyto longimembris</i>	Tytonidae	
4504	\$1	Sooty Owl, <i>Tyto tenebricosa</i>	Tytonidae	
4505	\$1	Rufous Owl, <i>Ninox rufa</i>	Strigidae	
4506	\$1	Southern Boobook, <i>Ninox novaeseelandiae</i>	Strigidae	
4506a		Bklt/10 (2ea Sc#4503, Sc#4506 & 3ea Sc#4504–05) (die cut 11¼×10¾) (s/a)		
<b>AUSTRALIAN ANTARCTIC TERR.</b>		<b>2015 September 9</b> (Pest Eradication) (Set/4)		<b>B</b>
L192	70c	King Penguin, <i>Aptenodytes patagonicus</i> (with dog)	Spheniscidae	
<b>AZERBAIJAN</b>		<b>2016 May 12</b> (Eagles) (Pair) (Joint issue with Belarus)		<b>A</b>
1112a	60g	Golden Eagle, <i>Aquila chrysaetos</i>	Accipitridae	
1112b	60g	Steppe Eagle, <i>Aquila nipalensis</i>	Accipitridae	
<b>BOLIVIA</b>		<b>2015 May 16</b> (Endangered Animals) (Set/4)		<b>A</b>
1612	5.50b	Giant Coot, <i>Fulica gigantea</i>	Rallidae	
		(Cap: <i>Fulica cornuta</i> for Horned Coot) (would be new to the Aviary, if it were correct)		
1615	50b	Harpy Eagle, <i>Harpia harpyja</i>	Accipitridae	
		<b>2015 June 25</b> (50th anniv. Relations with South Korea) (Horiz Pair)		<b>A</b>
1616a	2b	Scaly-sided Merganser, <i>Mergus squamatus</i>	Anatidae	
1616b	2b	Palkachupa Cotinga, <i>Phibalura boliviana</i>	Cotingidae	
<b>CANADA</b>		<b>2015 September 14</b> (Haunted Canada) (MS/5 & Bklt/10)		<b>C</b>
2860b	(85c)	American Crow, <i>Corvus brachyrhynchos</i> (in tree)	Corvidae	
2860		MS/5 (Sc#2860a–e) (perf 12½×13)		
	Margin	LL: Same species	Corvidae	
2864	(85c)	American Crow, <i>Corvus brachyrhynchos</i>	Corvidae	
2865a		Bklt/10 (2ea Sc#2861–65) (die cut 13¼) (s/a)		
		<b>2016 July 12</b> (Birds of Canada) (MS/5+label & Bklt/10)		<b>A</b>
2929a	(85c)	Rock Ptarmigan, <i>Lagopus muta</i>	Phasianidae	
2929b	(85c)	Great Horned Owl, <i>Bubo virginianus</i>	Strigidae	
2929c	(85c)	Common Raven, <i>Corvus corax</i>	Corvidae	
2929d	(85c)	Atlantic Puffin, <i>Fratercula arctica</i>	Alcidae	
2929e	(85c)	Sharp-tailed Grouse, <i>Tympanuchus phasianellus</i>	Phasianidae	
		(This species was previously shown on a Saskatchewan Wildlife Stamp)		Vol. 65(3)

**CANADA** (continued)

2929		MS/5+label (Sc#2929a–e) (perf 13×13¼)	
2930	(85c)	Sharp-tailed Grouse, <i>Tympanuchus phasianellus</i>	Phasianidae
2931	(85c)	Great Horned Owl, <i>Bubo virginianus</i>	Strigidae
2932	(85c)	Atlantic Puffin, <i>Fratercula arctica</i>	Alcidae
2933	(85c)	Common Raven, <i>Corvus corax</i>	Corvidae
2934	(85c)	Rock Ptarmigan, <i>Lagopus muta</i>	Phasianidae
2934a		Bklt/10 (2ea Sc#2930–34) (die cut 13½×13¾) (s/a)	

**CHAD****2012 November 5** (Birds) (MS/4, 2ea SS/2, & 4ea SS/1)**A**

N/A	350fr	Sudan Golden Sparrow, <i>Passer luteus</i> (single bird)	Passeridae
N/A	350fr	Same species (two birds)	Passeridae
N/A	500fr	Northern Carmine Bee-eater, <i>Merops nubicus</i> (UR)	Meropidae
N/A	500fr	Yellow-shouldered Widowbird, <i>Euplectes macroura</i> (LL)	Ploceidae
N/A	1700fr	MS/4 (above)	
	Margin	corners: Yellow-shouldered Widowbird, <i>Euplectes macroura</i>	Ploceidae
N/A	350fr	Sudan Golden Sparrow, <i>Passer luteus</i> (single bird)	Passeridae
N/A	350fr	Same species (two birds) (also in UR margin)	Passeridae
N/A	SS 700fr	SS/2 (above)	
N/A	500fr	Northern Carmine Bee-eater, <i>Merops nubicus</i>	Meropidae
N/A	500fr	Yellow-shouldered Widowbird, <i>Euplectes macroura</i>	Ploceidae
N/A	SS 1000fr	SS/2 (above)	
	Margin	UR: Yellow-crowned Bishop, <i>Euplectes afer</i>	Ploceidae
N/A	SS 350fr	Sudan Golden Sparrow, <i>Passer luteus</i> (single bird)	Passeridae
	Margin	R: Same species (six birds ♂ & ♀)	Passeridae
N/A	SS 350fr	Sudan Golden Sparrow, <i>Passer luteus</i> (two birds)	Passeridae
	Margin	R: Same species (three birds ♂ & ♀)	Passeridae
N/A	SS 500fr	Northern Carmine Bee-eater, <i>Merops nubicus</i>	Meropidae
	Margin	Top: Northern Carmine Bee-eater, <i>Merops nubicus</i>	Meropidae
		UR: Green Bee-eater, <i>Merops orientalis</i>	Meropidae
		LR: Swallow-tailed Bee-eater, <i>Merops hirundineus</i>	Meropidae
N/A	SS 500fr	Yellow-shouldered Widowbird, <i>Euplectes macroura</i>	Ploceidae
	Margin	UR: Yellow-crowned Bishop, <i>Euplectes afer</i>	Ploceidae
		MR: Red-collared Widowbird, <i>Euplectes ardens</i>	Ploceidae
		LR: Orange-bishop Widowbird, <i>Euplectes franciscanus</i>	Ploceidae

**2012 November 5** (Birds) (MS/4, 2ea SS/2, & 4ea SS/1)**A**

N/A	350fr	Corn Crake, <i>Crex crex</i>	Rallidae
N/A	350fr	Same species (with chick)	Rallidae
N/A	500fr	Cape Teal, <i>Anas capensis</i> (UL)	Anatidae
N/A	500fr	African Darter, <i>Anhinga rufa</i> (LR)	Anhingidae
N/A	SS 1700fr	MS/4 (above)	
	Margin	corners: African Darter, <i>Anhinga rufa</i>	Anhingidae
N/A	350fr	Corn Crake, <i>Crex crex</i>	Rallidae
N/A	350fr	Same species (with chick)	Rallidae
N/A	SS 700fr	SS/2 (above)	
	Margin	LR: Corn Crake, <i>Crex crex</i>	Rallidae
N/A	500fr	Cape Teal, <i>Anas capensis</i>	Anatidae
N/A	500fr	African Darter, <i>Anhinga rufa</i>	Anhingidae
N/A	SS 1000fr	SS/2 (above)	
	Margin	UR: Egyptian Goose, <i>Alopochen aegyptiacus</i>	Anatidae
		LR: Great Egret, <i>Ardea alba</i>	Ardeidae

**CHAD** (continued)

N/A	SS 350fr	Corn Crake, <i>Crex crex</i> (also in UR & LR margin)	Rallidae
N/A	SS 350fr	Corn Crake, <i>Crex crex</i> (with chick) (also in LR margin)	Rallidae
N/A	SS 500fr	Cape Teal, <i>Anas capensis</i>	Anatidae
	Margin	Bot: Gadwall, <i>Anas strepera</i>	Anatidae
		MR: Northern Pintail, <i>Anas acuta</i>	Anatidae
		UR: Northern Shoveler, <i>Anas clypeata</i>	Anatidae
N/A	SS 500fr	African Darter, <i>Anhinga rufa</i>	Anhingidae
	Margin	Top: Little Bittern, <i>Ixobrychus minutus</i>	Ardeidae
		UR: Common Snipe, <i>Gallinago gallinago</i>	Scolopacidae
		LR: African Openbill, <i>Anastomus lamelligerus</i>	Ciconiidae

**2012 December 5** (Birds of Prey) (MS/6, SS/4, SS/2, & 6ea SS/1)**A**

N/A	550fr	Greater Spotted Eagle, <i>Clanga clanga</i> (on rock)	Accipitridae
N/A	550fr	Lesser Kestrel, <i>Falco naumanni</i>	Falconidae
N/A	550fr	Greater Spotted Eagle, <i>Clanga clanga</i> (on branch)	Accipitridae
N/A	550fr	Red-necked Falcon, <i>Falco chicquera</i> (facing right)	Falconidae
N/A	550fr	Same species (frontal view)	Falconidae
N/A	550fr	Lesser Kestrel, <i>Falco naumanni</i> (♂ & ♀)	Falconidae
N/A	3300fr	MS/6 (above)	
N/A	550fr	Lesser Kestrel, <i>Falco naumanni</i>	Falconidae
N/A	550fr	Red-necked Falcon, <i>Falco chicquera</i> (frontal view)	Falconidae
N/A	550fr	Same species (facing right)	Falconidae
N/A	550fr	Lesser Kestrel, <i>Falco naumanni</i>	Falconidae
N/A	SS 2200fr	SS/4 (above)	
	Margin	MR: Gray Kestrel, <i>Falco ardosiaceus</i>	Falconidae
		UR: Red-footed Falcon, <i>Falco vespertinus</i>	Falconidae
N/A	550fr	Greater Spotted Eagle, <i>Clanga clanga</i> (on rock)	Accipitridae
N/A	550fr	Same species (on branch)	Accipitridae
N/A	SS 1100fr	SS/2 (above)	
	Margin	UR: Steppe Eagle, <i>Aquila nipalensis</i>	Accipitridae
N/A	SS 550fr	Greater Spotted Eagle, <i>Clanga clanga</i> (on rock) (also R margin)	Accipitridae
N/A	SS 550fr	Same species (on branch) (also R margin)	Accipitridae
N/A	SS 550fr	Lesser Kestrel, <i>Falco naumanni</i>	Falconidae
N/A	SS 550fr	Red-necked Falcon, <i>Falco chicquera</i> (facing right)	Falconidae
N/A	SS 550fr	Same species (frontal view)	Falconidae
N/A	SS 550fr	Lesser Kestrel, <i>Falco naumanni</i>	Falconidae

**2013 April 18** (Scouts with Birds & Mushrooms) (SS/2)**B**

N/A	800fr	Giant Kingfisher, <i>Megaceryle maxima</i>	Alcedinidae
	SS Margin	ML: Cut-throat, <i>Amadina fasciata</i>	Estrildidae
		UL: Long-tailed Glossy-Starling, <i>Lamprotornis caudatus</i>	Sturnidae
		Top: Long-crested Eagle, <i>Lophaetus occipitalis</i>	Accipitridae
		UR: Osprey, <i>Pandion haliaetus</i>	Pandionidae
		Bot: Fulvous Whistling-Duck, <i>Dendrocygna bicolor</i>	Anatidae

**2014 January 14** (Jean-Jacques Audubon) (MS/2 & SS/2)**B**

N/A	200fr	Canada Warbler, <i>Cardinella canadensis</i>	Parulidae
N/A	200fr	White-crowned Pigeon, <i>Patagioenas leucocephala</i>	Columbidae
	SS Margin	UL: Red-shouldered Hawk, <i>Buteo lineatus</i>	Accipitridae
		Top: Summer Tanager, <i>Piranga rubra</i>	Cardinalidae
		UR: Hoopoe, <i>Upupa epops</i>	Upupidae
		LL: Great Horned Owl, <i>Bubo virginianus</i>	Strigidae
		Bot: Hen Harrier, <i>Circus cyaneus</i>	Accipitridae

**2014 January 14** (Cook & Ross) (MS/2 & 2ea SS/1)**B**

N/A	300fr	(Cook) African Black-headed Oriole, <i>Oriolus larvatus</i>	Oriolidae
N/A	300fr	(Ross) Snow Petrel, <i>Pagodroma nivea</i>	Procellariidae
		Cape Petrel, <i>Daption capense</i>	Procellariidae
N/A	600fr	MS/2 (above)	
	Margin	UL: Jameson's Firefinch, <i>Lagonosticta rhodopareia</i>	Estrildidae
		LL: Orange-cheeked Waxbill, <i>Estrilda melpoda</i>	Estrildidae
N/A	SS 300fr	(Cook) African Black-headed Oriole, <i>Oriolus larvatus</i>	Oriolidae
	Margin	UL: Black-collared Barbet, <i>Lybius torquatus</i>	Lybiidae
		LR: Yellow-breasted Barbet, <i>Trachyphonus margaritatus</i>	Lybiidae
N/A	SS 300fr	(Ross) Snow Petrel, <i>Pagodroma nivea</i>	Procellariidae
		Cape Petrel, <i>Daption capense</i>	Procellariidae
	Margin	UL: Ross's goose, <i>Chen rossii</i>	Anatidae
		LL: Emperor Penguin, <i>Aptenodytes forsteri</i>	Spheniscidae

**2014 January 14** (Albert Schweitzer) (MS/2 & SS/1)**B**

N/A	550fr	Rosy Bee-eater, <i>Merops malimbicus</i>	Meropidae
N/A	SS 550fr	UL: Wood Warbler, <i>Phylloscopus sibilatrix</i>	Phylloscopidae
		LL: Palm-nut Vulture, <i>Gypohierax angolensis</i> (Cap: <i>Pypohierax</i> )	Accipitridae
		Bot: Copper Sunbird, <i>Cinnyris cupreus</i>	Nectariniidae
		UR: African Darter, <i>Anhinga rufa</i>	Anhingidae
		LR: Knob-billed Duck, <i>Sarkidiornis melanotos</i> (Cap: <i>Sarkidiornis</i> )	Anatidae

**CHINA (Taiwan)****2016 March 29** (Giuseppe Castiglione Paintings) (Set/8)**C**

4290	\$5	Barn Swallow, <i>Hirundo rustica</i>	Hirundinidae
4292	\$9	Common Rosefinch, <i>Carpodacus erythrinus</i>	Fringillidae
4294	\$10	Vinous-throated Parrotbill, <i>Paradoxornis webbianus</i>	Paradoxornithidae
4296	\$12	Yellow-billed Grosbeak, <i>Eophona migratoria</i>	Fringillidae

**CONGO DEMOCRATIC REPUBLIC (Kinshasa)**

This country seems to have an identity crisis problem. The Congo Democratic Republic changed its name to the Republic of Zaire in November 1971. The last issues assigned numbers for the country name Congo Democratic Republic were dated 24 October 1971, according to the 2017 Scott Stamp Catalogue. The first numbers assigned by Scott Publishing for stamps under Zaire were issues of 18 December 1971. The last Scott numbers assigned to issues of Zaire were for 10 December 2002.

All the issues listed below carry the country name Congo Democratic Republic and were issued after 10 December 2002, as were the issues listed in *Biophilately* Vol. 57(2) and Vol. 57(3). None of the issues listed in these two volumes and the ones listed below have had any numbers assigned by Scott Publishing.

In an email inquiry two years ago with the Editor of Scott Publishing, one of the reasons given was that the Congo Democratic Republic had been experiencing a lot of strife and no one at the postal administration kept a position long enough for Scott Publishing to get any reliable answers to what issues are valid and what might be "illegal."

[Ed. note: The current Congo D. R. stamps are printed with FC denominations. These initials stand for franc Communauté Financière d'Afrique (African Financial Community). There are two CFA franc currencies (West African and Central African). They are effectively interchangeable. The policy in *Biophilately* is to list them as francs with an "fr" abbreviation.]

**2007 November 21** (Baden-Powell) (MS/6 & SS/1)**A**

N/A	600fr	Eastern Screech-Owl, <i>Megascops asio</i>	Strigidae
N/A	600fr	Tawny Owl, <i>Strix aluco</i>	Strigidae
N/A	600fr	Great Horned Owl, <i>Bubo virginianus</i>	Strigidae
N/A	600fr	Spectacled Owl, <i>Pulsatrix perspicillata</i>	Strigidae
N/A	600fr	Papuan Hawk-Owl, <i>Uroglaux dimorpha</i>	Strigidae
N/A	600fr	Northern Saw-whet Owl, <i>Aegolius acadicus</i>	Strigidae

**CONGO DEMOCRATIC REPUBLIC** (continued)

N/A	SS 600fr	Tawny Owl, <i>Strix aluco</i>	Strigidae	
	Margin	LL: Eurasian Eagle-Owl, <i>Bubo bubo</i>	Strigidae	
		Bot: Crested Owl, <i>Lophostrix cristata</i>	Strigidae	
		UR: Pel's Fishing-Owl, <i>Scotopelia peli</i>	Strigidae	
<b>2007 November 21</b> (100th anniv. Boy Scouts) (MS/4)				<b>A</b>
N/A	480fr	African Wood-Owl, <i>Strix woodfordii</i>	Strigidae	
N/A	480fr	Fraser's Eagle-Owl, <i>Bubo poensis</i>	Strigidae	
N/A	480fr	African Wood-Owl, <i>Strix woodfordii</i>	Strigidae	
N/A	480fr	African Scops-Owl, <i>Otus senegalensis</i>	Strigidae	
<b>2011 May 18</b> (Birds of Prey) (SS/3 & 3ea SS/1)				<b>A</b>
N/A	900fr	Bateleur, <i>Terathopius ecaudatus</i>	Accipitridae	
N/A	900fr	Bald Eagle, <i>Haliaeetus leucocephalus</i>	Accipitridae	
N/A	900fr	Martial Eagle, <i>Polemaetus bellicosus</i>	Accipitridae	
	Margin	UR: Secretary-bird, <i>Sagittarius serpentarius</i>	Sagittariidae	
		MR: Bateleur, <i>Terathopius ecaudatus</i>	Accipitridae	
		MR: Short-toes Eagle, <i>Circaetus gallicus</i>	Accipitridae	
		LR: White-backed Vulture, <i>Gyps africanus</i>	Accipitridae	
N/A	SS 900fr	Bateleur, <i>Terathopius ecaudatus</i>	Accipitridae	
	Margin	LR: Bateleur, <i>Terathopius ecaudatus</i>	Accipitridae	
		LL: African Fish-Eagle, <i>Haliaeetus vocifer</i>	Accipitridae	
		(Cap: <i>Balaena mysticetus</i> , which is the Bowhead Whale)		
N/A	SS 900fr	Bald Eagle, <i>Haliaeetus leucocephalus</i>	Accipitridae	
	Margin	LL: White-backed Vulture, <i>Gyps africanus</i>	Accipitridae	
		LR: Short-toed Eagle, <i>Circaetus gallicus</i>	Accipitridae	
N/A	SS 900fr	Martial Eagle, <i>Polemaetus bellicosus</i>	Accipitridae	
	Margin	LL: Secretary-bird, <i>Sagittarius serpentarius</i>	Sagittariidae	
		LR: Bateleur, <i>Terathopius ecaudatus</i>	Accipitridae	
<b>2011 May 18</b> (Owls) (SS/3 & 3ea SS/1)				<b>A</b>
N/A	900fr	Pearl-spotted Owlet, <i>Glaucidium perlatum</i>	Strigidae	
N/A	900fr	African Grass-Owl, <i>Tyto capensis</i>	Tytonidae	
N/A	900fr	Spotted Eagle-Owl, <i>Bubo africanus</i>	Strigidae	
	Margin	Top & LR: African Grass-Owl, <i>Tyto capensis</i>	Tytonidae	
		UR: Pel's Fishing-Owl, <i>Scotopelia peli</i>	Strigidae	
		MR: Pearl-spotted Owlet, <i>Glaucidium perlatum</i>	Strigidae	
		MR: Spotted Eagle-Owl, <i>Bubo africanus</i>	Strigidae	
N/A	SS 900fr	Pearl-spotted Owlet, <i>Glaucidium perlatum</i>	Strigidae	
	Margin	LL: African Wood-Owl, <i>Strix woodfordii</i>	Strigidae	
		LR: African Barred-Owlet, <i>Glaucidium capense</i>	Strigidae	
N/A	SS 900fr	African Grass-Owl, <i>Tyto capense</i>	Tytonidae	
	Margin	LL: Barn Owl, <i>Tyto alba</i>	Tytonidae	
		LR: Madagascar Red Owl, <i>Tyto soumagnei</i>	Tytonidae	
N/A	SS 900fr	Spotted Eagle-Owl, <i>Bubo africanus</i>	Strigidae	
	Margin	LL: Pel's Fishing-Owl, <i>Scotopelia peli</i>	Strigidae	
		LR: African Scops-Owl, <i>Otus senegalensis</i>	Strigidae	
<b>2011 May 18</b> (Birds) (SS/3 & 3ea SS/1)				<b>A</b>
N/A	675fr	Lilac-breasted Roller, <i>Coracias caudatus</i>	Coraciidae	
N/A	675fr	White-browed Robin-Chat, <i>Cossypha heuglini</i>	Muscicapidae	
N/A	675fr	Fork-tailed Drongo, <i>Dicrurus adsimilis</i>	Dicruridae	

**CONGO DEMOCRATIC REPUBLIC** (continued)

	Margin	Top: Yellow-throated Longclaw, <i>Macronyx croceus</i>	Motacillidae
		UR: Black-collared Barbet, <i>Lybius torquatus</i>	Lybiidae
		MR: Red-collared Widowbird, <i>Euplectes ardens</i>	Ploceidae
		MR: U/I sp. (Cap: <i>Agaborins pullamus</i> )	
		LR: Grey-headed Bushshrike, <i>Malaconotus blanchoti</i>	Malaconotidae
N/A	SS 675fr	Lilac-breasted Roller, <i>Coracias caudatus</i>	Coraciidae
	Margin	LL: Eastern Yellow-billed Hornbill, <i>Tockus flavirostris</i>	Bucerotidae
		LR: Brown-hooded Kingfisher, <i>Halcyon albiventris</i>	Alcedinidae
N/A	SS 675fr	White-browed Robin-Chat, <i>Cossypha heuglini</i>	Muscicapidae
	Margin	LL: <i>Anaplectes rubriceps</i> (Cap: <i>Tisserin écarlate</i> )	Ploceidae
		LR: Northern Carmine Bee-eater, <i>Merops nubicus</i>	Meropidae
N/A	SS 675fr	Fork-tailed Drongo, <i>Dicrurus adsimilis</i>	Dicruridae
	Margin	LL: Hoopoe, <i>Upupa epops</i>	Upupidae
		LR: Little Bee-eater, <i>Merops pusillus</i>	Meropidae

**2012 October 22** (Parrots) (MS/4 & 4ea SS/1)**A**

Supposedly, a SS/1 exists for each of the four stamps, but I have not been able to locate them on any website.

N/A	850fr	Brown-necked Parrot, <i>Poicephalus robustus</i>	Psittacidae
N/A	850fr	Meyer's Parrot, <i>Poicephalus meyeri</i>	Psittacidae
N/A	850fr	Gray Parrot, <i>Psittacus erithacus</i>	Psittacidae
N/A	850fr	Red-fronted Parrot, <i>Poicephalus gulielmi</i>	Psittacidae
	Margin	MR: Red-fronted Parrot, <i>Poicephalus gulielmi</i>	Psittacidae
		UR: Brown-necked Parrot, <i>Poicephalus robustus fuscicollis</i>	Psittacidae

**2012 October 22** (Lovebirds & Parakeets) (MS/4 & 4ea SS/1)**A**

Supposedly, a SS/1 exists for each of the four stamps, but no examples have been seen.

N/A	720fr	Fischer's Lovebird, <i>Agapornis fischeri</i>	Psittaculidae
N/A	720fr	Black-cheeked Lovebird, <i>Agapornis nigrigenis</i>	Psittaculidae
N/A	720fr	Red-headed Lovebird, <i>Agapornis pullarius</i>	Psittaculidae
N/A	720fr	Rose-ringed Parakeet, <i>Psittacula krameri</i>	Psittaculidae
	Margin	UR: Rose-ringed Parakeet, <i>Psittacula eques</i>	Psittaculidae
		(The bird looks like a Rose-ringed Parakeet, but has a species name <i>eques</i> , which I do not find listed in Clements Checklist.) [Ed. note: According to Birdlife International, <i>P. eques</i> is the Mauritius Parakeet.]	

**2012 October 22** (Hornbills) (MS/4 & 4ea SS/1)**A**

Supposedly, a SS/1 exists for each of the four stamps, but no examples have been seen.

N/A	600fr	African Gray Hornbill, <i>Tockus nasutus</i>	Bucerotidae
N/A	600fr	White-thighed Hornbill, <i>Ceratogymna albotibialis</i>	Bucerotidae
N/A	600fr	Black-and-white-casqued Hornbill, <i>Ceratogymna subcylindrica</i>	Bucerotidae
		(Cap: <i>Ceratogymna bycanistes</i> )	
N/A	600fr	Red-billed Dwarf Hornbill, <i>Tockus camurus</i>	Bucerotidae
	Margin	Black-casqued Hornbill, <i>Ceratogymna atrata</i>	Bucerotidae

**2013 July 30** (Hérons) (MS/2, SS/2 & 2ea SS/1)**A**

N/A	500fr	Black-headed Heron, <i>Ardea melanocephala</i>	Ardeidae
N/A	500fr	Goliath Heron, <i>Ardea goliath</i>	Ardeidae
	1000fr	MS/2 (above)	
SS 1000fr	SS/2 (above)		
	Margin	L: Striated Heron, <i>Butorides striata</i>	Ardeidae
		R: Intermediate Egret, <i>Mesophoyx intermedia</i> (Cap: <i>Egretta i.</i> )	Ardeidae
		LR: Purple Heron, <i>Ardea purpurea</i>	Ardeidae

**CONGO DEMOCRATIC REPUBLIC** (continued)

N/A	SS 500fr	Black-headed Heron, <i>Ardea melanocephala</i>	Ardeidae
	Margin	UR & LR: Purple Heron, <i>Ardea purpurea</i>	Ardeidae
N/A	SS 500fr	Goliath Heron, <i>Ardea goliath</i>	Ardeidae
	Margin	R: Intermediate Egret, <i>Mesophoyx intermedia</i> (Cap: <i>Egretta i.</i> )	Ardeidae

**ECUADOR****2015 September 29** (150th anniv. ExpoAFE) (MS/25)**C**

2163a	75c	Resplendent Quetzal, <i>Pharomachrus mocinno</i>	Trogonidae
2163v	75c	Andean Cock-of-the-Rock, <i>Rupicola peruvianus</i>	Cotingidae
2163		MS/25 (Sc#2163a–y)	

**ESTONIA****2016 February 17** (Bird of the Year)**A**

807	65c	Great Tit, <i>Parus major</i>	Paridae
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**GERMANY****2016 March 1** (Juvenile Animals) (Set/2)**A**

2899	70c	Greylag Goose, <i>Anser anser</i> (goslings)	Anatidae
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**GUINEA-BISSAU**

Guinea-Bissau, a small African nation, obtained its independence on 10 September 1974. The population was estimated to be 1,250,000 in 1999. The currency for their stamps has varied from 100 centavos, which equaled 1 Escudo, to 100 centavos, which equaled 1 Peso, to 100 centimes which equaled 1 Franc.

The last issue assigned a Scott number was issued in September 2000, as per the 2017 Scott Stamp Catalogue. This is another country with an excessive stamp issuing policy, as Stamperija is their stamp issuing entity, generating more issues than needed or even used for their population size. Guinea-Bissau, since 2001 has issued 107 miniature sheets, most of them with four each, and some with six or eight stamps each, and 93 souvenir sheets.

[Ed. note: The current Guinea-Bissau stamps are printed with FCFA denominations. See note at Congo Democratic Republic. The policy in Biophilately is to list them as francs with an “fr” abbreviation.]

**2010 January 31** (Global Warming) (MS/5)**A**

N/A	800fr	Gentoo Penguin, <i>Pygoscelis papua</i>	Spheniscidae
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**2012 May 25** (Darwin & Dinosaurs) (MS/4)**B**

N/A	800fr	Archaeopteryx, <i>Archaeopteryx lithographica</i>	†Archaeopterygidae
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**2015 February 18** (Endangered Animals) (MS/4)**A**

N/A	800fr	Galapagos Penguin, <i>Spheniscus mendiculus</i>	Spheniscidae
N/A	800fr	Cattle Egret, <i>Bubulcus ibis</i> (with elephant)	Ardeidae

**2015 April 24** (Rhinoceroses) (MS/4)**A**

N/A	850fr	Cattle Egret, <i>Bubulcus ibis</i> (on rhino’s back)	Ardeidae
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**2015 May 26** (Water Birds) (MS/4)**A**

N/A	800fr	Common Snipe, <i>Gallinago gallinago</i>	Charadriidae
N/A	800fr	Gray Heron, <i>Ardea cinerea</i>	Ardeidae
N/A	800fr	Red-necked Phalarope, <i>Phalaropus lobatus</i>	Scolopacidae
N/A	800fr	Wattled Jacana, <i>Jacana jacana</i>	Jacanidae

**2015 September 25** (150th anniv. Lincoln Death) (MS/5)**B**

N/A	720fr	Bald Eagle, <i>Haliaeetus leucocephalus</i> (with Lincoln)	Accipitridae
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**2015 October 26** (Swifts) (MS/4)**A**

N/A	750fr	Common Swift, <i>Apus apus</i>	Apodidae
N/A	750fr	Pallid Swift, <i>Apus pallidus</i>	Apodidae
N/A	750fr	Mottled Spinetail, <i>Telacanthura ussheri</i>	Apodidae
N/A	750fr	Little Swift, <i>Apus affinis</i>	Apodidae
	Margin	MR: Common Swift, <i>Apus apus</i>	Apodidae
		ML: Mottled Spinetail, <i>Telacanthura ussheri</i>	Apodidae

<b>GUINEA-BISSAU</b> (continued)			<b>2015 October 26</b> (Osprey) (MS/4)	<b>A</b>
N/A	750fr	Osprey, <i>Pandion haliaetus</i> (flying left)	Pandionidae	
N/A	750fr	Same species (two in flight)	Pandionidae	
N/A	750fr	Same species (head facing left)	Pandionidae	
N/A	750fr	Same species (on nest with chicks)	Pandionidae	
	Margin	ML & MR: Same species (in flight)	Pandionidae	
			<b>2015 October 26</b> (Owls) (MS/4 & SS/1)	<b>A</b>
N/A	750fr	Barn Owl, <i>Tyto alba</i>	Tytonidae	
N/A	750fr	Pearl-spotted Owlet, <i>Glaucidium perlatum</i>	Strigidae	
N/A	750fr	Pel's Fishing-Owl, <i>Scotopelia peli</i>	Strigidae	
N/A	750fr	African Wood-Owl, <i>Strix woodfordii</i>	Strigidae	
N/A	SS 3000fr	Northern White-faced Owl, <i>Ptilopsis leucotis</i>	Strigidae	
	Margin	LR: Barn Owl, <i>Tyto alba</i>	Tytonidae	
		LL: African Scops-Owl, <i>Otus senegalensis</i>	Strigidae	
			<b>2015 October 26</b> (Storks) MS/4 & SS/1)	<b>A</b>
N/A	750fr	Black Stork, <i>Ciconia nigra</i>	Ciconiidae	
N/A	750fr	Marabou Stork, <i>Leptoptilos crumenifer</i>	Ciconiidae	
N/A	750fr	Saddle-billed Stork, <i>Ephippiorhynchus senegalensis</i>	Ciconiidae	
N/A	750fr	Yellow-billed Stork, <i>Mycteria ibis</i>	Ciconiidae	
N/A	SS 3000fr	Woolly-necked Stork, <i>Ciconia episcopus</i>	Ciconiidae	
	Margin	UL: Yellow-billed Stork, <i>Mycteria ibis</i>	Ciconiidae	
		MR: White Stork, <i>Ciconia ciconia</i>	Ciconiidae	
		LL: Woolly-necked Stork, <i>Ciconia episcopus</i>	Ciconiidae	
		LR: Black Stork, <i>Ciconia nigra</i>	Ciconiidae	
			<b>2015 December 19</b> (Lighthouses) (MS/4 & SS/1)	<b>B</b>
N/A	850fr	Rock Dove, <i>Columba livia</i>	Columbidae	
N/A	850fr	Black-headed Gull, <i>Chroicocephalus ridibundus</i>	Laridae	
N/A	SS 3000fr	U/I Gull species	Laridae	
			<b>2016 January 18</b> (Owls) (MS/6 & SS/1)	<b>A</b>
N/A	500fr	Bare-legged Owl, <i>Gymnoglaux lawrencii</i>	Strigidae	
N/A	500fr	Black-and-white Owl, <i>Ciccaba nigrolineata</i>	Strigidae	Vol. 65(2)
N/A	500fr	Long-eared Owl, <i>Asio otus</i> (Cap: <i>Asio abyssinicus</i> )	Strigidae	
N/A	500fr	Brown Fish-Owl, <i>Ketupa zeylonensis</i>	Strigidae	
N/A	500fr	African Barred Owlet, <i>Glaucidium capense</i>	Strigidae	
N/A	500fr	Eastern Screech-Owl, <i>Megascops asio</i>	Strigidae	
	Margin	Bot: Western Screech-Owl, <i>Megascops kennicottii</i>	Strigidae	
N/A	SS 3000fr	Madagascar Red Owl, <i>Tyto soumagnei</i>	Tytonidae	
	Margin	UR & LL: Verreaux's Eagle-Owl, <i>Bubo lacteus</i>	Strigidae	
			<b>2016 January 18</b> (African Fauna) (MS/6 & SS/1)	<b>A</b>
N/A	500fr	Yellow-billed Oxpecker, <i>Buphagus africanus</i> (with buffalo)	Buphagidae	
N/A	SS 3000fr	Bot: Great White Pelican, <i>Pelecanus onocrotalus</i>	Pelecanidae	
		Top: Greater Flamingo, <i>Phoenicopterus roseus</i>	Phoenicopteridae	
	Margin	UL: Great White Pelican, <i>Pelecanus onocrotalus</i>	Pelecanidae	
		UR: Greater Flamingo, <i>Phoenicopterus roseus</i>	Phoenicopteridae	
			<b>2016 April 16</b> (Birds of Prey) (MS/4 & SS/1)	<b>A</b>
N/A	750fr	Bald Eagle, <i>Haliaeetus leucocephalus</i>	Accipitridae	
NA	750fr	Eurasian Griffon Vulture, <i>Gyps fulvus</i>	Accipitridae	
N/A	750fr	White-headed Vulture, <i>Trigonoceps occipitalis</i>	Accipitridae	
N/A	750fr	African Fish-Eagle, <i>Haliaeetus vocifer</i>	Accipitridae	

**GUINEA-BISSAU** (continued)

	Margin	UR: Peregrine Falcon, <i>Falco peregrinus</i>	Falconidae	
N/A	SS 3000fr	Peregrine Falcon, <i>Falco peregrinus</i>	Falconidae	
	Margin	Top: African Fish-Eagle, <i>Haliaeetus vocifer</i>	Accipitridae	
<b>2016 June 27</b> (Water Birds) (MS/4)				<b>A</b>
N/A	750fr	Black Skimmer, <i>Rynchops niger</i>	Rynchopidae	
N/A	750fr	Great Crested Grebe, <i>Podiceps cristatus</i>	Podicipedidae	
N/A	750fr	Atlantic Puffin, <i>Fratercula arctica</i>	Alcidae	
N/A	750fr	Great White Pelican, <i>Pelecanus onocrotalus</i>	Pelecanidae	
	Margin	UL: Common Tern, <i>Sterna hirundo</i>	Laridae	
		UR: Blue-footed Booby, <i>Sula nebouxii</i>	Sulidae	
<b>2016 June 27</b> (Lighthouses) (MS/4 & SS/1)				<b>B</b>
N/A	825fr	Yellowhammer, <i>Emberiza citronella</i> (Corbiere Lighthouse)	Emberizidae	
N//A	825fr	U/I Gull species (Tourlitis Lighthouse)	Laridae	
N/A	825fr	Atlantic Puffin, <i>Fratercula arctica</i> (Kjeungskjaer Lighthouse)	Alcidae	
N/A	SS 3300fr	Black-headed Gull, <i>Chroicocephalus ridibundus</i>	Laridae	
<b>2016 September 28</b> (Birds of Prey) (MS/5) (Circular)				<b>A</b>
The stamps are half in a larger circular sheet and half outside the larger sheet, in a clockwise rotation. In between each stamp are four birds in the background of the sheet.				
N/A	600fr	Eurasian Marsh-Harrier, <i>Circus aeruginosus</i>	Accipitridae	
N/A	600fr	Black Kite, <i>Milvus migrans</i>	Accipitridae	
N/A	600fr	Pale Chanting Goshawk, <i>Melierax canorus</i>	Accipitridae	
N/A	600fr	Hooded Vulture, <i>Necrosyrtes monachus</i>	Accipitridae	
N/A	600fr	Tawny Eagle, <i>Aquila rapax</i>	Accipitridae	
	Margin	Top: Long-legged Buzzard, <i>Buteo rufinus</i>	Accipitridae	
		MR: Common Buzzard, <i>Buteo buteo</i>	Accipitridae	
		Bot: Lappet-faced Vulture, <i>Torgos tracheliotus</i>	Accipitridae	
		ML: Short-toed Eagle, <i>Circaetus gallicus</i>	Accipitridae	
N/A	SS 3000fr	Common Kestrel, <i>Falco tinnunculus</i>	Falconidae	
	Margin	Top: Eurasian Griffon, <i>Gyps fulvus</i>	Accipitridae	
		MR: Egyptian Vulture, <i>Neophron percnopterus</i>	Accipitridae	
		Bot: Golden Eagle, <i>Aquila chrysaetos</i>	Accipitridae	
		ML: Eurasian Sparrowhawk, <i>Accipiter nisus</i>	Accipitridae	
<b>2016 September 28</b> (Owls) (MS/5) (Circular-as above)				<b>A</b>
N/A	600fr	Barn Owl, <i>Tyto alba</i>	Tytonidae	
N/A	600fr	European Scops-Owl, <i>Otus scops</i>	Strigidae	
N/A	600fr	Pharaoh Eagle-Owl, <i>Bubo ascalaphus</i>	Strigidae	
N/A	600fr	Great Horned Owl, <i>Bubo virginianus</i>	Strigidae	
N/A	600fr	Burrowing Owl, <i>Athene cunicularia</i>	Strigidae	
	Margin	Top: Burrowing Owl, <i>Athene cunicularia</i>	Strigidae	
		MR: Burrowing Owl, <i>Athene cunicularia</i>	Strigidae	
		Bot: Barn Owl, <i>Tyto alba</i>	Tytonidae	
		ML: Great Horned Owl, <i>Bubo virginianus</i>	Strigidae	
N/A	SS 3000fr	Western Screech-Owl, <i>Megascops kennicottii</i>	Strigidae	
	Margin	Top: Burrowing Owl, <i>Athene cunicularia</i>	Tytonidae	
		MR: Pharaoh Eagle-Owl, <i>Bubo ascalaphus</i>	Strigidae	
		Bot: Pharaoh Eagle-Owl, <i>Bubo ascalaphus</i>	Strigidae	
		ML: Burrowing Owl, <i>Athene cunicularia</i>	Strigidae	

<b>ITALY</b>		<b>2015 October 15</b> (End of World War I Postcard Illustration) (s/a)		<b>B</b>
3338	95c	Golden Eagle, <i>Aquila chrysaetos</i>	Accipitridae	
<b>KAZAKHSTAN</b>		<b>2016 April 8</b> (Aksu-Zhabagly Nature Reserve) (SS/3)		<b>A</b>
767c	200te	Lammergeier, <i>Gypaetus barbatus</i>	Accipitridae	
<b>MALTA</b>		<b>2016 April 15</b> (WWF) (MS/4)		<b>A</b>
1559a	75c	Levantine Shearwater, <i>Puffinus yelkouan</i> (in flight to right)	Procellariidae	
1559b	75c	Same species (in flight to left)	Procellariidae	
1559c	75c	Same species (floating with wings raised)	Procellariidae	
1559d	75c	Same species (four birds floating)	Procellariidae	
1559	Margin	L: Same species (in flight)	Procellariidae	
<b>ST. VINCENT-GRENADINES</b>		<b>2015 December 31</b> (Ducks of the Caribbean) (2ea MS/4 & 2ea SS/1)		<b>A</b>
4019a	\$3.25	Common Merganser, <i>Mergus merganser</i>	Anatidae	
4019b	\$3.25	Bufflehead, <i>Bucephala albeola</i>	Anatidae	
4019c	\$3.25	Common Pochard, <i>Aythya ferina</i>	Anatidae	
4019d	\$3.25	Hooded Merganser, <i>Lophodytes cucullatus</i>	Anatidae	
4019	Margin	UL: U/I species		
4020a	\$3.25	Smew, <i>Mergellus albellus</i>	Anatidae	
4020b	\$3.25	Freckled Duck, <i>Stictonetta naevosa</i>	Anatidae	Vol. 65(1)
4020c	\$3.25	Surf Scoter, <i>Melanitta perspicillata</i>	Anatidae	
4020d	\$3.25	Canvasback, <i>Aythya valisineria</i>	Anatidae	
4020	Margin	Top: U/I species		
4021	SS \$10	Red-crested Pochard, <i>Netta rufina</i> (also in R margin)	Anatidae	
4022	SS \$10	Torrent Duck, <i>Merganetta armata</i>	Anatidae	
	Margin	L: U/I species		
		<b>2015 December 31</b> (Flamingos) (2ea MS/4, SS/2, & SS/1)		<b>A</b>
4023a	\$3.25	American Flamingo, <i>Phoenicopterus ruber</i> (two wading)	Phoenicopteridae	
4023b	\$3.25	Same species (multiple birds)	Phoenicopteridae	
4023c	\$3.25	Same species (two facing each other)	Phoenicopteridae	
4023d	\$3.25	Same species (head)	Phoenicopteridae	
4023	Margin	Bot: Same species (multiple birds)	Phoenicopteridae	
4024a	\$3.25	American Flamingo, <i>Phoenicopterus ruber</i> (one wading)	Phoenicopteridae	
4024b	\$3.25	Same species (head)	Phoenicopteridae	
4024c	\$3.25	Same species (two birds)	Phoenicopteridae	
4024d	\$3.25	Same species (one frontal view)	Phoenicopteridae	
4024	Margin	L: Same species (head)	Phoenicopteridae	
4025a	SS \$5	Same species (head facing right)	Phoenicopteridae	
4025b	SS \$5	Same species (head facing left)	Phoenicopteridae	
4026	SS \$10	Same species (also in L margin)	Phoenicopteridae	
		<b>2015 December 31</b> (Egrets) (Pair, MS/4, & 2ea SS/1)		<b>A</b>
4027a	\$3.15	Great Egret, <i>Ardea alba</i> (standing)	Ardeidae	
4027b	\$3.15	Same species (wings extended)	Ardeidae	
4028a	\$3.25	Great Egret, <i>Ardea alba</i> (taking flight)	Ardeidae	
4028b	\$3.25	Same species (in tree)	Ardeidae	
4028c	\$3.25	Same species (head)	Ardeidae	
4028d	\$3.25	Same species (in flight)	Ardeidae	
4029	SS \$10	Same species (adult)	Ardeidae	
	Margin	L: Same species (chick in nest)	Ardeidae	
4030	SS \$10	Same species (chick in nest)	Ardeidae	
	Margin	L: Same species (adult)	Ardeidae	

<b>SERBIA</b>		<b>2015 May 20</b> (European Nature Protection) (Set/2)		<b>C</b>
699	35d	Golden Eagle, <i>Aquila chrysaetos</i>	Accipitridae	
<b>SLOVENIA</b>		<b>2016 May 27</b> (Birds) (Set/5) (s/a)		<b>A</b>
1179	25c	Green Woodpecker, <i>Picus viridis</i>	Picidae	
1180	30c	European Honey-Buzzard, <i>Pernis apivorus</i>	Accipitridae	
1181	50c	Hazel Grouse, <i>Bonasa bonasia</i>	Phasianidae	
1182	75c	Firecrest, <i>Regulus ignicapillus</i>	Regulidae	
1183	€1	European Bee-eater, <i>Merops apiaster</i>	Meropidae	
<b>SOLOMON ISLANDS</b>		<b>2015 May 24</b> (Singapore 2015 World Stamp Exhibition) (MS/4)		<b>A</b>
1768a	\$5	Eastern Crimson Sunbird, <i>Aethopyga siparaja</i>	Nectariniidae	
		<b>2015 September 25</b> (Dogs) (MS/4)		<b>B</b>
1887d	\$12	Mallard, <i>Anas platyrhynchos</i> (in dog's mouth)	Anatidae	
		<b>2016 May 13</b> (Fauna) (4ea MS/4 & 4ea SS/1)		<b>A</b>
1984a	\$7	Emu, <i>Dromaius novaehollandiae</i> (head facing left)	Dromaiidae	
1984b	\$7	Same species (walking)	Dromaiidae	
1984c	\$7	Same species (neck turned left)	Dromaiidae	
1984d	\$7	Same species (head facing right)	Dromaiidae	
2009	SS \$35	Same species	Dromaiidae	
	Margin	Top: Same species	Dromaiidae	
1985a	\$7	Tawny Owl, <i>Strix aluco</i>	Strigidae	
1985b	\$7	Long-eared Owl, <i>Asio otus</i>	Strigidae	
1985c	\$7	Barn Owl, <i>Tyto alba</i>	Tytonidae	
1985d	\$7	Eastern Screech-Owl, <i>Megascops asio</i>	Strigidae	
2010	SS \$35	Spectacled Owl, <i>Pulsatrix perspicillata</i>	Strigidae	
	Margin	Top: Snowy Owl, <i>Bubo scandiacus</i>	Strigidae	
1986a	\$7	Common Kingfisher, <i>Alcedo atthis</i>	Alcedinidae	
1986b	\$7	Brown Pelican, <i>Pelecanus occidentalis</i>	Pelecanidae	
1986c	\$7	Gray Crowned-Crane, <i>Balearica regulorum</i>	Gruidae	
1986c	\$7	Pacific Gull, <i>Larus pacificus</i>	Laridae	(new)
2011	SS \$35	Saddle-billed Stork, <i>Ephippiorhynchus senegalensis</i>	Ciconiidae	
	Margin	Top: American Flamingo, <i>Phoenicopterus ruber</i>	Phoenicopteridae\	
1987a	\$7	Jackal Buzzard, <i>Buteo rufofuscus</i>	Accipitridae	
1987b	\$7	Imperial Eagle, <i>Aquila heliaca</i>	Accipitridae	
1987c	\$7	Osprey, <i>Pandion haliaetus</i>	Pandionidae	
1987d	\$7	Secretary-bird, <i>Sagittarius serpentarius</i>	Sagittariidae	
2012	SS \$35	Golden Eagle, <i>Aquila chrysaetos</i>	Accipitridae	
	Margin	Top: Great Philippine Eagle, <i>Pithecophaga jefferyi</i>	Accipitridae	
		<b>2016 May 13</b> (Endangered Animals) (MS/4)		<b>A</b>
1994d	\$7	African Penguin, <i>Spheniscus demersus</i>	Spheniscidae	
		<b>2016 May 13</b> (Fauna Stamps) (MS/4) (s-o-s)		<b>A</b>
1995a	\$7	Dalmatian Pelican, <i>Pelecanus crispus</i> (Romania Sc#3233)	Pelecanidae	
1995d	\$7	Broad-winged Hawk, <i>Buteo platypterus</i> (Grenada Sc#854)	Accipitridae	
<b>SRI LANKA</b>		<b>2016 February 2</b> (World Wetlands Day) (Set/4 & 4ea SS/1)		<b>A</b>
2005	7r	Fulvous Whistling-Duck, <i>Dendrocygna bicolor</i> (perf 13¼×12)	Anatidae	
2005a	SS 7r	SS/1 (in Anawilundawa Wildlife Sanctuary) (perf 13¼)		
	Margin	L: U/I Heron species		
2006	10r	Greater Flamingo, <i>Phoenicopterus roseus</i> (perf 13¼×12)	Phoenicopteridae	
2006a	SS 10r	SS/1 (in Chundikulam National Park) (perf 13¼)		
	Margin	LL: Caspian Tern, <i>Sterna caspia</i>	Laridae	

**SRI LANKA** (continued)

2007	35r	Indian Spot-billed Duck, <i>Anas poecilorhyncha</i> (perf 13¼×12)	Anatidae
2007a	SS 35r	SS/1 (in Vankalai Wildlife Sanctuary) (perf 13¼)	
	Margin	L: U/I Egret species	
2008	50r	Caspian Tern, <i>Sterna caspia</i> (perf 13¼×12)	Laridae
2008a	SS 50r	SS/1 (in Adam's Bridge National Park) (perf 13¼) (also in margin)	

**TOGO**

I last updated the issues of Togo in Vol. 65(3) on pages 135–38. Togo, as a country, has begun issuing more stamps, in my opinion, that their own population probably never sees or uses very little. Here are some facts on this small west-African nation. Togo, or Togolaise Republic as its official name, has a population of 5.1 million, according to 2005 United Nations data. It occupies 56,785 sq. km.

It has a per capita gross income of \$350, per the World Bank in 2006. Thirty-two percent of the population live below the poverty line. The monetary unit is the CFA (*Communauté Financière d'Afrique*) commonly called a Franc. One Franc equals 100 centimes.

Between 5 June 2010 and 20 May 2016, 87 miniature sheets of four stamps each, and 70 souvenir sheets depicting birds have been issued. Scott Publishing has not assigned numbers to any of these stamps and these only represent issues having birds. Issues for other subjects are unknown to me as I only write on the subject of birds on stamps. Whether Togo issues stamps in booklets or coil rolls of stamps for their general population, is also unknown.

The last listing of stamps for Togo per the 2017 Scott Stamp Catalogue was 6 March 2010. I have discontinued purchasing issues from Togo and twelve other countries that I feel are only being issued to soak collectors out of their money.

The following issues represent stamps issued subsequent to the date of my last listings and a number of issues prior to 31 December 2015, that this author was unaware if when reporting prior issues for *Biophilately*.

<b>2013 June 3</b> (Halley VI Antarctic Station) (MS/4)				<b>B</b>
N/A	750fr	South Polar Skua, <i>Stercorarius maccormicki</i>	Stercorariidae	
N/A	750fr	Emperor Penguin, <i>Aptenodytes forsteri</i>	Spheniscidae	
<b>2013 July 22</b> (Parrots) (MS/3 & SS/1)				<b>A</b>
N/A	900fr	Senegal Parrot, <i>Poicephalus senegalus</i>	Psittacidae	
N/A	900fr	Rose-ringed Parakeet, <i>Psittacula krameri</i>	Psittaculidae	
N/A	900fr	Gray Parrot, <i>Psittacula erithacus</i>	Psittacidae	
		Each of the above stamps exists in a SS/1		
N/A	SS 2500fr	Brown-necked Parrot, <i>Poicephalus robustus</i>	Psittacidae	
	Margin	L: Rose-ringed Parakeet, <i>Psittacula krameri</i>	Psittaculidae	
<b>2013 August 30</b> (Water Birds) (MS/3 & SS/1)				<b>A</b>
N/A	950fr	African Pygmy Goose, <i>Nettapus auritus</i>	Anatidae	
N/A	950fr	Little Grebe, <i>Tachybaptus ruficollis</i>	Podicipedidae	
N/A	950fr	Spur-winged Goose, <i>Plectropterus gambensis</i>	Anatidae	
N/A	SS 2500fr	Brown Booby, <i>Sula leucogaster</i>	Sulidae	
	Margin	LR: Cape Gannet, <i>Morus capensis</i>	Sulidae	
		LL: Comb Duck, <i>Sarkidiornis melanotos</i>	Anatidae	
<b>2013 August 30</b> (Secretary-bird) (MS/3 & SS/1)				<b>A</b>
N/A	950fr	Secretary-bird, <i>Sagittarius serpentarius</i> (facing right)	Sagittariidae	
N/A	950fr	Same species (two birds facing left)	Sagittariidae	
N/A	950fr	Same species (taking off)	Sagittariidae	
N/A	SS 2500fr	Secretary-bird, <i>Sagittarius serpentarius</i>	Sagittariidae	
	Margin	Bot: Same species	Sagittariidae	

<b>TOGO (continued)</b>		<b>2013 August 30 (Raptors) (MS/3 &amp; SS/1)</b>		<b>A</b>
N/A	950fr	Palm-nut Vulture, <i>Gypohierax angolensis</i>	Accipitridae	
N/A	950fr	Black-shouldered Kite, <i>Elanus caeruleus</i>	Accipitridae	
N/A	950fr	Common Buzzard, <i>Buteo buteo</i>	Accipitridae	
N/A	SS 2500fr	European Honey-Buzzard, <i>Pernis apivorus</i>	Accipitridae	
	Margin	LL: African Fish-Eagle, <i>Haliaeetus vocifer</i>	Accipitridae	
		LR: Black Kite, <i>Milvus migrans</i>	Accipitridae	
		<b>2013 December 5 (Rijksmuseum) (MS/4)</b>		<b>A</b>
N/A	750fr	Mute Swan, <i>Cygnus olor</i> (“Le Cygne Menacant” ptg by Jan Asselijn)	Anatidae	
		<b>2013 December 5 (Predators) (MS/4)</b>		<b>A</b>
N/A	750fr	Red-tailed Hawk, <i>Buteo jamaicensis</i> (feeding on a bird)	Accipitridae	
		<b>2014 December 14 (Dogs) (MS/4)</b>		<b>C</b>
N/A	750fr	Mallard, <i>Anas platyrhynchos</i> (in dog’s mouth with hunter)	Anatidae	
		<b>2014 December 14 (Nehru) (MS/4)</b>		<b>B</b>
N/A	750fr	Indian Peafowl, <i>Pavo cristatus</i> (with Louis Mountbatten)	Phasianidae	
		<b>2015 October 26 (Owls) (MS/4 &amp; SS/1)</b>		<b>A</b>
N/A	900fr	Ashy-faced Owl, <i>Tyto glaucops</i>	Tytonidae	
N/A	900fr	Collared Scops-Owl, <i>Otus lettia</i>	Strigidae	
N/A	900fr	Oriental Bay Owl, <i>Phodilus badius</i>	Tytonidae	
N/A	900fr	Lesser Sooty-Owl, <i>Tyto multipunctata</i>	Tytonidae	
N/A	SS 3200fr	Australian Masked-Owl, <i>Tyto novaehollandiae</i>	Tytonidae	
	Margin	R: Barn Owl, <i>Tyto alba</i>	Tytonidae	
		<b>2015 October 26 (150th anniv. Lincoln Death) (MS/4)</b>		<b>C</b>
N/A	900fr	Bald Eagle, <i>Haliaeetus leucocephalus</i>	Accipitridae	
		<b>2016 May 20 (Water Birds) (MS/4 &amp; SS/1)</b>		<b>A</b>
N/A	900fr	Belted Kingfisher, <i>Ceryle alcyon</i>	Alcedinidae	
N/A	900fr	Silver Gull, <i>Chroicocephalus novaehollandiae</i>	Laridae	
N/A	900fr	Tufted Puffin, <i>Fratercula cirrhata</i>	Alcidae	
N/A	900fr	American White Pelican, <i>Pelecanus erythrorhynchus</i>	Pelecanidae	
	Margin	UR: Northern Gannet, <i>Morus bassanus</i>	Sulidae	
		MR: Black-necked Stilt, <i>Himantopus mexicanus</i> ssp. <i>knudseni</i>	Recurvirostridae	
N/A	SS 3000fr	Shore Plover, <i>Thinornis novaeseelandiae</i>	Charadriidae	Vol. 65(3)
	Margin	R: Greater Flamingo, <i>Phoenicopterus roseus</i>	Phoenicopteridae	
		<b>2016 May 20 (Pigeons &amp; Doves) (MS/4 &amp; SS/1)</b>		<b>A</b>
N/A	900fr	Orange Dove, <i>Ptilinopus victor</i>	Columbidae	
N/A	900fr	Rock Pigeon, <i>Columba livia</i>	Columbidae	
N/A	900fr	White Dove, <i>Streptopelia risoria</i> ???	Columbidae	
N/A	900fr	Nicobar Pigeon, <i>Caloenas nicobarica</i>	Columbidae	
	Margin	UR & MR: Rock Pigeon, <i>Columba livia</i>	Columbidae	
N/A	SS 3000fr	European Turtle-Dove, <i>Streptopelia turtur</i>	Columbidae	
	Margin	Ctr: Jambu Fruit-Dove, <i>Ptilinopus jambu</i>	Columbidae	
		MR: Mariana Fruit-Dove, <i>Ptilinopus roseicapilla</i>	Columbidae	
		UR: Pink-headed Fruit-Dove, <i>Ptilinopus porphyreus</i>	Columbidae	
		UL: Eurasian Collared-Dove, <i>Streptopelia decaocto</i>	Columbidae	
		<b>2016 May 20 (Owls) (MS/4 &amp; SS/1)</b>		<b>A</b>
N/A	900fr	Great Gray Owl, <i>Strix nebulosa</i>	Strigidae	
N/A	900fr	Northern Hawk-Owl, <i>Surnia ulula</i>	Strigidae	
N/A	900fr	Little Owl, <i>Athene noctua</i>	Strigidae	

**TOGO** (continued)

N/A	900fr	Northern White-faced Owl, <i>Ptilopsis leucotis</i>	Strigidae	
	Margin	MR: Ural Owl, <i>Strix uralensis</i>	Strigidae	
		LL: Little Owl, <i>Athene noctua</i>	Strigidae	
N/A	SS 3000fr	Long-eared Owl, <i>Asio otus</i>	Strigidae	
	Margin	MR & LR: Little Owl, <i>Athene noctua</i>	Strigidae	
		Top: Long-eared Owl, <i>Asio otus</i>	Strigidae	
<b>2016 May 20</b> (Bee-eaters) (MS/4 & SS/1)				<b>A</b>
N/A	900fr	L: European Bee-eater, <i>Merops apiaster</i>	Meropidae	
		R: Blue-cheeked Bee-eater, <i>Merops persicus</i>	Meropidae	
N/A	900fr	Southern Carmine Bee-eater, <i>Merops nubicoides</i>	Meropidae	
N/A	900fr	White-throated Bee-eater, <i>Merops albicollis</i>	Meropidae	
N/A	900fr	Blue-throated Bee-eater, <i>Merops viridis</i>	Meropidae	
	Margin	R: Southern Carmine Bee-eater, <i>Merops nubicoides</i>	Meropidae	
N/A	SS 3000fr	Top: Rainbow Bee-eater, <i>Merops ornatus</i>	Meropidae	
		Bot: Chestnut-headed Bee-eater, <i>Merops leschenaultia</i>	Meropidae	
	Margin	Top: Northern Carmine Bee-eater, <i>Merops nubicus</i>	Meropidae	
		Ctr: Purple-bearded Bee-eater, <i>Meropogon forsteni</i>	Meropidae	(new)
		MR: European Bee-eater, <i>Merops apiaster</i>	Meropidae	

**TRINIDAD & TOBAGO****2012** (Birds)**A**888A \$1 Channel-billed Toucan, *Ramphastos vitellinus* (Sc#515 surch) Ramphastidae**UNITED STATES****2016 August 2** (Pets) (Bklt/20) (s/a)**A**5115 (47c) Blue-and-yellow-Macaw, *Ara ararauna* Psittacidae5124 (47c) White-winged Parakeet, *Brotogeris versicolurus* Psittacidae

5125a Bklt/20 (Sc#5106–25)

**2016 August 4** (Songbirds in Snow) (Block/4 & Bklt/20) (s/a)**A**5126 (47c) Golden-crowned Kinglet, *Regulus satrapa* Regulidae5127 (47c) Cedar Waxwing, *Bombycilla cedrorum* Bombycillidae5128 (47c) Northern Cardinal, *Cardinalis cardinalis* Cardinalidae5129 (47c) Red-breasted Nuthatch, *Sitta canadensis* Sittidae Vol. 65(3)

5129a Block/4 (Sc#5126–29)

5129b Bklt/20 (5ea Sc#5126–29)

**ZAMBIA****2014 May 2** (Birds)**A**1178 2.50k Blacksmith Plover, *Vanellus armatus* (Sc#928 surch) Charadriidae1179 2.50k Sacred Ibis, *Threskiornis aethiopicus* (Sc#929 surch) Threskiornithidae

## CLEMENTS 2016 UPDATE

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

The Clements 2016 taxonomic update was released by Cornell University in August. Changes ranged from adding and deleting orders to minor typographic corrections. The table below shows the revised order of the 237 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).

One new order is added (Opisthocomiformes), but Apodiformes is merged with Caprimulgiformes. Therefore, the total number of orders remains unchanged, at 39 extant orders. Two families are lost: Dromaiidae (Emus) merged into Casuariidae (Cassowaries), and Pelecanoididae (Diving-Petrels) is merged into Procellariidae (Shearwaters and Petrels). On the other hand, five new families are added this year: Eulacestomatidae (Ploughbill), Falcunculidae (Shrike-tit), Rhagologidae (Mottled Berryhunter), Ifridae (Ifrita), and Melampittidae (Melampittas).

No.	Family	Members	No.	Family	Members
	<b>STRUTHIONIFORMES</b> (1)			<b>CICONIIFORMES</b> (1)	
1	Struthionidae	Ostrich (2)	22	Ciconiidae	Storks (19)
	<b>RHEIFORMES</b> (1)			<b>SULIFORMES</b> (4)	
2	Rheidae	Rheas (2)	23	Fregatidae	Frigatebirds (5)
	<b>TINAMIFORMES</b> (1)		24	Sulidae	Boobies & Gannets (10)
3	Tinamidae	Tinamous (47)	25	Phalacrocoracidae	Cormorants & Shags (40)
	<b>CASUARIIFORMES</b> (2)		26	Anhingidae	Anhingas (4)
4	Casuariidae	Cassowaries & Emu (4)		<b>PELECANIFORMES</b> (5)	
	<b>APTERYGIFORMES</b> (1)		27	Pelecanidae	Pelicans (8)
5	Apterygidae	Kiwis (5)	28	Balaenicipitidae	Shoebill (1)
	<b>ANSERIFORMES</b> (3)		29	Scopidae	Hamerkop (1)
6	Anhimidae	Screamers (3)	30	Ardeidae	Hérons, Egrets, & Bitterns (64)
7	Anseranatidae	Magpie Goose (1)	31	Threskiornithidae	Ibises & Spoonbills (34)
8	Anatidae	Ducks, Geese, & Waterfowl (164)		<b>ACCIPITRIFORMES</b> (4)	
	<b>GALLIFORMES</b> (5)		32	Cathartidae	New World Vultures (7)
9	Megapodiidae	Megapodes (22)	33	Sagittariidae	Secretary-bird (1)
10	Cracidae	Guans, Chachalacas, & Curassows (54)	34	Pandionidae	Osprey (1)
11	Numididae	Guineafowl (6)	35	Accipitridae	Hawks, Eagles, & Kites (246)
12	Odontophoridae	New World Quail (33)		<b>OTIDIFORMES</b> (1)	
13	Phasianidae	Pheasants, Grouse, & Allies (174)	36	Otididae	Bustards (26)
	<b>GAVIIFORMES</b> (1)			<b>MESITORNITHIFORMES</b> (1)	
14	Gaviidae	Loons (5)	37	Mesitornithidae	Mesites (3)
	<b>PODICIPEDIFORMES</b> (1)			<b>EURYPYGIFORMES</b> (2)	
15	Podicipedidae	Grebes (22)	38	Rhynochetidae	Kagu (1)
	<b>PHOENICOPTERIFORMES</b> (1)		39		Eurypygidae
16	Phoenicopteridae	Flamingos (6)		<b>GRUIFORMES</b> (6)	
	<b>SPHENISCIFORMES</b> (1)		40	Rallidae	Rails, Gallinules, & Coots (144)
17	Spheniscidae	Penguins (18)	41	Sarothruridae	Flufftails (12)
	<b>PROCELLARIIFORMES</b> (4)		42	Heliornithidae	Finfoots (3)
18	Diomedeidae	Albatrosses (15)	43	Aramidae	Limpkin (1)
19	Procellariidae	Shearwaters & Petrels (92)	44	Psophiidae	Trumpeters (3)
20	Hydrobatidae	Storm-Petrels (27)	45	Gruidae	Cranes (15)
	<b>PHAETHONTIFORMES</b> (1)			<b>CHARADRIIFORMES</b> (19)	
21	Phaethontidae	Tropicbirds (3)	46	Chionidae	Sheathbills (2)

No.	Family	Members	No.	Family	Members
	<b>CHARADRIIFORMES</b> (continued)			<b>BUCEROTIFORMES</b> (continued)	
47	Pluvianellidae	Magellanic Plover (1)	84	Phoeniculidae	Woodhoopoes & Scimitar-bills (8)
48	Burhinidae	Thick-knees (10)	85	Bucorvidae	Ground-Hornbills (2)
49	Pluvianidae	Egyptian Plover (1)	86	Bucerotidae	Hornbills (59)
50	Recurvirostridae	Stilts & Avocets (9)		<b>CORACIIFORMES</b> (6)	
51	Ibidorhynchidae	Ibisbill (1)	87	Todidae	Todies (5)
52	Haematopodidae	Oystercatchers (12)	88	Momotidae	Motmots (13)
53	Charadriidae	Plovers & Lapwings (67)	89	Alcedinidae	Kingfishers (117)
54	Pedionomidae	Plains-wanderer (1)	90	Meropidae	Bee-eaters (28)
55	Thinocoridae	Seedsnipes (4)	91	Coraciidae	Rollers (12)
56	Rostratulidae	Painted-Snipes (3)	92	Brachypteraciidae	Ground-Rollers (5)
57	Jacanidae	Jacanas (8)		<b>GALBULIFORMES</b> (2)	
58	Scolopacidae	Sandpipers & Allies (97)	93	Bucconidae	Puffbirds (36)
59	Turnicidae	Buttonquail (16)	94	Galbulidae	Jacamars (18)
60	Dromadidae	Crab Plover (1)		<b>PICIFORMES</b> (7)	
61	Glareolidae	Pratincoles & Coursers (17)	95	Lybiidae	African Barbets (42)
62	Stercorariidae	Skuas & Jaegers (7)	96	Megalaimidae	Asian Barbets (34)
63	Alcidae	Auks, Murres, & Puffins (25)	97	Capitonidae	New World Barbets (14)
64	Laridae	Gulls, Terns, & Skimmers (99)	98	Semnornithidae	Toucan-Barbets (2)
	<b>PTEROCLIFORMES</b> (1)		99	Ramphastidae	Toucans (35)
65	Pteroclididae	Sandgrouse (16)	100	Indicatoridae	Honeyguides (17)
	<b>COLUMBIFORMES</b> (1)		101	Picidae	Woodpeckers (230)
66	Columbidae	Pigeons & Doves (338)		<b>CARIAMIFORMES</b> (1)	
	<b>OPISTHOCOMIFORMES</b> (1) (new)		102	Cariamidae	Seriemas (2)
67	Opisthocomidae	Hoatzin (1)		<b>FALCONIFORMES</b> (1)	
	<b>CUCULIFORMES</b> (2)		103	Falconidae	Falcons & Caracaras (65)
66	Musophagidae	Turacos (23)		<b>PSITTACIFORMES</b> (4)	
69	Cuculidae	Cuckoos (146)	104	Strigopidae	New Zealand Parrots (4)
	<b>STRIGIFORMES</b> (2)		105	Cacatuidae	Cockatoos (21)
70	Tytonidae	Barn-Owls (18)	106	Psittaculidae	Old World Parrots (179)
71	Strigidae	Owls (207)	107	Psittacidae	New World & African Parrots (168)
	<b>CAPRIMULGIFORMES</b> (8)			<b>PASSERIFORMES</b> (131)	
72	Podargidae	Frogmouths (15)	108	Acanthisittidae	New Zealand Wrens (4)
73	Caprimulgidae	Nightjars & Allies (98)	109	Calyptomenidae	African & Green Broadbills (6)
74	Nyctibiidae	Potoos (7)	110	Eurylaimidae	Asian & Grauer's Broadbills (9)
75	Steatornithidae	Oilbird (1)	111	Sapayoidae	Sapayoa (1)
76	Aegothelidae	Owlet-Nightjars (10)	112	Philepittidae	Asities (4)
77	Apodidae	Swifts (105)	113	Pittidae	Pittas (49)
78	Hemiprocnidae	Treeswifts (4)	114	Thamnophilidae	Typical Antbirds (234)
79	Trochilidae	Hummingbirds (343)	115	Melanopareidae	Crescentchests (4)
	<b>COLIIFORMES</b> (1)		116	Conopophagidae	Gnateaters (11)
80	Coliidae	Mousebirds (6)	117	Grallariidae	Antpittas (53)
	<b>LEPTOSOMIFORMES</b> (1)		118	Rhinocryptidae	Tapaculos (59)
81	Leptosomidae	Cuckoo-Roller (1)	119	Formicariidae	Antthrushes (11)
	<b>TROGONIFORMES</b> (1)		120	Furnariidae	Ovenbirds & Woodcreepers (303)
82	Trogonidae	Trogons (44)	121	Tyrannidae	Tyrant Flycatchers (419)
	<b>BUCEROTIFORMES</b> (4)		122	Oxyruncidae	Sharpbill (1)
83	Upupidae	Hoopoes (2)			

No.	Family	Members	No.	Family	Members
	<b>PASSERIFORMES</b> (continued)			<b>PASSERIFORMES</b> (continued)	
123	Cotingidae	Cotingas (66)	170	<b>Melampittidae</b>	<b>Melampittas (2)</b>
124	Pipridae	Manakins (54)	171	Petroicidae	Australasian Robins (47)
125	Tityridae	Tityras & Allies (33)	172	Picathartidae	Rockfowl (2)
126	Menuridae	Lyrebirds (2)	173	Chaetopidae	Rockjumpers (2)
127	Atrichornithidae	Scrub-birds (2)	174	Eupetidae	Rail-babbler (1)
128	Ptilonorhynchidae	Bowerbirds <b>(26)</b>	175	Panuridae	Bearded Reedling (1)
129	Climacteridae	Australasian Treecreepers (7)	176	Nicatoridae	Nicators (3)
130	Maluridae	Fairywrens <b>(32)</b>	177	Alaudidae	Larks <b>(97)</b>
131	Meliphagidae	Honeyeaters (184)	178	Hirundinidae	Swallows (86)
132	Dasyornithidae	Bristlebirds (3)	179	Stenostiridae	Fairy Flycatchers (9)
133	Pardalotidae	Pardalotes (4)	180	Paridae	Tits, Chickadees & Titmice <b>(63)</b>
134	Acanthizidae	Thornbills & Allies (64)	181	Remizidae	Penduline-Tits (11)
135	Pomatostomidae	Pseudo-Babblers (5)	182	Aegithalidae	Long-tailed Tits (11)
136	Orthonychidae	Logrunners (3)	183	Sittidae	Nuthatches (27)
137	Cnemophilidae	Satinbirds (3)	184	Tichodromidae	Wallcreeper (1)
138	Melanocharitidae	Berrypeckers & Longbills (10)	185	Certhiidae	Treecreepers (11)
139	Mohouidae	Whiteheads (3)	186	Troglodytidae	Wrens <b>(85)</b>
140	Paramythiidae	Tit & Crested Berrypeckers (2)	187	Poliotilidae	Gnatcatchers (15)
141	Callaeidae	Wattlebirds (5)	188	Cinclidae	Dippers (5)
142	Notiomystidae	Stitchbird (1)	189	Pycnonotidae	Bulbuls (141)
143	Psophodidae	Whipbirds & Wedgebills (5)	190	Regulidae	Kinglets (6)
144	Cinclosomatidae	Quail-thrushes & Jewel-babblers (11)	191	Pnoepygidae	Cupwings (5)
145	Platysteiridae	Wattle-eyes & Batises (30)	192	Macrosphenidae	African Warblers (21)
146	Vangidae	Vangas (39)	193	Cettiidae	Bush-Warblers & Allies (36)
147	Malaconotidae	Bushshrikes & Allies (49)	194	Phylloscopidae	Leaf-Warblers (76)
148	Machaerirhynchidae	Boatbills (2)	195	Acrocephalidae	Reed-Warblers & Allies (61)
149	Artamidae	Woodswallows (11)	196	Locustellidae	Grassbirds & Allies (61)
150	Cracticidae	Bellmagpies & Allies (13)	197	Donacobiidae	Donacobius (1)
151	Pityriaseidae	Bristlehead (1)	198	Bernieridae	Malagasy Warblers (11)
152	Aegithinidae	Ioras (4)	199	Cisticolidae	Cisticolas & Allies (147)
153	Campephagidae	Cuckooshrikes (87)	200	Sylviidae	Sylviid Warblers (33)
154	Neosittidae	Sittellas (2)	201	Paradoxornithidae	Parrotbills, Wrenit, & Allies (36)
155	<b>Eulacestomatidae</b>	<b>Ploughbill (1) (new)</b>	202	Zosteropidae	Yuhinas, White-eyes, & Allies (129)
156	<b>Falcunculidae</b>	<b>Shrike-tit (1) (new)</b>	203	Timaliidae	Tree- & Scimitar-Babblers & Allies (52)
157	Pachycephalidae	Whistlers & Allies <b>(56)</b>	204	Pellorneidae	Ground Babblers & Allies (56)
158	<b>Rhagologidae</b>	<b>Mottled Berryhunter (1)</b>	205	Leiothrichidae	Laughingthrushes & Allies (144)
159	Oreoicidae	Australo-Papuan Bellbirds (3)	206	Promeropidae	Sugarbirds (5)
160	Laniidae	Shrikes (32)	207	Irenidae	Fairy-bluebirds (2)
161	Vireonidae	Vireos, Shrike-Babblers, & Erpornis (62)	208	Hylotiidae	Hyliotas (4)
162	Oriolidae	Old World Orioles (35)	209	Muscicapidae	Old World Flycatchers (315)
163	Dicruridae	Drongos (25)	210	Turdidae	Thrushes & Allies <b>(168)</b>
164	Rhipiduridae	Fantails (50)	211	Mimidae	Mockingbirds & Thrashers (34)
165	<b>Ifridae</b>	<b>Ifrita (1)</b>	212	Sturnidae	Starlings (122)
166	Monarchidae	Monarch Flycatchers (100)	213	Buphagidae	Oxpeckers (2)
167	Corvidae	Crows, Jays, & Magpies <b>(125)</b>	214	Chloropseidae	Leafbirds (11)
168	Corcoracidae	White-winged Chough & Apostlebird (2)	215	Dicaeidae	Flowerpeckers (47)
169	Paradisaeidae	Birds-of-paradise <b>(39)</b>	216	Nectariniidae	Sunbirds & Spiderhunters (140)

No.	Family	Members	No.	Family	Members
	PASSERIFORMES (continued)			PASSERIFORMES (continued)	
217	Prunellidae	Accentors (13)	228	Calcariidae	Longspurs & Snow Buntings (6)
218	Motacillidae	Wagtails & Pipits (66)	229	Parulidae	New World Warblers (116)
219	Urocynchramidae	Przevalski's Pinktail (1)	230	Thraupidae	Tanagers & Allies (386)
220	Elachuridae	Spotted Elachura (1)	231	Emberizidae	Buntings & New World Sparrows (172)
221	Bombycillidae	Waxwings (3)	232	Cardinalidae	Cardinals & Allies (48)
222	[Mohoidae]	Hawaiian Honeyeaters (5) [extinct]	233	Icteridae	Troupials & Allies (105)
223	Ptiligonatidae	Silky-flycatchers (4)	234	Fringillidae	Finches, Euphonias, & Allies (224)
224	Duidae	Palmchat (1)	235	Passeridae	Old World Sparrows (42)
225	Hylocitreidae	Hylocitrea (1)	236	Ploceidae	Weavers & Allies (116)
226	Hypocoliidae	Hypocolius (1)	237	Estrildidae	Waxbills & Allies (140)
227	Peucedramidae	Olive Warbler (1)	238	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. 2016. *The eBird/Clements checklist of birds of the world: Version 2016*. Downloaded from <http://www.birds.cornell.edu/clementschecklist/download/>

### Changes Affecting Birds on Stamps

The Emerald Dove has been split into two species: Asian Emerald Dove, *Chalcophaga indica*, with issues from Bangladesh, Christmas Island, and Malaysia, and Pacific Emerald Dove, *Chalcophaga longirostris*, with issues from Guinea-Bissau, New Caledonia, and Vanuatu.

The Crimson-crowned Fruit-Dove has been split into three species, two of which are on stamps: Crimson-crowned Fruit-Dove, *Ptilinopus porphyraceus*, with issues from Fiji, Micronesia, and Niue, and Purple-capped Fruit-Dove, *Ptilinopus ponapensis*, with issues from Marshall Islands.

Change Yellowbill to Blue Malkoha.

Change Green Violetear to Lesser Violetear.

The Blue-crested Flycatcher has been split into two species: Azure-crested Flycatcher, *Myiagra azureocapilla*, with issues from Fiji, and Chestnut-throated Flycatcher, *Myiagra castaneigularis*, with issues from Aitutaki.

The Barbary Falcon is lumped with Peregrine Falcon. The Port Lincoln Parrot is lumped with Mallee Ringneck

## NEW BIRDS IN THE PHILATELIC AVIARY

Charles E. Braun, BU1364

### New Birds



**CONFUCIUSORNIS**, *Confuciusornis* sp. Confuciusornithidae  
St. Thomas & Prince, 2016 December 9, not yet cataloged, 31000d

Length: 20 inches, resident. An extinct species from 125 to 120 million years BCE. A red, brown, gray, and white bird with a long double tail and a toothless beak. Six species are known.

Habitat: Near water.

Range: Liaoning Province, China.

References: Wikipedia and Encyclopedia Britannica 2009.



**AUSTRALIAN KITE**, *Elanus axillaris* Accipitridae  
St. Thomas and Prince, 2016 December 9, not yet cataloged, 31000d

Length: 13 to 15 inches, sexes similar, but the female is larger, resident. Gray above and white below with black shoulders, white head, and black eye-patch.

Habitat: Grasslands and sparsely wooded areas.

Range: Australia.

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



**HANDSOME FRANCOLIN**, *Francolinus nobilis* Phasianidae (Cap: *Pternistis nobilis*)  
Sierra Leone, 2016 May 27, not yet cataloged, 6000Le

Length: 14 inches, sexes similar, but the female is smaller and duller, resident. Dark above and dark rufous below with a bare red patch around the eyes.

Habitat: Montane forest, alpine heath, and bamboo.

Range: Southwestern Uganda to eastern Zaire.

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



**WILSON'S SNIFE**, *Gallinago delicata* Scolopacidae  
Caribbean Netherlands, 2016 September 15, not yet cataloged, 88c

Length: 10 inches, sexes alike, migratory. Brown above and barred white below with a striped head.

Habitat: Open fresh or brackish marshland and grassy areas near water.

Range: Breeds in Alaska, Canada, and the United States. Winters from the southern United States to the West Indies and Colombia.

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



**PACIFIC GULL** *Larus pacificus* Laridae  
Solomon Islands, 2016 May 13, not yet cataloged, \$7

Length: 23 to 26 inches, sexes alike, resident. Black above and white below with a white head and neck and a red-tipped yellow bill.

Habitat: Coasts.

Range: Western and southern Australia and Tasmania.

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



**PACIFIC EMERALD DOVE**, *Chalcophaps longirostris* Columbidae  
Vanuatu, 1981 February 18, Sc#301, 20f

Length: 9 to 11 inches, resident. The male (shown) is green above and purplish below with a purplish head and neck, blackish rump, and a blue-gray crown and nape. The female is duller and has a brown rump.

Habitat: Forest, thickets, and plantations.

Range: Northern Australia, New Caledonia, and Vanuatu.

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



**PURPLE-CAPPED FRUIT-DOVE**, *Ptilinopus ponapensis* Columbidae  
Marshall Islands, 1999 September 16, Sc#710, \$1.20

Length: 9 inches, sexes alike, resident. Dark green above and greenish gray below and head and neck with a purple forehead.

Habitat: Forest, scrub, and farms

Range: Chuuk and Pohnpei, Caroline Islands.

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



**ASIAN EMERALD CUCKOO**, *Chrysococcyx maculatus* Cuculidae  
Sierra Leone, 2016 January 28, not yet cataloged, 6000Le (Cap: *C. cupreus*)

Length: 7 inches, migratory. The male is green with a green-barred white belly; the female (shown) is green with a light rufous crown and nape and barred pale throat. Habitat: Dense forest.

Range: Breeds from central China to the Andaman Islands and central Vietnam.

Winters from southern China to Malaysia.

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

This set also includes a stamp labeled *Cacomantis merulinus*, Plaintive Cuckoo, which would be a new species, but the illustration shows a different bird, unidentified, but definitely not a cuckoo.



**COPPERY-HEADED EMERALD, *Elvira cupreiceps*** Trochilidae  
Guinea, 2015 March 20, not yet cataloged, MS/4 LL margin

Length: 3 inches, resident. The male (shown) is green with a coppery-bronze crown and tail and white outer tail. The female has a green crown.

Habitat: Highlands.

Range: Northern and central Costa Rica.

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



**WHITE-THROATED MOUNTAIN-GEM, *Lampornis castaneoventris*** Trochilidae  
Guinea, 2015 March 20, not yet cataloged, 15000fr

Length: 4 inches, resident. The male (shown) is green with a white throat and stripe behind the eye. The female is cinnamon below.

Habitat: Wet subtropical forest.

Range: Extreme western Panama.

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



**PALAWAN HORNBILL, *Anthracoceros marchei*** Bucerotidae  
Guinea, 2016 July 18, not yet cataloged, 10000fr

Length: 22 inches, resident. The male (shown) is black with a white throat and tail and a yellow casque. The female is smaller and gray in place of black.

Habitat: Evergreen forest and mangroves.

Range; Palawan, Balabac, and Calamian Islands, Philippines.

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



**BROWN-CAPPED PARADISE KINGFISHER, *Tanysiptera danae*** Alcedinidae  
Guinea, 2016 July 18, not yet cataloged, 1000fr

Length: 11 to 12 inches, sexes similar, resident. Rufous-brown above and deep pink below with blue wings and tail and a bright pink rump.

Habitat: Dense primary forest.

Range: New Guinea.

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



**PURPLE-HEADED BEE-EATER, *Meropogon ni*** Meropidae

Togo, 2016 May 20, not yet cataloged, SS 3000fr R margin

(Cap: *Meropogon forsteni*)

Length: 10 inches, sexes similar, resident. Green above and purple below with a purple head and a dull russet undertail.

Habitat: Humid forest.

Range: Sulawesi, Indonesia

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



**ANDAMAN WOODPECKER, *Dryocopus hodgei*** Picidae

India, 2016 October 17, not yet cataloged, 15r

Length; 15 inches, resident. The male (shown) is black with a red forehead, crest and malar area. The female has only a red hindcrown and crest.

Habitat: Lowland tall evergreen forest.

Range: Andaman Islands, India.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. Handbook of the Birds of the World, Volume 10.



**BROWN LORY, *Chalcopsitta duivenbodei*** Psittaculidae

St. Thomas & Prince, 2014 October 15, Sc#2762d, 25000d

(Cap: *Pseudeos fuscata*)

Length: 12 inches, sexes alike, resident. Warm brown with a black bill and a yellow face.

Habitat: Lowland tall secondary forest.

Range: Northern New Guinea.

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



**PILEATED PARROT, *Pionopsitta pileata*** Psittacidae

St. Martin, 2016 January 6, not yet cataloged, 500c

Length: 9 inches, resident. The male (shown) is green with a red crown, forehead, lores, and upper ear coverts. The female lacks the red and has a bluish wash behind the eye.

Habitat: Humid foothill forest.

Range: Southeastern Brazil and adjacent Argentina and Paraguay.

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



**CATTLE TYRANT, *Machetornis rixosa*** Tyrannidae  
Guyana, 2016 February 20, not yet cataloged, \$250

Length: 8 inches, sexes similar, resident. Brown above band yellow below with a grayish crown and black eye-stripe.

Habitat: Drier open areas.

Range: Eastern Panama to northern Argentina,

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. Handbook of the Birds of the World, Volume 9.



**BLACK-AND RUFOUS FLYCATCHER, *Ficedula nigrorufa*** Muscicapidae  
India, 2016 October 17, not yet cataloged, 25r

Length: 5 inches, sexes similar, but the female is duller, resident. Orange-rufous with a black head and wings.

Habitat: Forest undergrowth and thickets.

Range: Southwestern Ghats in southwestern India.

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



**NILGIRI FLYCATCHER, *Eumyias albicaudatus*** Muscicapidae  
India, 2016 October 17, not yet cataloged, 10r

Length: 6 inches, resident. The male (shown) is deep indigo blue, paler below and over the eye. The female is dull brown above and pale gray below.

Habitat: Evergreen forest and woodlands, clearings, and vegetation along streams.

Range: Southwestern Ghats in southwestern India.

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



**JAPANESE ROBIN, *Larvivora akahige*** Turdidae  
Japan, 2016 September 23, not yet cataloged, 82¥

Length: 6 inches, migratory. The male (shown) is olive-tinged fulvous-brown above and whitish below with an orange-rufous face and throat, black breast band, and grayish sides. The female is duller and lacks the breast band.

Habitat: Damp, dense, shady undergrowth along forest streams.

Range: Breeds on Sakhalin and in Japan. Winters in southeastern China and Taiwan.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. Handbook of the Birds of the World, Volume 10.



**WATER PIPIT, *Anthus spinoletta*** Motacillidae  
Romania, 2016 September 1, not yet cataloged, 1.70L

Length: 6 to 7 inches, sexes similar, migratory. Grayish brown above and pale pinkish-buff below with a whitish supercilium and belly.

Habitat: Breeds in alpine pastures and mountain meadows. Winters around lakes, coasts, rivers, and rice fields.

Range: Breeds in mountains from southern Europe to central China. Winters from Morocco to southern China.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. Handbook of the Birds of the World, Volume 9.



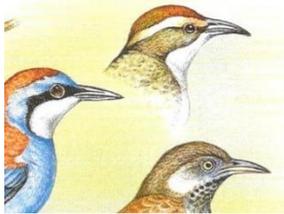
**CHESTNUT-THROATED FLYCATCHER, *Myiagra castaneigularis*** Monarchidae  
Aitutaki, 1982 February 15, Sc#246A, \$1 (Cap: *Myiagra azureocapilla*)

Length: 6 inches, resident. The male (shown) is dark slaty-blue above and white below with a chestnut throat, azure crest and black eye-stripe. The female is rich brownish-gray above with a blackish patch around the eye, two wing-bars, and a whitish malar stripe.

Habitat: Dense native mature forest.

Range; Vita Levu and Vanua Levu, Fiji.

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



**PUFF-THROATED BABBLER, *Pellorneum ruficeps*** Pellorneidae  
Guinea, 1999, Sc#1587, SS 2500fr UR margin

Length: 6 to 7 inches, sexes similar, resident. Pale brown above and streaked buffy white below with a dull rufescent crown and whitish superciliary.

Habitat: Forest floor, understory, and thickets.

Range; India to Vietnam and Malaysia.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. Handbook of the Birds of the World, Volume 12.



**SALTMARSH SHARP-TAILED SPARROW, *Ammodramus caudacutus***  
Emberizidae  
Central African Republic, 2016 June 20, not yet cataloged, SS 2650fr UL margin

Length: 5 inches, sexes similar, migratory. Grayish above and black-streaked white below with a gray face with a yellow-orange border and a black stripe behind the eye.

Habitat: Saltmarshes and wet meadows.

Range: Breeds from southern Maine to coastal Virginia. Winters from Massachusetts to Florida.

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

World, Volume 16.



**JAMESON'S FIREFINCH, *Lagonosticta rhodopareia*** Estrildidae  
Chad, 2014, not yet cataloged, 300fr UL margin

Length: 4 inches, sexes similar, but female is paler, resident. Brown above and red below with a black belly and tail.

Habitat: Lowland bushy and grassy areas,

Range: Ethiopia to South Africa and Namibia.

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. Handbook of the Birds of the World, Volume 15.



# HERPETOLOGY

Associate Editor

Dick Roman, LM83

New Listings



[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
<b>ALGERIA</b> <b>2015 April 23</b> (Diplomatic Relations with Mexico)				
1651	25d	Stylized snake on Mexican coat of arms		S C
<b>ASCENSION</b> <b>2016 July 3</b> (50th anniv. BBC Transmitting Station)				
1167	65p	Sea Turtle	Cheloniidae	U
<b>MALDIVIVE ISLANDS</b> <b>2014 May 19</b> (Frogs & Reptiles) (2ea MS/4 & 3ea SS/1)				
3145a	20r	no common name, <i>Mantidactylus madecassus</i>	Mantellidae, Mantellinae	A
3145b	20r	Thomasset's Frog, <i>Sooglossus thomasseti</i>	Sooglossidae	A
3145c	20r	Main's Frog, <i>Cyclorana maini</i> (Cap: <i>Litoria maini</i> )	Hylidae, Hylinae	A
3145d	20r	Tomato Frog, <i>Dyscophus antongilii</i>	Microhylidae, Dyscophinae	A
3155	SS 60r	Blue-legged Mantella, <i>Mantella expectata</i>	Mantellidae, Mantellinae	A
	Margin	Bot: Tomato Frog, <i>Dyscophus antongilii</i>	Microhylidae, Dyscophinae	Z
		MR: Main's Frog, <i>Cyclorana maini</i> (Cap: <i>Litoria maini</i> )	Hylidae, Hylinae	Z
3146a	20r	Eastern Garden Lizard, <i>Calotes versicolor</i>	Agamidae, Draconinae	A
3146b	20r	Komodo Dragon, <i>Varanus komodoensis</i>	Varanidae	A
3146c	20r	Indian Wolf Snake, <i>Lycodon aulicus</i>	Colubridae, Colubrinae	A
3146d	20r	Leatherback Sea Turtle, <i>Dermochelys coriacea</i>	Cheloniidae	A
3156	SS 60r	Loggerhead Sea Turtle, <i>Caretta caretta</i>	Cheloniidae	A
3174	SS 60r	Terrestrial Arboreal Alligator Lizard, <i>Abronina graminea</i>	Anguidae, Diploglossa	A
<b>2014 October 7</b> (Turtles) (MS/4 & SS/1)				
3243a	20r	Charles Island Giant Tortoise, <i>Chelonoidis nigra</i>	Testudinidae	A
3243b	20r	Green Sea Turtle, <i>Chelonia mydas</i>	Cheloniidae	A
3243c	20r	Arrau River Turtle, <i>Podocnemis expansa</i>	Podocnemididae	A
3243d	20r	Green Sea Turtle, <i>Chelonia mydas</i>	Cheloniidae	A
3253	SS 60r	Green Sea Turtle, <i>Chelonia mydas</i> (also in Bot margin)	Cheloniidae	A
<b>ST. THOMAS &amp; PRINCE IS.</b> <b>2014 September 15</b> (Snakes) (MS/4 & SS/1)				
2723a	25000d	Eyelash Viper, <i>Bothriechis schlegelii</i> (☠)	Viperidae, Crotalinae	A
2723b	25000d	Sidewinder, <i>Crotalus cerastes</i> (☠)	Viperidae, Crotalinae	A
2723c	25000d	Royal Python, <i>Python regius</i>	Pythonidae	A
2723d	25000d	Lake Erie Water Snake, <i>Nerodia sipedon</i> ssp. <i>insularum</i>	Colubridae, Naticinae	A
	Margin	Top: Green Bush Viper, <i>Atheris squamigera</i> (☠)	Viperidae, Viperinae	Z
2743	SS 96000d	Midland Rat Snake, <i>Pantherophis spiloides</i>	Colubridae, Colubrinae	A
	Margin	R: Rainbow Boa, <i>Epicrates cenchria</i>	Boidae, Boinae	Z
<b>2014 September 15</b> (Lizards) (MS/4 & SS/1)				
2724a	25000d	Western Fence Lizard, <i>Sceloporus occidentalis</i>	Phrynosomatidae, Sceloporinae	A
2724b	25000d	Jackson's Chameleon, <i>Trioceros jacksonii</i>	Chamaeleonidae	A
2724c	25000d	Galapagos Land Iguana, <i>Conolophus subcristatus</i>	Iguanidae, Iguania	A
2724d	25000d	Common Green Iguana, <i>Iguana iguana</i>	Iguanidae, Iguania	A

**ST. THOMAS & PRINCE IS.** (continued)

	Margin	Top: Common Chameleon, <i>Chamaeleo chamaeleon</i>	Chamaeleonidae	Z
2744	SS 96000d	Common Water Monitor, <i>Varanus salvator</i>	Varanidae, Platynota	A
	Margin	R: Common Green Iguana, <i>Iguana iguana</i>	Iguanidae, Iguania	Z

**2014 October 15** (Crocodyles) (MS/4 & SS/1)

2767a	25000d	Saltwater Crocodile, <i>Crocodylus porosus</i> (two open mouth)	Crocodylidae	A
2767b	25000d	Same species (one with open mouth)	Crocodylidae	A
2767c	25000d	Same species (two with mouths closed)	Crocodylidae	A
2767d	25000d	Same species (one with mouth closed)	Crocodylidae	A
2787	SS 96000d	Nile Crocodile, <i>Crocodylus niloticus</i> (also in R margin)	Crocodylidae	A

**2014 November 17** (Turtles) (MS/4 & SS/1)

2809a	25000d	Yellowbelly Slider, <i>Trachemys scripta</i> ssp. <i>elegans</i>	Emydidae, Deirochelyinae	A
2809b	25000d	Leatherback Sea Turtle, <i>Dermochelys coriacea</i>	Cheloniidae	A
2809c	25000d	Leopard Tortoise, <i>Stigmochelys pardalis</i>	Testudinidae	A
2809d	25000d	Radiated Tortoise, <i>Astrochelys radiata</i>	Testudinidae	A
2826	SS 96000d	Green Sea Turtle, <i>Chelonia mydas</i>	Cheloniidae	A
	Margin	R: Loggerhead sea turtle, <i>Caretta caretta</i>	Cheloniidae	Z

**2014 November 17** (Venomous Animals) (MS/4)

2810a	25000d	King Cobra, <i>Ophiophagus hannah</i> (♀)	Elapidae	A
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**2015 May 21** (Flora & Fauna)

These MS/4 have a common marginal design that features parrots and tropical foliage with a frog on a plant.

2877	Margin	LL: Dyeing Poison Frog, <i>Dendrobates tinctorius</i> (♀) (monkeys)	Dendrobatidae	Z
2878	Margin	LL: Same species (big cats)	Dendrobatidae	Z
2891	Margin	LL: U/I tree frog (carnivorous plants and prey)		U Z
2892	Margin	LL: Dyeing Poison Frog, <i>Dendrobates tinctorius</i> (♀) (orchids)	Dendrobatidae	Z
2893	Margin	LL: Same species (mushrooms)	Dendrobatidae	Z
2894	Margin	LL: U/I snake in tree (minerals)		U Z

These SS/1 have various marginal design that include a herp.

2896	Margin	LR: U/I tree frog (big cats)		U Z
2900	Margin	MR: U/I snake (in eagle's talon)		U Z
2902	Margin	UL: U/I lizard (in owl's talons)		U Z
2910	Margin	LR: U/I small tree frog (orchids)		U Z
2911	Margin	LR: U/I small tree frog (mushrooms)		U Z
2912	Margin	LR: U/I tree frog (minerals)		U Z

**2015 May 21** (Frogs) (MS/4 & SS/1)

2887a	19000d	Dyeing Poison Frog, <i>Dendrobates tinctorius</i> (♀)	Dendrobatidae, Dendrobatinae	A
2887b	19000d	Red-Eyed Tree Frog, <i>Agalychnis callidryas</i>	Hylidae, Phyllomedusinae	A
2887c	19000d	Waxy-Monkey Tree Frog, <i>Phyllomedusa bicolor</i>	Hylidae, Phyllomedusinae	A
2887d	19000d	Yellow-headed Poison Frog, <i>Dendrobates leucomelas</i> (♀)	Dendrobatidae, Dendrobatinae	A
2887	Margin	LL: Dyeing Poison Frog, <i>Dendrobates tinctorius</i> (♀)	Dendrobatidae, Dendrobatinae	Z
2905	SS 86000d	Dyeing Poison Frog, <i>Dendrobates tinctorius</i> (♀)	Dendrobatidae, Dendrobatinae	A
	Margin	UL: Red-Eyed Tree Frog, <i>Agalychnis callidryas</i>	Hylidae, Phyllomedusinae	Z
		MR: Yellow-headed Poison Frog, <i>Dendrobates leucomelas</i>	Dendrobatidae, Dendrobatinae	Z
		Bot: Two small U/I tree frogs		U Z

**2015 May 21** (Turtles) (MS/4 & SS/1)

2888a	19000d	Arrau River Turtle, <i>Podocnemis expansa</i>	Podocnemididae	A
2888b	19000d	Yellowbelly Slider, <i>Trachemys scripta</i> ssp. <i>elegans</i>	Emydidae, Deirochelyinae	A

**ST. THOMAS & PRINCE IS.** (continued)

2888c	19000d	Bot: Eastern Box Turtle, <i>Terrapene carolina</i> ssp. <i>carolina</i>	Emydidae, Emydinae	B
		Top: Red-footed Tortoise, <i>Chelonoidis carbonaria</i>	Testudinidae	B
2888d	19000d	no common name, <i>Chelus fimbriata</i>	Chelidae	A
2906	SS 86000d	Diamondback Terrapin, <i>Malaclemys terrapin</i>	Emydidae, Deirochelyinae	A
	Margin	ML & MR: Same species	Emydidae	Z
		UR: Arrau River turtle, <i>Podocnemis expansa</i>	Podocnemididae	Z

**2015 May 21** (Black Caiman) (MS/4 & SS/1)

2889a	19000d	Black Caiman, <i>Melanosuchus niger</i> (with fish in mouth)	Alligatoridae	A
2889b	19000d	Same species (in water)	Alligatoridae	A
2889c	19000d	Same species (head with open mouth)	Alligatoridae	A
2889d	19000d	Same species (at nest with eggs)	Alligatoridae	A
2889	Margin	LL: U/I snake in tree		U Z
2907	SS 86000d	Black Caiman, <i>Melanosuchus niger</i> (also in L & R margin)	Alligatoridae	A

**2015 May 21** (Rainforest Snakes) (MS/4 & SS/1)

2890a	19000d	Eyelash Viper, <i>Bothriechis schlegelii</i> (♀)	Viperidae, Crotalinae	A
2890b	19000d	Emerald Tree Boa, <i>Corallus caninus</i>	Boidae, Boinae	A
2890c	19000d	Emerald Tree Boa, <i>Corallus caninus</i>	Boidae, Boinae	A
2890d	19000d	Ceylon Pit Viper, <i>Trimeresurus trigonocephalus</i> (♂)	Viperidae, Crotalinae	A
2890	Margin	LL: Dyeing Poison Frog, <i>Dendrobates tinctorius</i> (♀)	Dendrobatidae	Z
2908	SS 86000d	Striped Kukri Snake, <i>Oligodon octolineatus</i>	Colubridae, Colubrinae	A
	Margin	MR: Green Vine Snake, <i>Oxybelis fulgidus</i>	Colubridae, Colubrinae	Z
		ML: U/I snake (head only)		U Z
		LR: U/I small tree frog		U Z

**2015 November 18** (Turtles) (MS/4 & SS/1)

2970a	31000d	Green Sea Turtle, <i>Chelonia mydas</i>	Cheloniidae	A
2970b	31000d	Escambia Map Turtle, <i>Graptemys ernsti</i>	Emydidae, Deirochelyinae	A
2970c	31000d	Loggerhead Sea Turtle, <i>Caretta caretta</i>	Cheloniidae	A
2970d	31000d	Leatherback Sea Turtle, <i>Dermochelys coriacea</i>	Cheloniidae	A
2970	Margin	Bot: Painted Turtle, <i>Chrysemys picta</i>	Emydidae, Deirochelyinae	Z
2989	SS 96000d	Blanding's Turtle, <i>Emydoidea blandingii</i>	Emydidae, Emydinae	A
	Margin	UL: Painted Turtle, <i>Chrysemys picta</i>	Emydidae, Deirochelyinae	Z
		MR & LR: Hawksbill Sea Turtle, <i>Eretmochelys imbricata</i>	Cheloniidae	Z

**2015 November 18** (Mushroom) (SS/1)

2972	Margin	LR: no common name, <i>Pseudepidalea pewzowi</i>	Bufoidea	Z
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**2015 December 29** (WWF) (MS/4) (s-o-s)

2998b	31000d	Yellow-bellied Sea Snake, <i>Pelamis platura</i>	Elapidae, Hydrophiinae	A
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**ST. VINCENT****2015 September 8** (Reptiles) (MS/6 & SS/1)

4001a	\$3.15	Hawksbill Sea Turtle, <i>Eretmochelys imbricata</i>	Cheloniidae	A
4001b	\$3.15	Common Green Iguana, <i>Iguana iguana</i>	Iguanidae, Iguania	A
4001c	\$3.15	Turnip-tailed Gecko, <i>Thecadactylus rapicauda</i>	Phyllodactylidae	A
4001d	\$3.15	Leatherback Sea Turtle, <i>Dermochelys coriacea</i>	Cheloniidae	A
4001e	\$3.15	Redfooted Tortoise, <i>Geochelone carbonaria</i>	Testudinidae	A
4001f	\$3.15	Cuban brown anole, <i>Anolis sagrei</i>	Polychrotidae	A
4002	SS \$10	Moreau's Tropical House Gecko, <i>Hemidactylus mabouia</i>	Gekkonidae	A

**SERBIA****2015 May 8** (Famous Men) (Set/2)

697	74d	Stylized snake in caduceus (Dr. Joakim Medovic)		S
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<b>SERBIA</b> (continued)		<b>2015 November 4</b> (Fairy Tales) (Block/4)		
717a	23d	Stylized frog (“The Princesses and the Frog” by the Brothers Grimm)		S B
		<b>2016 February 8</b> (New Year 2016-Year of Monkey) (Set/2)		
733	74d	Stylized snake (ring of Chinese Zodiac animals)		S C
<b>SOLOMON ISLANDS</b>		<b>2015 May 24</b> (Protected Species in Taiwan) (MS/4)		
1766d	\$5	Loggerhead Sea Turtle, <i>Caretta caretta</i>	Cheloniidae	A
		<b>2015 May 24</b> (Alessandro Volta) (SS/1)		
1790	Margin	LR: Scientific drawing of frog legs stimulated by electricity		Z
		<b>2015 June 26</b> (Turtles) (MS/4 & SS/1)		
1818a	\$12	Aldabra Giant Tortoise, <i>Aldabrachelys gigantea</i>	Testudinidae	A
1818b	\$12	African Spurred Tortoise, <i>Centrochelys sulcata</i>	Testudinidae	A
1818c	\$12	Green Turtle, <i>Chelonia mydas</i>	Cheloniidae	A
1818d	\$12	Loggerhead Sea Turtle, <i>Caretta caretta</i>	Cheloniidae	A
1838	SS \$40	Hawksbill Sea Turtle, <i>Eretmochelys imbricata</i>	Cheloniidae	A
	Margin	ML: Olive Ridley Sea Turtle, <i>Lepidochelys olivacea</i>	Cheloniidae	Z
		MR: Common Musk Turtle, <i>Sternotherus odoratus</i>	Kinosternidae	Z
		Bot: African Spurred Tortoise, <i>Centrochelys sulcata</i>	Testudinidae	Z
		<b>2015 September 25</b> (Turtles) (MS/4 & SS/1)		
1893a	\$12	Green Sea Turtle, <i>Chelonia mydas</i>	Cheloniidae	A
1893b	\$12	Hawksbill Sea Turtle, <i>Eretmochelys imbricata</i>	Cheloniidae	A
1893c	\$12	Loggerhead Sea Turtle, <i>Caretta caretta</i>	Cheloniidae	A
1893d	\$12	Olive Ridley Sea Turtle, <i>Lepidochelys olivacea</i>	Cheloniidae	A
1913	SS \$40	Olive Ridley Sea Turtle, <i>Lepidochelys olivacea</i>	Cheloniidae	A
	Margin	R: Green Sea Turtle, <i>Chelonia mydas</i>	Cheloniidae	Z
		<b>2015 November 30</b> (70th anniv. United Nations) (MS/4)		
1937d	\$7	Stylized crocodile in Solomon Islands coat of arms		S C
		<b>2016 May 13</b> (Turtles) (MS/4 & SS/1)		
1993a	\$12	Green Turtle, <i>Chelonia mydas</i> (head at right)	Cheloniidae	A
1993b	\$12	Hawksbill Sea Turtle, <i>Eretmochelys imbricata</i>	Cheloniidae	A
1993c	\$12	Loggerhead Sea Turtle, <i>Caretta caretta</i>	Cheloniidae	A
1993d	\$12	Green Turtle, <i>Chelonia mydas</i> (head at left)	Cheloniidae	A
1993	Margin	Bkgrd: Multiple stylized turtle silhouettes		S
2018	SS \$35	Loggerhead Sea Turtle, <i>Caretta caretta</i> (also in Top margin)	Cheloniidae	A
		<b>2016 May 13</b> (Endangered Animals) (MS/4)		
1994b	\$7	Radiated Tortoise, <i>Astrochelys radiata</i>	Testudinidae	A
<b>SRI LANKA</b>		<b>2016 January 26</b> (Wildlife of Kumana National Park) (Set/7 & SS/7)		
1999	10r	Leatherback Sea Turtle, <i>Dermochelys coriacea</i>	Cheloniidae	A
2001	20r	Saltwater Crocodile, <i>Crocodylus porosus</i>	Crocodylidae	A
2004a		SS/7 (Sc#1998–2004)		
<b>UNITED STATES</b>		<b>2016 August 2</b> (Pets) (Bklt/20)		
5108	(47c)	Green Iguana, <i>Iguana iguana</i>	Iguanidae	A
5113	(47c)	U/I tortoise		U
5116	(47c)	Corn Snake, <i>Pantherophis guttatus</i>	Colubridae	A
5121	(47c)	Common Leopard Gecko, <i>Eublepharis macularius</i>	Eublepharidae	A
5125a		Bklt/20 (Sc#5106–25)		
<b>ZAMBIA</b>		<b>2014 May 2</b> (Surcharges)		
1175	1.50k	African Tiger Snake, <i>Telescopus semiannulatus</i> (Sc#639 surch)	Colubridae, Colubrinae	A



# ICHTHYOLOGY

Editor

Kris P. Lindstrom, LM77

## New Listings



Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
<b>ARUBA</b> <b>29 February 2016</b> (Fish) (Set/5)				
472	90c	Black (Rock) Beauty, <i>Holacanthus tricolor</i>	Pomacanthidae	A
473	130c	Bluehead Wrasse, <i>Thalassoma bifasciatum</i>	Labridae	A
474	205c	Longfin Damsel, <i>Stegastes diencaeus</i>	Pomacentridae	A
475	220c	Blue Tang Surgeonfish, <i>Acanthurus coeruleus</i>	Acanthuridae	A
476	320c	Blackbar Soldierfish, <i>Myripristis jacobus</i>	Holocentridae	A
<b>AUSTRALIA</b> <b>1 March 2016</b> (Items Starting with Same Letter) (Strip/5 & Bklt/10)				
4454	\$1	Shark (toy)		S
4456a	\$1	Horiz Strip/5 (Sc#4452-56) (perf 14¾×14)		
4459	\$1	Shark (toy)		S
4459a	\$1	Bklt/10 (Sc#4459) (die cut 11¼)		
<b>BERMUDA</b> <b>21 May 2015</b> (Fish) (Set/5)				
1093	35c	Bicolor Coney, <i>Cephalopholis fulva</i>	Serranidae	A
1094	70c	Blue Angelfish, <i>Holacanthus bermudensis</i>	Pomacanthidae	A
1095	80c	Gray Snapper, <i>Lutjanus griseus</i>	Lutjanidae	A
1096	85c	Queen Parrotfish, <i>Scarus vetula</i>	Scaridae	A
1097	95c	Yellowhead Wrasse, <i>Halichoeres garnoti</i>	Labridae	A
<b>BOSNIA &amp; HERZEGOVINA (Serb)</b> <b>2 September 2015</b> (World Fly Fishing Championships Jajce) (SS/2)				
531a	1.70m	Grayling, <i>Thymallus thymallus</i>	Salmonidae	A
531b	2.70m	Brown Trout, <i>Salmo trutta</i>	Salmonidae	A
<b>CAMBODIA</b> <b>8 August 2011</b> (Fish) (Set/5 & SS/1)				
2394	500r	Tinfoil Barb, <i>Barbonymus schwanenfeldii</i>	Cyprinidae	A
2395	1500r	no common name, <i>Hypsibarbus lagleri</i>	Cyprinidae	A
2396	2800r	no common name, <i>Puntioplites falcifer</i>	Cyprinidae	A
2397	3000r	no common name, <i>Osteochilus melanopleurus</i>	Cyprinidae	A
2398	3500r	Hampala Barb, <i>Hampala macrolepidota</i>	Cyprinidae	A
2399	SS 6000r	U/I fish with fishermen & nets		U
<b>CENTRAL AFRICA</b> <b>20 December 2011</b> (Kingfishers) (MS/4 & SS/1)				
1535	Margin	UL: U/I small fish in bird's beak		C U Z
1561	SS 2400fr	U/I small fish in bird's beak		U C
<b>20 December 2011</b> (Fish) (MS/4 & SS/1)				
1542a	650fr	Great Barracuda, <i>Sphyraena barracuda</i>	Sphyraenidae	A
1542b	650fr	Queen Triggerfish, <i>Balistes vetula</i>	Balistidae	A
1542c	650fr	Emperor Angelfish, <i>Pomacanthus imperator</i>	Pomacanthidae	A
1542d	650fr	Elegant Unicornfish, <i>Naso elegans</i>	Acanthuridae	A
1568	SS 2400fr	Chevron Tang, <i>Ctenochaetus hawaiiensis</i>	Acanthuridae	A
<b>29 December 2011</b> (Works of Ivan Aivozovsij) (MS/7)				
1823f	400fr	U/I fish? ("Pecheurs sur Littoral")		U

<b>CHINA (Taiwan)</b>		<b>20 April 2016</b> (Taitung County, Lany Island) (MS/4)		
4297c	\$10	Fishing Boat		R
<b>CHINA (People's Republic)</b>		<b>5 June 2015</b> (World Environment Day)		
4281	\$1.20	Stylized fish		S
<b>COOK ISLANDS</b>		<b>5 August 2015</b> (Cook Islands Stamps) (MS/15)		
1537i	40c	Royal Angelfish, <i>Pygoplites diacanthus</i> (Sc#O68 s-o-s)	Pomacanthidae	B
<b>CROATIA</b>		<b>22 February 2016</b> (Pet Fish) (Block/4)		
980a	3.10k	Angelfish	Pomacentridae	A
980b	3.10k	Goldfish, <i>Carassius auratus</i>	Cyprinidae	A
980c	3.10k	Guppy, <i>Poecilia reticulata</i>	Poeciliidae	A
980d	3.10k	Siamese Fighting Fish, <i>Betta splendens</i>	Belontiidae	A
		<b>7 July 2016</b> (Fish)		
1001	5.80k	Ocellated Wrasse, <i>Halichoeres melasmapomus</i>	Labridae	A
<b>CYPRUS</b>		<b>9 July 2015</b> (Mediterranean Sea & Cypriot Boats)		
1239	75c	Fishing boats (no fish)		R
<b>DENMARK</b>		<b>4 January 2016</b> (Nordic Food Culture) (SS/2 & 2ea Bklt/5)		
1732a	8k	Stylized fish		S
1732b	8k	Stylized flatfish		S
1733	8k	Stylized fish		S
1733a		Bklt/5 (Sc#1733) (s/a)		
1734	8k	Stylized flatfish		S
1734a		Bklt/5 (Sc#1734) (s/a)		
<b>ECUADOR</b>		<b>29 September 2015</b> (150th anniv. ExpoAFE) (MS/25)		
2163w	75c	Stylized fish (on flag S. Pierre and Miquelon Sc#136)		C S
<b>FALKLAND ISLANDS</b>		<b>21 August 2015</b> (Wildlife) (Set/4)		
1143	75p	European Sprat, <i>Sprattus sprattus</i>	Clupeidae	A
<b>FRANCE</b>		<b>1 October 2014</b> (Sense of Smell) (Bklt/12)		
4688	(61c)	Stylized fish with clothespin on nose		S
4693a		Bklt/12 (Sc#4682–93) (s/a)		
		<b>29 June 2015</b> (Recreation) (Bklt/12)		
4826	(68c)	Stylized fish with snorkel		S
4836a		Bklt/12 (Sc#4825–36) (s/a)		
		<b>31 July 2015</b> (Animal Eyes) (Bklt/12)		
4841	(76c)	Whitetip Reef Shark, <i>Triaenodon obesus</i>	Carcharhinidae	A
4851	(76c)	Scrawled Filefish, <i>Aluterus scriptus</i>	Monacanthidae	A
4852a		Bklt/12 (Sc#4841–52) (s/a)		
<b>FRENCH POLYNESIA</b>		<b>6 November 2014</b> (Office of Posts & Telecommunication) (2ea Bklt/10)		
1138	(75fr)	Stylized fish		S
1138a		Bklt/10 (Sc#1138)		
1139	(100fr)	Stylized fish		S
1139a		Bklt/10 (Sc#1139)		
		<b>12 December 2014</b> (Legend of Pipiri Ma)		
1140	75fr	Stylized shark		S
		<b>29 January 2015</b> (Occupations) (Set/4)		
1141	10fr	U/I fish (spear fisherman with catch)		U B

<b>FRENCH POLYNESIA</b> (continued) <b>26 March 2015</b> (Cartoon)				
1146	75fr	Stylized fish Mama Dolphin at Sea Post Office		S
<b>14 August 2015</b> (Tropical Architecture) (Set/2)				
1153	100fr	U/I fish (with houses)		U C
<b>16 December 2015</b> (Papeete Market) (Set/3)				
1160	140fr	Fish vendors		R
<b>GREAT BRITAIN (Isle of Man)</b> <b>10 April 2015</b> (Tynwald Tapestry Millennium) (Strip/5 & Bklt/12)				
1713d	(42p)	Herring, <i>Clupea harengus</i>	Clupeidae	A
1718	(42p)	Herring, <i>Clupea harengus</i>	Clupeidae	A
1719	(42p)	Fishing Industry (any fish?)		U R
1719a		Bklt/12 (3ea Sc#1715, 1717 & 2ea Sc#1716, 1718–19)		
<b>1 October 2015</b> (Art of Bryan Kneale) (Block/10)				
1758f	44p	Stylized fish (“The Deemster Fish”)		S
<b>GREECE</b> <b>9 July 2015</b> (Fishing Boat) (Sgl & Bklt/2)				
2692	€3	Fishing boat (perf 13¼×13¼)		R
2692a	€3	Fishing boat (perf 13¾ vert)		R
2692b		Bklt/2 (Sc#2692a)		
<b>20 July 2015</b> (Diving) (Set/6 & Bklt/10)				
2695	80c	U/I fish with sponges		U C
2699	80c	U/I fish with sponges		U C
2700a		Bklt/10 (5ea Sc#2699–2700)		
<b>GREENLAND</b> <b>21 March 2016</b> (Greenlandic Foods) (Set/2 & SS/2)				
725	12k	Capelin, <i>Mallotus villosus</i> (perf 12½)	Osmeridae	A
725a	12k	Capelin, <i>Mallotus villosus</i> (perf 13×13¼)	Osmeridae	A
726b		SS/2+label (Sc#725a–26a)		
<b>GRENADA</b> <b>8 December 2014</b> (WWF) (2ea Block or Strip/4)				
4020a	\$1.25	Oceanic Whitetip Shark, <i>Carcharhinus longimanus</i> (pilot fish)	Carcharhinidae	A
4020b	\$1.25	Same species (and ocean ripples)	Carcharhinidae	A
4020c	\$1.25	Same species (two sharks)	Carcharhinidae	A
4020d	\$1.25	Same species (head)	Carcharhinidae	A
4021a	\$2.75	Same species (and pilot fish)	Carcharhinidae	A
4021b	\$2.75	Same species (and ocean ripples)	Carcharhinidae	A
4021c	\$2.75	Same species (two sharks)	Carcharhinidae	A
4021d	\$2.75	Same species (head)	Carcharhinidae	A
<b>28 May 2015</b> (Sailboats in Art) (MS/6 & SS/1)				
4046a	\$3.15	“Fishing Boats at Sea” by Claude Monet (no fish)		R
4046d	\$3.15	“Fishing Boats” by Joaquin Sorolla (no fish)		R
4047	SS \$10	“Fishing Boats on the Beach at Saintes-Maries-de-la-Mer” by Vincent van Gogh		R
<b>GRENADA GRENADINES</b> <b>18 May 2015</b> (Art of Qi Baishi) (MS/6)				
2916d	\$3.15	U/I fish		U
<b>GUATEMALA</b> <b>25 September 2015</b> (Coral Reef Marine Life) (Set/4 & SS/4)				
713	5q	French Angelfish, <i>Pomacanthus paru</i>	Pomacanthidae	A
714	6.50q	Stoplight Parrotfish, <i>Sparisoma viride</i>	Scaridae	A
715a		SS/4 (Sc#712–15)		

<b>HONG KONG</b>		<b>23 November 2015</b> (Hong Kong 2015 Intl. Stamp Exh) (SS/1 & Bklt/3)		
1750	\$20	Stylized fish		S
1750a		Bklt/3 (Sc#1682a, Sc#1749–50)		
<b>ICELAND</b>		<b>18 February 2016</b> (Icelandic Foods) (s/a)		
1397	(180k)	U/I fish		U
		<b>28 April 2016</b> (Europa) (Set/2 & Bklt/10)		
1410	(240k)	Atlantic Cod, <i>Gadus morhua</i>	Gadidae	A
1412	(240k)	Atlantic Cod, <i>Gadus morhua</i>	Gadidae	A
1412a		Bklt/10 (Sc#1412)		
<b>IRAN</b>		<b>10 August 2014</b> (New Year) (SS/1)		
3127	SS 10000r	Stylized fish		S
<b>IRELAND</b>		<b>16 July 2015</b> (Food Production) (Horiz Pair & SS/4)		
2082	€1.05	U/I fish (with fisherman)		U B
2083a		Horiz pair (Sc#2082–83)		
2083b		SS/4 (Sc#2080–83)		
<b>ISRAEL</b>		<b>9 February 2015</b> (Turtles) (Block/4)		
2096c	2.30s	U/I fish		U
<b>ITALY</b>		<b>3 July 2015</b> (Expo 2015 Milan) (MS/15) (s/a)		
3320b	80c	U/I fish head		U
		<b>12 August 2015</b> (Botanical Gardens Type of 2012) (Set/4) (s/a)		
3326	95c	U/I fish (Asinara National Park)		U
<b>JAPAN</b>		<b>12 May 2015</b> (60th anniv. Yamaguchi Local Autonomy Law) (MS/5)		
3824b	82¥	Stylized Goldfish (lantern)		S
		<b>23 July 2015</b> (Letter Writing Day) (Bklt/10)		
3849	82¥	Stylized Carp (streamer)		S
3849a		Bklt/10 (Sc#3840–48)		
		<b>4 September 2015</b> (Greetings) (3ea MS/10)		
3923a	52¥	Sea Bream, <i>Diplodus</i> sp.	Sparidae	U A
3924a	82¥	Sea Bream, <i>Diplodus</i> sp.	Sparidae	U A
3925a	92¥	Sea Bream, <i>Diplodus</i> sp.	Sparidae	U A
		<b>16 September 2015</b> (Okinawa Fish) (Prefecture Type of 2007) (Strip/5)		
3929	82¥	Whale Shark, <i>Rhincodon typus</i>	Rhincodontidae	A
3930	82¥	Longfin Bannerfish, <i>Heniochus acuminatus</i>	Chaetodontidae	A
3931	82¥	False Clownfish, <i>Amphiprion ocellaris</i>	Pomacentridae	A
3932	82¥	Blue Damsel, <i>Chrysiptera cyanea</i>	Pomacentridae	A
3933	82¥	Manta Ray, <i>Manta</i> sp.	Myliobatidae	U A
<b>KOREA (North)</b>		<b>21 December 2013 (Paintings) (Set/5)</b>		
5231	50w	Carp, <i>Cyprinus carpio</i> ("Carp" by Jo Sok Jin)	Cyprinidae	S A
		<b>25 January 2014</b> (Ceramics) (Bklt/2+6 labels)		
5243a	label	Fish in label?		U
		<b>11 May 2014</b> (Fish & Shellfish) (Set/4 & Bklt/4)		
5276	50w	Rosy Bitterling, <i>Rhodeus ocellatus ocellatus</i>	Cyprinidae	A
5277	70w	Half-lined Cardinal, <i>Apogon semilineatus</i>	Apogonidae	A
5278	90w	Longspined Porcupinefish, <i>Diodon holocanthus</i>	Diodontidae	A
5279	110w	Lumpsucker, <i>Cyclopterus lumpus</i>	Cyclopteridae	A
5279a		Bklt/4 (Sc#5276–79)		

<b>KOREA (South)</b>		<b>27 February 2015</b> (Constellations) (MS/16) (s/a)		
2438d	300w	Pisces (fish)		S
<b>KUWAIT</b>		<b>11 November 2014</b> (International Autism Conference) (Sheet/10)		
1732f	50f	Stylized fish in net of fisherman		S
		<b>15 March 2015</b> (Kuwait Institute for Scientific Research) (Sheet/10)		
1749e	50f	U/I fish		U
<b>LATVIA</b>		<b>6 March 2015</b> (Fossils)		
905	71c	no common name, <i>Asterolepis ornata</i>	†Asterolepididae	A
		<b>21 April 2015</b> (Signs of the Zodiac) (MS/12)		
916l	50c	Pisces		S
<b>MACAO</b>		<b>5 May 2015</b> (Wetlands Wildlife) (Block/4 or Strip/4)		
1441b	3p	Great Blue-spotted Mudskipper, <i>Boleophthalmus pectinirostris</i>	Gobiidae	A
		<b>31 July 2015</b> (Water & Life) (Block/4)		
1450b	3p	Goldfish, <i>Carassius auratus</i> (technician with test tube)	Cyprinidae	B
		<b>28 April 2016</b> (Paintings of Macao by Cha Chi Vai)		
1479	SS 12p	Fishermen, boats, and nets		R
<b>MALAGASY REPUBLIC</b>		<b>9 October 2014</b> (Green Turtle)		
1637	1500a	Various U/I fish		U
<b>MALAWI</b>		<b>25 April 2014</b> (Lake Malawi) (Set/10 & SS/10)		
792	840k	Cichlids	Cichlidae	U
793	860k	U/I fish		U
794a		SS/10 (Sc#785–94)		
<b>MALAYSIA</b>		<b>13 April 2015</b> (Endangered Marine Life) (Set/3)		
1542	60c	Pointed Sawfish, <i>Anoxypristis cuspidata</i>	Pristidae	A
<b>MALDIVE ISLANDS</b>		<b>1 April 2014</b> (Sharks) (MS/4 & SS/1)		
3142a	20r	Thresher Shark, <i>Alopias vulpinus</i>	Alopiidae	A
3142b	20r	Tiger Shark, <i>Galeocerdo cuvier</i>	Carcharhinidae	A
3142c	20r	Black Tip Shark, <i>Carcharhinus limbatus</i>	Carcharhinidae	A
3142d	20r	Spiny Dogfish, <i>Squalus acanthias</i>	Squalidae	A
3152	SS 60r	Shortfin Mako, <i>Isurus oxyrinchus</i>	Lamnidae	A
		<b>1 April 2014</b> (Deep Water Creatures) (MS/4 & SS/1)		
3150b	22r	Common Fangtooth, <i>Anoplogaster cornuta</i>	Anoplogastridae	A
3150c	22r	Half-naked Hatcherfish, <i>Argyropelecus hemigymnus</i>	Sternoptychidae	A
3160	SS 70r	<i>Chaunax</i> sp.	Chaunacidae	A
		<b>7 May 2014</b> (50th anniv. Red List of Endangered Animals) (MS/4)		
3165c	20r	Knysna Seahorse, <i>Hippocampus capensis</i>	Syngnathidae	A
		<b>3 July 2014</b> (Painting by Frans Halls the Elder) (MS/4)		
3209a	22r	“Fisher Boy”		R
3209d	22r	“Fisher Girl”		R
		<b>15 December 2014</b> (Pelicans) (MS/4 & SS/1)		
3260a	20r	U/I green fish		U
3260b	20r	U/I fish		U
3260d	20r	U/I orange fish		U
3270	SS 60r	U/I fish		U

<b>MARSHALL ISLANDS</b>		<b>5 November 2015</b> (Legends) (Block/8)		
1129g	49c	Sharks & Lowakalle Reef		U B
		<b>3 March 2016</b> (Wildlife) (MS/10)		
1133h	49c	Grouper	Serranidae	U A
1133i	49c	Manta Ray, <i>Manta birostris</i>	Myliobatidae	A
1133j	49c	Tuna	Scombridae	U A
<b>MAURITANIA</b>		<b>2014</b> (Marine Life) (Set/7)		
845	100um	Giant African Threadfin, <i>Polydactylus quadrifilis</i>	Polynemidae	A
846	100um	Sea Trout, <i>Salmo trutta</i>	Salmonidae	A
847	220um	Black Mullet, <i>Mugil cephalus</i>	Mugilidae	A
848	280um	Atlantic Horse Mackerel, <i>Trachurus trachurus</i>	Carangidae	A
849	370um	Zebra Sea Bream, <i>Diplodus cervinus</i>	Sparidae	A
851	440um	Red Mullet, <i>Mullus barbatus barbatus</i>	Mullidae	A
<b>MICRONESIA</b>		<b>1 January 2015</b> (Sharks) (Set/4)		
1135	26c	Scalloped Hammerhead Shark, <i>Sphyrna lewini</i>	Sphyrnidae	A
1136	49c	Oceanic Whitetip Shark, <i>Carcharhinus longimanus</i>	Carcharhinidae	A
1137	\$1.15	Tiger Shark, <i>Galeocerdo cuvier</i>	Carcharhinidae	A
1138	\$3	Gray Reef Shark, <i>Carcharhinus amblyrhynchos</i>	Carcharhinidae	A
		<b>1 April 2015</b> (Marine Life) (Set/5)		
1146	1c	Achilles Surgeonfish, <i>Acanthurus achilles</i>	Acanthuridae	A
1148	4c	Spotted Eagle Ray, <i>Aetobatus narinari</i>	Myliobatidae	A
<b>MOLDOVA</b>		<b>1 June 2015</b> (International Children's Day)		
864	\$1.75	Stylized fish (child's drawing by Crisina Isacov)		S
<b>MONACO</b>		<b>1 July 2015</b> (Monaco Oceanographic Museum)		
2807	76c	Numerous U/I fish		U
		<b>5 February 2016</b> (Fish)		
2833	€1.60	Brown Meagre, <i>Sciaena umbra</i>	Sciaenidae	A
<b>MONTSERRAT</b>		<b>24 March 2015</b> (Leatherback Sea Turtle) (MS/4 & SS/1)		
1359	Margin	Top: Three stylized fish (tuna, manta, sea bass)		S Z
1360	SS \$7	Top: Three stylized fish (tuna, manta, sea bass)		S
		<b>28 May 2015</b> (Seahorses) (MS/4 & SS/1)		
1363a	\$3.25	Longsnout Seahorse, <i>Hippocampus reidi</i> (two)	Syngnathidae	A
1363b	\$3.25	Lined Seahorse, <i>Hippocampus erectus</i> (with sea grass)	Syngnathidae	A
1363c	\$3.25	Lined Seahorse, <i>Hippocampus erectus</i>	Syngnathidae	A
1363d	\$3.25	Longsnout Seahorse, <i>Hippocampus reidi</i> (two with coral)	Syngnathidae	A
1364	SS \$7	Dwarf Seahorse, <i>Hippocampus zosterae</i>	Syngnathidae	A
<b>NAMIBIA</b>		<b>1 October 2014</b> (Kingfishers) (Set/5)		
1294	(\$5.70)	U/I fish (in kingfisher beak)		U C
		<b>19 August 2015</b> (Sharks) (Set/4)		
1316	\$5.70	Bronze Whale Shark, <i>Carcharhinus brachyurus</i>	Carcharhinidae	A
1317	(\$6.40)	Broadnose Sevengill Shark, <i>Notorynchus cepedianus</i>	Hexanchidae	A
1318	\$6.60	Great White Shark, <i>Carcharodon carcharias</i>	Lamnidae	A
1319	\$7.70	Smooth Hammerhead Shark, <i>Sphyrna zygaena</i>	Sphyrnaeidae	A

<b>NETHERLANDS</b>		<b>28 April 2015</b> (Flora & Fauna) (MS/10 & Bklt/2)		
1494j	(69c)	Northern Pike, <i>Esox lucius</i> (perf 13½×12¾)	Esocidae	A
1494t	(69c)	Northern Pike, <i>Esox lucius</i> (perf 14½×14¼)	Esocidae	A
1494u		Bklt/2 (Sc#1494s-t)		
		<b>12 October 2015</b> (Rotterdam Maritime Museum) (MS/10 & Bklt/2)		
1502b	(69c)	Fishing boat (no fish) (perf 13½×12¾)		R
1502l	(69c)	Fishing boat (no fish) (perf 14½)		R
1502v		Bklt/2 (Sc#1502l-m)		
		<b>2 November 2015</b> (Children's Book Illustrations) (MS/6)		
B768	Margin	Bot: Stylized fish		S Z
<b>NEW CALEDONIA</b>		<b>5 June 2015</b> (Children's Art)		
1194	75fr	Stylized fish ("Wildlife" by Eliot-Louis Hatterer)		S
		<b>5 November 2015</b> (Turtles) (MS/4)		
1203a	110fr	Manta Ray, <i>Manta birostris</i> (with other fish)	Myliobatidae	B
1203b	110fr	U/I fish		U B
1203c	110fr	Moorish Idol, <i>Zanclus cornutus</i> (with other fish)	Zanclidae	B
1203d	110fr	U/I fish		U B
<b>NEW ZEALAND</b>		<b>1 July 2015</b> (Popular New Zealand Foods) (MS/18)		
2593l	80c	Whitebait fritters		R
<b>NIGER</b>		<b>30 September 2013</b> (Whales) (SS/1)		
1306	SS 2500fr	Small U/I fish (also in Bot margin)		U Z
		<b>20 December 2013</b> (Tropical Fish) (MS/4 & SS/1)		
1332a	750fr	Copperbanded Butterflyfish, <i>Chelmon rostratus</i>	Chaetodontidae	A
1332b	750fr	Empress Angelfish, <i>Pygoplites diacanthus</i>	Pomacanthidae	A
1332c	750fr	Threadfin Butterflyfish, <i>Chaetodon auriga</i>	Chaetodontidae	A
1332d	750fr	Clown Anemonefish, <i>Amphiprion ocellaris</i>	Pomacentridae	A
1355	SS 2500fr	Longfin Bannerfish, <i>Heniochus acuminatus</i>	Chaetodontidae	A
<b>NORWAY</b>		<b>15 April 2015</b> (Photos by Anders Beer Wilse) (Set/3)		
1767	16k	Cod, <i>Gadus morhua</i>	Gadidae	A
		<b>15 April 2016</b> (Cities) (Set/4)		
1791	11k	Fisherman statue (Grimstad)		R
		<b>15 April 2016</b> (Nordic Food Culture) (Set/2 & SS/2)		
1796	14k	Atlantic Cod, <i>Gadus morhua</i>	Gadidae	B
1796a		SS/2 (Sc#1795-96)		
<b>PHILIPPINES</b>		<b>24 August 2015</b> (Teresita Reyes Restaurateur) (Strip/3)		
3620a	10p	Stylized fish (with fruits & vegetables)		S
3620b	10p	Stylized fish (with basket)		S
<b>PITCAIRN ISLANDS</b>		<b>24 June 2015</b> (Ben Christian) (Horiz Strip/4+label)		
796c	\$2.10	U/I fish (with Ben Christian)		U B
<b>PORTUGAL</b>		<b>20 July 2015</b> (Mediterranean Diet) (Set/4)		
372l	45c	U/I fish (food dish)		U B
		<b>17 September 2015</b> (Portugal's Use of the Sea) (Set/4)		
374l	62c	Stylized fish (with fishing boat & net)		S C

**ST. KITTS****31 December 2014** (Tropical Fish) (2ea MS/4 & 2ea SS/1)

900a	\$3.25	French Angelfish, <i>Pomacanthus paru</i>	Pomacanthidae	A
900b	\$3.25	Queen Parrotfish, <i>Scarus vetula</i>	Scaridae	A
900c	\$3.25	Rock Beauty, <i>Holacanthus tricolor</i>	Pomacanthidae	A
900d	\$3.25	Spotted Drum, <i>Equetus punctatus</i>	Sciaenidae	A
901a	\$3.25	Fairy Basslet (Royal Gramma), <i>Gramma loreto</i>	Grammatidae	A
901b	\$3.25	Four-eyed Butterflyfish, <i>Chaetodon capistratus</i>	Chaetodontidae	A
901c	\$3.25	Glasseye Snapper, <i>Heteropriacanthus cruentatus</i>	Priacanthidae	A
901d	\$3.25	Spotted Eagle Ray, <i>Aetobatus narinari</i>	Myliobatidae	A
902	SS \$10	Queen Angelfish, <i>Holacanthus ciliaris</i>	Pomacanthidae	A
903	SS \$10	Smooth Trunkfish, <i>Lactophrys triquetter</i>	Ostraciidae	A

**24 March 2015** (Marine Life of Taiwan) (MS/6)

906a	\$3.15	Warty Frogfish, <i>Antennarius maculatus</i>	Antennariidae	A
906c	\$3.15	Bluering Angelfish, <i>Pomacanthus annularis</i>	Pomacanthidae	A
906d	\$3.15	Maroon Clownfish, <i>Amphiprion tricinctus</i>	Pomacentridae	A

**ST. MARTIN****14 October 2015** (Fish) (Block/10)

73a	25c	Talking Catfish, <i>Acanthodoras spinosissimus</i>	Doradidae	A
73b	50c	Bigeye Cichlid, <i>Acaronia nassa</i>	Cichlidae	A
73c	75c	no common name, <i>Acestrorhynchus falcatus</i>	Acestrorhynchidae	A
73d	100c	Midas Cichlid, <i>Amphilophus citrinellus</i>	Cichlidae	A
73e	150c	Emerald Catfish, <i>Brochis (Corydoras) splendens</i>	Callichthyidae	A
73f	250c	no common name, <i>Erythrinus erythrinus</i>	Erythrinidae	A
73g	350c	Splash Tetra, <i>Copella arnoldi</i>	Lebiasinidae	A
73h	400c	Glass Headstander, <i>Charax gibbosus</i>	Characidae	A
73i	500c	Green Discus, <i>Symphysodon aequifasciatus</i>	Cichlidae	A
73j	600c	Redtail Catfish, <i>Phractocephalus hemioliopterus</i>	Pimelodidae	A

**9 December 2015** (Pilioko Paintings) (Vert Strip/4)

75a	275c	Stylized fish		S
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**ST. PIERRE & MIQUELON****28 March 2015** (Fishing Trawler)

1011	€1.05	Fishing trawler <i>Victor Pleven</i> (no fish)		R
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**19 February 2016** (Fishing Boat)

1023	80c	Fishing boat & equipment		R
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**18 March 2016** (Fishing Trawler)

1024	€1.10	Fishing trawler (no fish)		R
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**ST. THOMAS & PRINCE IS.****8 August 2014** (Eagles) (MS/4)

2676c	25000d	U/I fish (in eagle's talon)		U C
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**8 August 2014** (Turtles) (SS/1)

2696	SS 96000d	U/I reef fish with sea turtle		U C
	Margin	Top: U/I fish with sea turtle		U C
		MR: U/I reef fish		U C
		Bot: Small U/I reef fish		U C

**15 October 2014** (Kingfishers) (MS/4 & SS/1)

2763a	25000d	U/I small fish in kingfisher's beak		U C
2763d	25000d	U/I small fish in kingfisher's beak		U C
2783	SS 98000d	R: U/I small fish in kingfisher's beak		U C

**ST. THOMAS & PRINCE IS. (cont) 15 October 2014 (Fish) (MS/4 & SS/1)**

2765a	25000d	Bandwing Flyingfish, <i>Cheilopogon exsiliens</i>	Exocoetidae	A
2765b	25000d	Spotted Boxfish, <i>Ostracion cubicus</i>	Ostraciidae	A
2765c	25000d	Mandarinfish, <i>Synchiropus splendidus</i>	Callionymidae	A
2765d	25000d	Golden Arowana, <i>Scleropages formosus</i>	Osteoglossidae	A
2785	SS 96000d	Siamese Fighting Fish, <i>Betta splendens</i>	Belontiidae	A
	Margin	R: Golden Arowana, <i>Scleropages formosus</i>	Osteoglossidae	Z

**17 November 2014 (Turtles) (SS/1)**

2826	SS 96000d	Bot: U/I reef fish		U Z
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**16 March 2015 (Taipei 2015 Intl. Stamp Expo) (MS/4 & SS/1)**

2833	Margin	UL: Three stylized fish in Taipei 2015 logo		S Z
2834	SS 38000d	UL: Three stylized fish in Taipei 2015 logo		S Z

**21 May 2015 (Singapore 2015 Intl. Stamp Expo) (MS/4 & SS/1)**

2873a	15000d	Giant Trevally, <i>Caranx ignobilis</i>	Carangidae	A
2873b	15000d	Redfish, <i>Centroberyx affinis</i>	Berycidae	A
2873c	15000d	Sling-jaw Wrasse, <i>Epibulus insidiator</i>	Labridae	A
2873d	15000d	Ribboned Sweetlips, <i>Plectorhinchus polytaenia</i>	Haemulidae	A
2874	SS 38000d	Blackspot Tuskfish, <i>Choerodon schoenleinii</i>	Labridae	A

**21 May 2015 (Dolphins) (MS/4)**

2879	Margin	UL: Hammerhead Shark, <i>Sphyrna</i> sp.	Sphyrnidae	Z
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**21 May 2015 (Manatees) (MS/4)**

2880	Margin	UL: Hammerhead Shark, <i>Sphyrna</i> sp.	Sphyrnidae	Z
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**21 May 2015 (Piranhas) (MS/4)**

2886a	19000d	no common name, <i>Pristobrycon careospinus</i>	Serrasalminidae	A
2886b	19000d	Lobetoothed Piranha, <i>Pygopristis denticulata</i>	Serrasalminidae	A
2886c	19000d	Redeye Piranha, <i>Serrasalmus rhombeus</i>	Serrasalminidae	A
2886d	19000d	Red Piranha, <i>Pygocentrus nattereri</i>	Serrasalminidae	A
2904	SS 86000d	no common name, <i>Pristobrycon striolatus</i>	Serrasalminidae	A

**21 May 2015 (Turtles) (MS/4)**

2888	Margin	UL: Hammerhead Shark, <i>Sphyrna</i> sp.	Sphyrnidae	Z
2906	SS 86000d	LL: Moray Eel	Muraenidae	Z
	Margin	Bkgrd: Small U/I reef fish		U Z

**18 November 2015 (Endangered Turtle) (SS/1)**

2989	SS 96000d	Bot: U/I reef fish		U Z
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**29 December 2015 (Dolphins) (MS/4)**

3009	Margin	Bkgrd: Small U/I reef fish		U Z
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**ST. VINCENT 31 December 2015 (Dolphins) (MS/4 & SS/1)**

4038	Margin	Bot: Small U/I reef fish		U Z
4039	\$10	Small U/I reef fish		U C

**SAMOA 16 March 2015 (Endangered Marine Life) (Strip/3+3 labels)**

1206a	\$6.25	Brown-marbled Grouper, <i>Epinephelus fuscoguttatus</i>	Serranidae	A
1206c	\$45	Whale Shark, <i>Rhincodon typus</i>	Rhincodontidae	A

**SLOVAKIA 9 October 2015 (Nature Protection) (SS/2+5 labels)**

723	Label	Brown Trout, <i>Salmo trutta</i>	Salmonidae	Z
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**3 November 2015 (Child's Drawing)**

726	45c	Stylized fish		S
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**SLOVENIA****9 July 2015** (Tuna Fishermen in Tонера)

1135 64c Tuna Scombridae U B

**6 July 2016** (Fish)1187 64c European Pilchard, *Sardina pilchardus* Clupeidae A**SOLOMON ISLANDS****24 May 2015** (Singapore 2015 World Stamp Expo) (SS/1)1769 SS \$20 Asia Arowana, *Scleropages formosus* Osteoglossidae A**26 June 2015** (Coral Reef Fish) (MS/4 & SS/1)1816a \$12 Undulate Triggerfish, *Balistapus undulatus* Balistidae A1816b \$12 Seahorse, *Hippocampus* sp. Syngnathidae A1816c \$12 Clown Triggerfish, *Balistoides conspicillum* Balistidae A1816d \$12 Foureye Butterflyfish, *Chaetodon capistratus* Chaetodontidae A1836 SS \$40 Bluelined Snapper, *Lutjanus kasmira* Lutjanidae A**1 November 2015** (Anemonefish) (Set/9)1926 \$5 Pink Anemonefish, *Amphiprion perideraion* Pomacentridae A1927 \$10 Orange Anemonefish, *Amphiprion sandaracinos* Pomacentridae A1928 \$15 White-bonnet Anemonefish, *Amphiprion leucokranos* Pomacentridae A1929 \$20 Clownfish, *Amphiprion* sp. Pomacentridae A1930 \$25 Saddle-back Anemonefish, *Amphiprion polymnus* Pomacentridae A1931 \$30 Clark's Anemonefish, *Amphiprion clarkii* Pomacentridae A1932 \$35 Orange-fin Anemonefish, *Amphiprion chrysopterus* Pomacentridae A1933 \$40 Red-and-black Anemonefish, *Amphiprion melanopus* Pomacentridae A1934 \$45 Spinecheek Anemonefish, *Amphiprion biaculeatus* Pomacentridae A**30 November 2015** (WWF) (Horiz Strip/4, SS/4, MS/8+label, SS/1)1935a \$7 Humpback Grouper, *Cromileptes altivelis* (three fish) Serranidae A

1935b \$7 Same species (one fish) Serranidae A

1935c \$7 Same species (one fish) Serranidae A

1935d \$7 Same species (two fish) Serranidae A

1935e SS/4 (Sc#1935a–d)

1935f MS/8+ label (2ea Sc#1935a–d)

1936 SS \$40 Humpback Grouper, *Cromileptes altivelis* (also in margin) Serranidae A**30 November 2015** (70th anniv. United Nations) (MS/4)

1937d \$7 Stylized Seahorse &amp; Shark on coat of arms S

**30 November 2015** (Renoir Paintings) (MS/4)

1946c \$7 "The Fisherman and Self Portrait" R

**30 November 2015** (Fish) (MS/4 & SS/1)1950a \$7 Balloonfish, *Diodon holocanthus* Diodontidae A1950b \$7 Yellowband Sweetlips, *Plectorhinchus lineatus* Haemulidae A1950c \$7 Clown Triggerfish, *Balistoides conspicillum* Balistidae A1950d \$7 Cichlid, *Amphilophus* sp. (hybrid) Cichlidae A1969 SS \$40 Rainbow Trout, *Oncorhynchus mykiss* Salmonidae A**30 November 2015** (Whales) (SS/1)

1967 SS \$40 R: Various U/I fish U Z

**13 May 2016** (Reef Fish) (MS/4 & SS/1)1989a \$7 Queen Angelfish, *Holocanthus ciliaris* Pomacanthidae A1989b \$7 Lionfish, *Pterois volitans* Scorpaenidae A1989c \$7 Clown Triggerfish, *Balistoides conspicillum* Balistidae A

**SOLOMON ISLANDS** (continued)

1989d	\$7	Copperband Butterflyfish, <i>Chelmon rostratus</i>	Chaetodontidae	A
2014	SS \$35	Emperor Angelfish, <i>Pomacanthus imperator</i>	Pomacanthidae	A

**13 May 2016** (Turtles) (MS/4 & SS/1)

1993b	\$7	U/I fish		U C
2018	SS \$35	U/I fish		U C

**SOUTH AFRICA****12 August 2015** (Jellyfish) (MS/10)

1547	Margin	UR & Bot: U/I fish		U Z
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**S. GEORGIA & S. SANDWICH IS.** **21 June 2015** (Last British Steam Trawler) (Set/4 & SS/1)

534	70p	Fishing trawler (no fish)		R
535	70p	Fishing trawler (no fish)		R
536	80p	Fishing trawler (no fish)		R
537	\$1.25	Fishing trawler (no fish)		R
538	SS \$2.50	Fishing trawler (no fish)		R

**21 December 2015** (Biodiversity) (Set/6)

C9	70p	Crested Bigscale, <i>Poromitra crassiceps</i>	Melamphaidae	A
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**SPAIN****21 July 2015** (Protected Animals) (Block/4)

4060d	55c	Sturgeon	Acipenseridae	U
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**SURINAM****25 November 2015** (Van Reijen Intl. Agencies) (SS/2) (s-o-s)

1490b	\$6	Lantern Bass, <i>Serranus baldwini</i> (Surinam 2013 stamp)	Serranidae	A
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**18 May 2015** (Fish) (Block/12)

1495a	\$1.50	Lake Sturgeon, <i>Acipenser fulvescens</i>	Acipenseridae	A
1495b	\$1.75	White Sturgeon, <i>Acipenser transmontanus</i>	Acipenseridae	A
1495c	\$2.50	Bowfin, <i>Amia calva</i>	Amiidae	A
1495d	\$2.75	Alligator Gar, <i>Atractosteus spatula</i>	Lepisosteidae	A
1495e	\$3.50	American Brook Lamprey, <i>Lampetra (Lethenteron) appendix</i>	Petromyzontidae	A
1495f	\$3.75	Spotted Gar, <i>Lepisosteus oculatus</i>	Lepisosteidae	A
1495g	\$4.50	Cutthroat Trout, <i>Oncorhynchus clarkii</i>	Salmonidae	A
1495h	\$4.75	Coho Salmon, <i>Oncorhynchus kisutch</i>	Salmonidae	A
1495i	\$5.50	Sockeye Salmon, <i>Oncorhynchus nerka</i>	Salmonidae	A
1495j	\$5.75	Chinook Salmon, <i>Oncorhynchus tshawytscha</i>	Salmonidae	A
1495k	\$6.50	Paddlefish, <i>Polyodon spathula</i>	Polyodontidae	A
1495l	\$7.25	Pallid Sturgeon, <i>Scaphirhynchus albus</i>	Acipenseridae	A

**SWEDEN****17 March 2016** (International Foods) (Coil & Bklt/10)

2771	13k	Three U/I fish (herring?) (Nordic Foods) (coil)		U C
2772b	7k	U/I fish (Japanese sushi)		U C
2772		Vert Strip/5 (Sc#2772a-e)		
2772f	7k	Bklt/10 (2ea Sc#2772a-e)		

**5 May 2016** (Vacation Activities) (coil) (s/a)

2775	6k	Fisherman with pole (no fish)		R
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**TOKELAU****13 October 2015** (Tokelau Language Week) (2ea MS/5)

446b	45c	Two tackle boxes		R
447b	\$1.40	Seven fish		S
447e	\$1.40	Ten fish hooks		R

<b>TONGA</b>		<b>1 April 2015</b> (Seahorse) (Set/4) (surch)			
1262	90s	Thorny Seahorse, <i>Hippocampus histrix</i> (Sc#1175 surch)	Syngnathidae	A	
1263	1pa	Same species (Sc#1176 surch)	Syngnathidae	A	
1264	1.10pa	Same species (Sc#1173 surch)	Syngnathidae	A	
1265	1.20pa	Same species (Sc#1174 surch)	Syngnathidae	A	
<b>TONGA (Niufo'ou)</b>		<b>1 April 2015</b> (Shark) (Set/4) (surch)			
324	90s	Zebra Shark, <i>Stegostoma fasciatum</i> (Sc#271 surch)	Stegostomatidae	A	
325	1pa	Same species (Sc#272 surch)	Stegostomatidae	A	
326	1.10pa	Same species (Sc#273 surch)	Stegostomatidae	A	
327	1.20pa	Same species (Sc#274 surch)	Stegostomatidae	A	
<b>UNITED ARAB EMIRATES</b>		<b>17 June 2015</b> (Women's Museum) (Horiz Strip/5)			
1133a	3d	U/I fish with woman fish seller			U B
<b>UNITED STATES</b>		<b>2 August 2016</b> (Pets) (Bklt/20)			
5107	(47c)	Siamese Fighting Fish, <i>Betta splendens</i>	Belontiidae	A	
5110	(47c)	Goldfish, <i>Carassius auratus</i>	Cyprinidae	A	
5125a		Bklt/20 (Sc#5106–25)			
<b>UZBEKISTAN</b>		<b>22 January 2016</b> (Fauna) (Set/4)			
796	1500s	Sea Trout, <i>Salmo trutta oxianus</i>	Salmonidae	A	
<b>VANUATU</b>		<b>28 October 2015</b> (Restaurants) (Set/4)			
1091	120v	U/I fish head			U C

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## PETS

On 2 August 2016, the United States Postal Service issued a double-sided booklet of 20 plus a label (Sc#5125a) depicting various types of pets commonly kept by people. The booklet has 12 stamps on one side (Sc#5106–17) and eight stamps on the other side (Sc#5118–25).

The self-adhesive forever (47c) stamps (the USPS calls them pressure-sensitive) were design by Derry Noyes and printed by Ashton-Potter (USA), Ltd. A total of 400 million stamps were printed.



Sc#5107 shows a Siamese Fighting Fish (*Betta splendens*). These are popular aquarium fish that are very territorial. Males will invariably fight each other if housed together and even the females can be territorial if they are not kept in a large enough tank.

The fish are native to the Mekong River area in Southeast Asia and are found in standing water of canals and rice paddies. Aquarium specimens are known for their brilliant colors and large fins. Natural specimens are typically dull green, brown, or grey and have smaller fins.

They feed on the larvae of mosquitos and other water insects as well as crustaceans and zooplankton.



# ENTOMOLOGY

Editor

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



## New Listings

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
<b>ARGENTINA</b>				
<b>2014 April 14</b> (Iguazu Falls) (SS/3) (new data)				
2725a	8p	<i>Doxocopa linda</i> ssp. <i>mileta</i> Boisduval	NYM, Apaturinae	A
	Margin	UL: Red Anartia, <i>Anartia amathea</i> L.	NYM, Nymphalinae	Z
		LL: Cramer's Eighty-eight, <i>Diaethria clymena</i> Cramer	NYM, Biblidinae	Z
		UR: Iridescent Blue, <i>Dynamine tithia</i> Hübner	NYM, Biblidinae	Z
<b>ARUBA</b>				
<b>2016 April 29</b> (Butterflies) (Set/8) (correction)				
487	130c	Claudia's Beauty, <i>Agrias claudina</i> Godart	NYM, Charaxinae	
<b>2016 September 30</b> (Insects) (Set/8)				
	50c	Roseate or Red Skimmer, <i>Orthemis ferruginea</i> Fabr.	LIB, Tetrathemistinae	A
	90c	American Cockroach, <i>Periplaneta americana</i> L.	BLA, Blattinae	A
	100c	Fire Ant, <i>Solenopsis</i> sp.	FOR, Myrmicinae	A
	130c	Great Green Bush Cricket, <i>Tettigonia viridissima</i> L.	TET, Tettigoniinae	A
	200c	Western Honeybee, <i>Apis mellifera</i> L.	API, Apinae	A
	220c	Housefly, <i>Musca domestica</i> L.	MUS, Muscinae	A
	275c	Common Wasp, <i>Vespula vulgaris</i> L.	VES, Vespinae	A
	320c	Red Eye, <i>Psaltoda moerens</i> Germar	CIC, Cicadinae	A
<b>AUSTRALIA</b>				
<b>2016 September 6</b> (Jewel Beetles) (Set/4)				
	\$1	<i>Stigmodera gratiosa</i> Chevrolat (also in s/a bklt & coil)	BUP, Buprestinae	A
	\$1	<i>Castiarina klugii</i> Gory & Laporte (also in s/a bklt & coil)	BUP, Buprestinae	A
	\$2	<i>Temognatha alternata</i> Lumholtz	BUP, Buprestinae	A
	\$2	<i>Julodimorpha bakewelli</i> White	BUP, Julodinae	A
<b>BELARUS</b>				
<b>2016 August 12</b> (Beekeeping) (SS/2+2 labels)				
a	P	Western Honeybee, <i>Apis mellifera</i> L. (beekeeper smoking hives)	API, Apinae	C
b	P	Western Honeybee, <i>Apis mellifera</i> L. (on flower)	API, Apinae	A
	Label	L: Open box hives & tiny bees	API, Apinae	C
		R: Closed box hives & tiny bees	API, Apinae	C
<b>2016 October 16</b> (Butterflies & Moths) (Set/4, 4ea MS/5, SS/4)				
Each also issued in MS/5 with a label showing its larva. Each has an invisible butterfly silhouette security imprint.				
a	A	Garden Tiger Moth, <i>Arctia caja</i> L.	ARC, Arctiinae	A
b	N	Mourning Cloak, <i>Nymphalis antiopa</i> L.	NYM, Nymphalinae	A
c	M	Six-Spot Burnet Moth, <i>Zygaena filipendulae</i> L.	ZYG, Zygaeninae	A
d	H	Eyed Hawkmoth, <i>Smerinthus ocellatus</i> L.	SPH, Smerinthinae	A
		SS/4 (a-d)		
	Margin	UR: U/I species	LYC, Polyommatae	U Z
		MR: Peacock, <i>Nymphalis io</i> L.	NYM, Nymphalinae	Z
		LR: Small Tortoise Shell, <i>Nymphalis urticae</i> L.	NYM, Nymphalinae	Z

**BERMUDA****2016 October 20** (Lifecycle of a Monarch) (MS/4)

50c	Monarch, <i>Danaus plexippus</i> L. (larva)	NYM, Danainae	A
\$1	Same species (hanging pre-chrysalis & chrysalis)	NYM, Danainae	A
\$1.15	Same species (newly emerged adult)	NYM, Danainae	A
\$1.35	Same species (adult)	NYM, Danainae	A
Margin	L: Same species (pre-chrysalis J shape)	NYM, Danainae	Z
	Ctr: Same species (chrysalis showing color ready to emerge)	NYM, Danainae	Z
	Ctr: Same species (adult just emerging from chrysalis)	NYM, Danainae	Z

**BRAZIL****2016 October 20** (Brazilian Butterflies) (MS/6 & MS/20)

a	1.70r	<i>Aricoris middletoni</i> Sharpe	RIO, Riodininae	(new) A
b	1.70r	<i>Evenus gabriela</i> Cramer	LYC, Theclinae	A
c	1.70r	<i>Parides bunichus</i> ssp. <i>bunichus</i> Hübner	PAP, Papilioninae	A
d	1.70r	Common Melwhite, <i>Melete lycimnia</i> Cramer	PIE, Pierinae	A
e	1.70r	<i>Myscelia orsis</i> Drury, ♀	NYM, Biblidinae	A
f	1.70r	<i>Mimoniades versicolor</i> Latreille	HES, Pyrginae	A
Margin		UL: <i>Episcada hymenaea</i> Prittwitz	NYM, Danainae	Z
		ML: U/I chrysalis		U Z
		LL: U/I larva		U Z
a	(1.30r)	<i>Udranomia spitzzi</i> Hayward	HES, Pyrginae	A
b	(1.30r)	Ruddy Daggerwing, <i>Marpesia petreus</i> Cramer	NYM, Cyrestinae	A
c	(1.30r)	Noble Emesis, <i>Emesis fatimella</i> Westwood	RIO, Riodininae	(new) A
d	(1.30r)	Short-Lined Kite, <i>Protographium agesilaus</i> Guér. & Percheron	PAP, Papilioninae	(new) A
e	(1.30r)	Caribbean Buckeye, <i>Junonia evarete</i> Cramer	NYM, Nymphalinae	A
f	(1.30r)	Red Anartia, <i>Anartia amathea</i> L.	NYM, Nymphalinae	A
g	(1.30r)	Sara Longwing, <i>Heliconius sara</i> ssp. <i>apseudes</i> Hübner	NYM, Heliconiinae	(new) A
h	(1.30r)	Glittering Sapphire, Narses Metalmark, <i>Lasaia agesilas</i> Latreille	RIO, Riodininae	(new) A
i	(1.30r)	Banded Lady, Vivid Painted Lady, <i>Vanessa myrinna</i> Doubleday	NYM, Nymphalinae	A
j	(1.30r)	Orange-Banded Gem, <i>Crocozona coecias</i> Hewitson	RIO, Riodininae	A
k	(1.30r)	Malachite, <i>Siproeta stelenes</i> L.	NYM, Nymphalinae	A
l	(1.30r)	Esmeralda Longtail, <i>Urbanus esmeraldus</i> Butler	HES, Pyrginae	(new) A
m	(1.30r)	<i>Phocides</i> sp.	HES, Pyrginae	A
n	(1.30r)	Starry Night Metalmark, <i>Echydna punctata</i> C&R Felder	RIO, Riodininae	(new) A
o	(1.30r)	<i>Chorinea licursis</i> Fabr.	RIO, Riodininae	(new) A
p	(1.30r)	<i>Chamaelimnas briola</i> ssp. <i>meridionalis</i> Lathy	RIO, Riodininae	(new) A
Margin		L: U/I chrysalis		U Z

**CHINA (Taiwan)****2016 October 21** (PhilaTaipei 2016) (SS/4)

\$13	Stylized butterfly with lake & mountain	Lepidoptera	S
Margin	UR: Stylized butterfly (also butterfly-shaped perforations)		S Z

**2016 October 25** (PhilaTaipei 2016) (SS/2)

Margin	MR: Tiny butterfly silhouette (with tree & ocean scene)	Lepidoptera	S Z
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**FINLAND****2016 January 22** (Definitives) (Bklt/5+5 labels)

1508d	(€1.10)	Highly stylized butterfly (with bird)	Lepidoptera	S
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**2016 September 9** (WWF) (Vert Strip/3+3 etiquettes)

1519b	(€1.20)	Pygmy Damselfly, <i>Nehalennia speciosa</i> Charpentier	COE, Coenagrioninae	A
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**FRANCE****2016 January 30** (Sense of Hearing) (Bklt/12)

4972	(70c)	Cricket	Gryllidae	U B
4973	(70c)	Various stylized insects		S
4982	(70c)	Stylized butterflies (with harp, lyre, & flowers)	Lepidoptera	S

<b>THE GAMBIA</b>		<b>2016 (Butterflies) (2ea MS/4 &amp; 2ea SS/2)</b>			
a	50d	Banded Blue Morpho, <i>Morpho achilles</i> L.		NYM, Morphinae	A
b	50d	Gold-Banded Forester, <i>Euphaedra neophron</i> Hopffer (Cap: <i>Morpho peleides</i> )		NYM, Limenitidinae	A
c	50d	Tailed Green Jay, <i>Graphium agamemnon</i> L. (Cap: <i>Siproeta stelenes</i> )		PAP, Papilioninae	A
d	50d	Malachite, <i>Siproeta stelenes</i> L. (Cap: <i>Graphium agamemnon</i> )		NYM, Nymphalinae	A
	Margin	UL: <i>Troides</i> sp.		PAP, Papilioninae	Z
		MR: Cabbage White, <i>Pieris rapae</i> L.		PIE, Pierinae	Z
a	50d	Red Postman, <i>Heliconius erato</i> L.		NYM, Heliconiinae	A
b	50d	Postman, <i>Heliconius melpomene</i> L.		NYM, Heliconiinae	A
c	50d	Zebra, <i>Protographium marcellus</i> Cramer		PAP, Papilioninae	A
d	50d	Cruiser, <i>Vindula erota</i> Fabr.		NYM, Heliconiinae	A
	Margin	LL & UR: Monarch, <i>Danaus plexippus</i> L.		NYM, Danainae	Z
a	SS 75d	Emerald Swallowtail, <i>Papilio palinurus</i> Fabr.		PAP, Papilioninae	A
b	SS 75d	Thoas Swallowtail, <i>Papilio thoas</i> L.		PAP, Papilioninae	A
	Margin	UR: Two Cabbage Whites, <i>Pieris rapae</i> L.		PIE, Pierinae	Z
a	SS 75d	large Tree Nymph, <i>Idea leuconoe</i> Erichson		NYM, Danainae	A
b	SS 75d	Postman, <i>Heliconius melpomene</i> L.		NYM, Heliconiinae	A
	Margin	MR: Three stylized butterflies		Lepidoptera	S Z
		LR: <i>Troides</i> sp.		PAP, Papilioninae	Z

<b>GREAT BRITAIN</b>		<b>2016 September 14 (Ladybirds) (Vert Strip/6) (s/a)</b>			
a	(64p)	Seven-Spot Ladybird, <i>Coccinella septempunctata</i> L.		COC, Coccinellinae	A
b	(64p)	14-Spot Ladybird, <i>Propylea quatuordecimpunctata</i> L.		COC, Coccinellinae	A
c	(64p)	Orange or 16-Spot Ladybird, <i>Halyzia sedecimguttata</i> L.		COC, Coccinellinae	A
d	(64p)	Heather Ladybird, <i>Chilocorus bipustulatus</i> L.		COC, Chilcorinae	A
e	(64p)	Striped Ladybird, <i>Myzia oblongoguttata</i> L.		COC, Coccinellinae	A
f	(64p)	Water or 19-Spot Ladybird, <i>Anisosticta novemdecimpunctata</i> L.		COC, Coccinellinae	A

<b>GREAT BRITAIN (Jersey)</b>		<b>2016 September 14 (Ladybirds) (Vert Strip/6) (s/a)</b>			
	Loc 100g (48p)	Orange or 16-Spot Ladybird, <i>Halyzia sedecimguttata</i> L.		COC, Coccinellinae	A
	UK 100g (60p)	Bloody-nosed beetle, <i>Timarcha tenebricosa</i> Fabr. (So called because it emits a foul smelling, red liquid from its mouth when disturbed.)		CHR, Chrysomelinae	A
	Eur 20g (66p)	Striped Ladybird, <i>Myzia oblongoguttata</i> L.		COC, Coccinellinae	A
	Loc 1g (76p)	Harlequin or Asian Ladybird, <i>Harmonia axyridis</i> Pallas		COC, Epilachninae	A
	Intl 20g (88p)	Seven-Spot Ladybird, <i>Coccinella septempunctata</i> L.		COC, Coccinellinae	A
	UK 1g (£1)	Banded Sexton Beetle, <i>Nicrophorus investigator</i> Herschel		SIL, Nicrophorinae	A

<b>INDONESIA</b>		<b>2016 November 5 (Flora &amp; Fauna) (MS/6 &amp; SS/1)</b>			
a	3000r	Haliphron Birdwing, <i>Troides haliphron</i> Boisduval		PAP, Papilioninae	(new) A
b	3000r	Common Birdwing, <i>Troides helena</i> L.		PAP, Papilioninae	A
c	3000r	<i>Papilio peranthus</i> Fabr.		PAP, Papilioninae	A
d	3000r	Red Lacewing, <i>Cethosia biblis</i> Drury		NYM, Heliconiinae	A
e	3000r	Sulawesi Blue Mormon, <i>Papilio ascalaphus</i> Boisduval		PAP, Papilioninae	A
f	3000r	Gray Pansy, <i>Junonia atlites</i> L.		NYM, Nymphalinae	A
	Margin	MR: Color registration marks are stylized swallowtail silhouettes		PAP, Papilioninae	S Z
	SS 10000r	Common Birdwing, <i>Troides helena</i> L.		PAP, Papilioninae	A
	Margin	Bot: Sulawesi Blue Mormon, <i>Papilio ascalaphus</i> Fabr.		PAP, Papilioninae	Z

<b>ITALY</b>		<b>2016 October 21 (Philately Day)</b>			
	95c	Southern Swallowtail, <i>Papilio alexanor</i> Esper		PAP, Papilioninae	A

<b>IVORY COAST</b>		<b>2016 (Butterflies) (MS/2 &amp; SS/1)</b>			
a	1000fr	Euchenor Butterfly, <i>Papilio euchenor</i> Guerin-Méneville	PAP, Papilioninae	A	
b	1000fr	Punchinello, <i>Zemerus flegyas</i> Cramer	RIO, Riodininae	A	
	Margin	LL: Ruddy Daggerwing, <i>Marpesia petreus</i> Cramer	NYM, Cyrestinae	Z	
		Bot: 20 assorted stylized butterfly silhouettes	Lepidoptera	S Z	
	SS 1600fr	Gold-Banded Forester, <i>Euphaedra neophron</i> Hopffer (triangular)	NYM, Limenitidinae	A	
	Margin	LR: Tiger Leafwing, <i>Consul fabius</i> Cramer	NYM, Charaxinae	Z	
		LL: Stylized butterfly silhouette	Lepidoptera	S Z	
		Top: 18 assorted stylized butterfly silhouettes	Lepidoptera	S Z	
<b>JAPAN</b>		<b>2016 September 23 (National Monuments Kamikochi) (MS/10)</b>			
f	82¥	Poplar Admiral, <i>Limenitis populi</i> L.	NYM, Limenitidinae	A	
i	82¥	Orange Tip, <i>Anthocharis cardamines</i> L.	PIE, Pierinae	A	
j	82¥	Palaeno Sulfur, Clouded Yellow, <i>Colias palaeno</i> L.	PIE, Coliadinae	A	
<b>LITHUANIA</b>		<b>2016 July 9 (Cucumbers &amp; Honey)</b>			
1080	39c	Honey from Western Honeybee, <i>Apis mellifera</i> L. (no insect)	API, Apinae	R	
<b>MADAGASCAR</b>		<b>2016 (Scouts &amp; Nature) (MS/3 &amp; SS/1)</b>			
a	2500m	<i>Epilema exornata</i> Eversmann (Cap: <i>Eversmannia exornata</i> )	URA, Epipleminae	A	
b	2500m	<i>Troides hypolitus</i> Cramer	PAP, Papilioninae	A	
c	2500m	False Apollo, <i>Archon apollinus</i> Herbst	PAP, Parnassiinae	A	
	Margin	UR: Old World Swallowtail, <i>Papilio machaon</i> L.	PAP, Papilioninae	Z	
	SS 8600m	Monarch, <i>Danaus plexippus</i> L. (also in LR margin)	NYM, Danainae	B	
	Margin	UR: Old World Swallowtail, <i>Papilio machaon</i> L.	PAP, Papilioninae	Z	
<b>MALAYSIA</b>		<b>2016 August 23 (Tujuh Keajaiban Flora &amp; Fauna) (SS/7)</b>			
b	50s	<i>Meliponula ferruginea</i> Cockerell	API, Apinae	A	
	Margin	UR; Red Lacewing, <i>Cethosia chrysippe</i> L.	NYM, Heliconiinae	Z	
<b>MEXICO</b>		<b>2016 October 28 (50th anniv. Diplomatic Relations with Jamaica) (Pair)</b>			
a	7p	Jamaican Swallowtail, <i>Papilio homerus</i> Fabr. (Cap: <i>crephontes</i> )	PAP, Papilioninae	A	
b	11.50p	Monarch, <i>Danaus plexippus</i> L. ♂	NYM, Danainae	A	
<b>PAPUA NEW GUINEA</b>		<b>2016 (Personalizable)</b>			
	5t	Queen Alexandra's Birdwing, <i>Troides alexandrae</i> Roths. ♂ & ♀	PAP, Papilioninae	A	
	5t	Same species (purple value numeral) (also on attached label) ♂	PAP, Papilioninae	A	
		<b>2016 May 19 (Coins &amp; Bank Notes) (Block/4)</b>			
a	1.45k	Paradise Birdwing, <i>Troides paradisea</i> Staudinger (silhouette)	PAP, Papilioninae	S B	
<b>ST. MARTIN</b>		<b>2016 January 2 (Butterflies) (MS/10) (correction-Jose Reis)</b>			
81	500c	Lebasi's Perisama, <i>Perisama lebasii</i> Guérin-Méneville (Cap: <i>Perisama Priene</i> )	NYM, Biblidinae	(new) A	
		<b>2016 (Butterflies) (MS/10+2 labels)</b>			
a	25c	Zebra Swallowtail, <i>Protographium marcellus</i> Cramer (Cap: <i>Eurytides</i> )	PAP, Papilioninae	A	
b	100c	Starry Night Cracker, <i>Hamadryas laodamia</i> Cramer	NYM, Biblidinae	A	
c	125c	Postman, <i>Heliconius melpomene</i> L.	NYM, Heliconiinae	A	
d	200c	Leonard's Skipper, <i>Hesperia leonardus</i> Harris (also on label)	HES, Hesperinae	(new) A	
e	250c	Amymone, <i>Mestra dorcas</i> ssp. <i>amymone</i> Ménéties	NYM, Biblidinae	(new) A	
f	300c	Blue Wave, <i>Myscelia ethusa</i> Boisduval	NYM, Biblidinae	A	
g	350c	Riding's Satyr, <i>Neominois ridingsii</i> Edwards	NYM, Satyrinae	(new) A	
h	400c	Eastern Black Swallowtail, <i>Papilio polyxenes</i> Fabr. (also label)	PAP, Papilioninae	A	
i	450c	Bloody Spot, Guava Skipper, <i>Phocides polybius</i> Fabr.	HES, Pyrginae	A	
j	500c	<i>Riodina lysippus</i> L.	RIO, Riodininae	(new) A	

<b>SWITZERLAND</b>		<b>2016 May 12</b> (Europa–Environment) (Pair)		
b	100c	Stylized butterfly with leaves	Nymphalidae	S
		<b>2016 September 8</b> (Summer) (SS/2)		
b	100c	Very stylized butterfly with filigree laser cut-out	Lepidoptera	S
<b>TONGA</b>		<b>2016 January 4</b> (Air Post Special Delivery) (additional data)		
CE12a	Margin	Bkgrd: Common Lime Butterfly, <i>Papilio demoleus</i> L.	PAP, Papilioninae	Z
<b>TONGA (Niuafu'ou)</b>		<b>2016 January 4</b> (Air Post Special Delivery) (additional data)		
CE11a	Margin	Bkgrd: Monarch, <i>Danaus plexippus</i> L.	NYM, Danainae	Z
<b>UNITED STATES</b>		<b>2016 September 24</b> (Non-machinable)		
5136	(68c)	Eastern Tailed Blue, <i>Cupido comyntas</i> Godart	LYC, Polyommatinae	A
		<b>2017</b> (Non-machinable)		
	(68c)	California Dogface, <i>Zerene eurydice</i> Godart	PIE, Coliadinae	A
<b>URUGUAY</b>		<b>2016 October 7</b> (Butterflies of Uruguay) (MS/9+3 labels)		
a	20p	<i>Chorinea licursis</i> Fabr.	RIO, Riodininae	A
b	20p	Sweet-Oil Tiger, <i>Mechanitis lysimnia</i> ssp. <i>lysimnia</i> Fabr.	NYM, Danainae	A
c	20p	Tropical Buckeye, <i>Junonia genoveva hilaris</i> C&R Felder	NYM, Nymphalinae	A
		MS/9 (3ea #a–c) with three labels that give butterfly information		
	Margin	LR: Stylized butterfly silhouette color registration marks		
<b>Beyond the Catalog</b> (Issues of dubious validity)				
<b>CENTRAL AFRICAN REPUBLIC</b>		<b>2016 July 18</b> (Butterflies) (MS/4 & SS/1) (CA16401a–b)		
a	900fr	Common Morpho, <i>Morpho helenor</i> ssp. <i>peleides</i> Kollar	NYM, Morphinae	A
b	900fr	Lilac Clipper, <i>Parthenos sylvia</i> ssp. <i>lilacinus</i> Butler	NYM, Limenitidinae	A
c	900fr	Rusty-Tipped Page, <i>Siproeta epaphus</i> Latreille	NYM, Nymphalinae	A
d	900fr	Malay Cruiser, <i>Vindula dejone</i> Erichson	NYM, Heliconiinae	A
	Margin	UR: Lilac Clipper, <i>Parthenos sylvia</i> ssp. <i>lilacinus</i> Butler	NYM, Limenitidinae	Z
		MR: <i>Papilio</i> sp.	PAP, Papilioninae	U Z
		MR: U/I butterfly	Pieridae	U Z
	SS 3000fr	Black-Bordered Charaxes, <i>Charaxes pollux</i> Cramer	NYM, Charaxinae	A
	Margin	UL: Red-Spotted Purple, <i>Limenitis arthemis</i> ssp. <i>astyanax</i> Fabr.	NYM, Limenitidinae	Z
		UR: Painted Lady, <i>Vanessa cardui</i> L.	NYM, Nymphalinae	Z
		<b>2016 July 18</b> (Malaria Control) (MS/4 & SS/1) (CA16414a–b)		
a	750fr	<i>Anopheles stephensi</i> Liston	CUL, Anophelinae	A
	Margin	R: Common Malaria Mosquito, <i>Anopheles quadrimaculatus</i> Say	CUL, Anophelinae	Z
	SS 2650fr	Child under bed net		
	Margin	L: Western Malaria Mosquito, <i>Anopheles freeborni</i> Aitken	CUL, Anophelinae	Z
		(found only in SW United States)		
		<b>2016 July 18</b> (PhilaTaipei 2016 - Toad) (SS/1) (CA16415b)		
	SS 2000fr	UR & MR: Great Mormon, <i>Papilio memnon</i> L. ♀	PAP, Papilioninae	Z
<b>CHAD</b>		<b>2016</b> (Impressor) (2ea MS/4)		
a	200fr	Desert Locust, <i>Schistocerca gregaria</i> Forskål	ACR, Cyrtacanthacridinae	A
b	200fr	Weeping Grasshopper, <i>Eyprepocnemis plorans</i> Charpentier	ACR, Eyprepocnemidinae	A
c	200fr	<i>Maura rubroornata</i> Stål	PYRG, Pyrgomorphinae	A
d	200fr	Variiegated Grasshopper, <i>Zonocerus variegata</i> L.	PYRG, Pyrgomorphinae	A
	Margin	Each of above also in margin corners		Z
a	350fr	Salt & Pepper or Crotalaria Moth, <i>Utetheisa lotrix</i> Cramer (w/larva)	ARC, Arctiinae ( <b>new</b> )	A
b	350fr	Cotton Bollworm, <i>Helicoverpa armigera</i> Hübner (with larva)	NOC, Heliothinae	A

**CHAD** (continued)

c	350fr	Painted Lady, <i>Vanessa cardui</i> L. (with larva)	NYM, Nymphalinae	A
d	350fr	Banded Emperor, <i>Cinabra hyperbius</i> Westwood (with larva)	SAT, Saturniinae	(new) A
	Margin	Corners: Three larvae & a chrysalis		Z

**GUINEA****2016 July 18** (Bee-eaters) (MS/4 & SS/1) (GU16302a–b)

a	10000fr	Western Honeybee, <i>Apis mellifera</i> L.	API, Apinae	C
c	10000fr	4-Spotted Skimmer, <i>Libellula quadrimaculata</i> L.	LIB, Libellulinae	B
SS	40000fr	Western Honeybee, <i>Apis mellifera</i> L. (in bird's beak)	API, Apinae	C
	Margin	UR: Blue Diadem, <i>Hypolimnas salmaccis</i> Drury (in bird's beak)	NYM, Nymphalinae	Z
		R: Western Honeybee, <i>Apis mellifera</i> L. (7 of various sizes)	API, Apinae	Z

**2016 July 18** (Butterflies) (MS/4 & SS/1) (GU16305a–b)

a	10000fr	Diana Fritillary, <i>Speyeria diana</i> Cramer ♀	NYM, Heliconiinae	A
b	10000fr	Falcate Orange Tip, <i>Anthocharis midea</i> Hübner	PIE, Pierinae	A
c	10000fr	Tropical Milkweed Butterfly, <i>Lycorea halia</i> Hübner	NYM, Danainae	A
d	10000fr	Chiricahua Pine White, <i>Neophasia terlooii</i> Behr	PIE, Pierinae	A
	Margin	Mid: 3 Wood Nymphs, <i>Ideopsis gaura</i> Horsfield	NYM, Danainae	Z
		LR: Heliconius sp.	NYM, Heliconiinae	Z
		Top & LL: U/I larva		U Z
SS	40000fr	Rusty-tipped Page, <i>Siproeta epaphus</i> Latreille	NYM, Nymphalinae	A
	Margin	LL: African Giant Swallowtail, <i>Papilio antimachus</i> Drury (Cap: <i>Phengaris</i> sp.)	PAP, Papilioninae	Z
		UR: U/I larva		U Z
		MR: African Monarch, <i>Danaus chrysippus</i> L. (Cap: <i>Limenitis archippus</i> )	NYM, Danainae	Z
		LR: Heliconius sp.	NYM, Heliconiinae	Z

**2016 September 26** (Bees) (MS/4 & SS/1) (GU16402a–b)

a	10000fr	Western Honeybee, <i>Apis mellifera</i> L.	API, Apinae	A
b	10000fr	White-Tailed Bumblebee, <i>Bombus lucorum</i> L.	API, Apinae	A
c	10000fr	Eastern Carpenter Bee, <i>Xylocopa virginica</i> L.	API, Xylocopinae	A
d	10000fr	Peacock Carpenter Bee, <i>Xylocopa bombylans</i> Fabr.	API, Xylocopinae	A
SS	40000fr	Violet Carpenter Bee, <i>Xylocopa violacea</i> L.	API, Xylocopinae	A
	Margin	LL: Western Honeybee, <i>Apis mellifera</i> L. (w/ beekeeper & hive)	API, Apinae	Z

**2016 September 26** (Butterflies) (MS/4 & SS/1) (GU16403a–b)

a	10000fr	Western Brown, <i>Heteronympha merope</i> Fabr. (with larva)	NYM, Satyrinae	A
b	10000fr	Lime/Lemon Butterfly, <i>Papilio demoleus</i> L. (with chrysalis)	PAP, Papilioninae	A
c	10000fr	Large White, <i>Pieris brassicae</i> L. (with larva)	PIE, Pierinae	A
d	10000fr	Red Admiral, <i>Vanessa atalanta</i> L. (with larva)	NYM, Nymphalinae	A
SS	40000fr	Australian Painted Lady, <i>Vanessa kershawi</i> McCoy	NYM, Nymphalinae	A
	Margin	LL: Old World Swallowtail, <i>Papilio machaon</i> L. (larva)	PAP, Papilioninae	Z
		UR & MR: Gulf Fritillary, <i>Agraulis vanillae</i> L.	NYM, Heliconiinae	Z
		LR: Old World Swallowtail, <i>Papilio machaon</i> L.	PAP, Papilioninae	Z

**MALDIVE ISLANDS****2016 July 20** (Butterflies & Minerals) (MS/4 & SS/1) (MLD16602a–b)

a	20r	Orange-Barred Sulfur, <i>Phoebis philea</i> L.	PIE, Coliadinae	B
b	20r	Saturn, <i>Zeuxidia amethystus</i> Butler	NYM, Morphinae	B
c	20r	<i>Rothschildia aurota</i> Cramer,	SAT, Saturniinae	B
d	20r	Blue Morpho, <i>Morpho menelaus didius</i> Hopffer	NYM, Morphinae	B
SS	60r	Amber Daggerwing, <i>Marpesia berania</i> Hewitson	NYM, Cyrestinae	B
	Margin	UL: <i>Thyridia</i> sp.	NYM, Danainae	Z
		LL: Saturn, <i>Zeuxidia amethystus</i> Butler	NYM, Morphinae	Z
		LR: Indian Moon Moth, <i>Actias selene</i> Butler	SAT, Saturniinae	Z

**NIGER****2016 April 20** (Baden-Powell) (MS/4) (NIG16122a)

c	900fr	Queen Alexandra's Birdwing, <i>Troides alexandrae</i> Rothschild	PAP, Papilioninae	B
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**2016 August 15** (Bees) (MS/4 & SS/1) (NIG16301a-b)

a	750fr	<i>Apis nearctica</i> Engel et al (extinct from Miocene epoch)	API, Apinae	A
b	750fr	Blue-Banded Bee, <i>Amegilla cingulata</i> Fabr.	API, Apinae	A
c	750fr	Metallic Green Sweat Bees, <i>Agapostemon</i> sp. (also UR margin)	HAL, Halictinae	A
d	750fr	Red-Tailed Bumblebee, <i>Bombus lapidarius</i> L.	API, Apinae	A
SS	3000fr	Forest Cuckoo Bee, <i>Bombus sylvestris</i> Lepeletier	API, Apinae	A
Margin		UL: Bee hive in tree	API, Apinae	R Z
		UR: U/I bee (chased by bee-eater bird)		U Z
		LR: Western Honeybee, <i>Apis mellifera</i> L. (hive & beekeeper)	API, Apinae	C Z

**2016 August 15** (Princess Charlotte) (MS/4) (NIG16303a)

b	750fr	Old World Swallowtail, <i>Papilio machaon</i> L.	PAP, Papilioninae	B
c	750fr	Scarlet, Red or Crimson Tip, <i>Colotis danae</i> Fabr. ♂	PIE, Pierinae	B
d	750fr	Large Blue, <i>Maculinea arion</i> L.	LYC, Polyommatae	B
Margin		UL&UR: 7-Spotted Lady Beetle, <i>Coccinella septempunctata</i> L.	COC, Coccinellinae	Z
		Ctr: Scarlet, Red or Crimson Tip, <i>Colotis danae</i> Fabr.	PIE, Pierinae	Z

**2016 August 15** (Zika Virus/Red Cross) (MS/4 & SS/1) (NIG16324a-b)

Margin		UR: Yellow Fever Mosquito, <i>Aedes aegypti</i> L.	CUL, Culicinae	Z
SS	3000fr	Yellow Fever Mosquito, <i>Aedes aegypti</i> L.	CUL, Culicinae	A

**2016 October 24** (Butterflies) (MS/4 & SS/1) (NIG16404a-b)

a	750fr	Caribbean Blue, <i>Hemiargus ceraunus</i> Fabr. (pair mating)	LYC, Polyommatae	A
b	750fr	Chalk Hill Blue, <i>Polyommatus coridon</i> Poda	LYC, Polyommatae	A
c	750fr	Banded Orange Heliconian, <i>Dryadula phaetusa</i> L. (with larva)	NYM, Heliconiinae	A
d	750fr	Large Skipper, <i>Ochlodes sylvanus</i> Esper	HES, Hesperinae	A
SS	3000fr	<i>Dysphania militaris</i> L.	GEO, Geometrinae	A
Margin		LL: Large Tree Nymph, <i>Idea leuconoe</i> Erichson	NYM, Danainae	Z
		UR: <i>Dysphania militaris</i> L. (larva)	GEO, Geometrinae	Z
		LR: Large Copper, <i>Lycaena dispar</i> Haworth	LYC, Lycaeninae	Z

**ST. THOMAS & PRINCE IS.****2015** (Biodiversity) (MS/9) (ST15601a)

f	2000d	Monarch, <i>Danaus plexippus</i> L.	NYM, Danainae	A
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**2016 July 20** (American Fauna) (MS/4 & SS/1) (ST16311a-b)

a	31000d	<i>Graphocephala coccinea</i> Forster	CIC, Cicadellinae	A
b	31000d	Saddleback Caterpillar, <i>Sibine stimulea</i> Clemens (larva)	LIM, Limacodinae	A
c	31000d	Harlequin Bug, <i>Murgantia histrionica</i> Hahn	PEN, Pentatominae	A
d	31000d	Spider ( <i>Araneus trifolium</i> )	Araneidae	
Margin		Top: American Bumblebee, <i>Bombus pennsylvanicus</i> DeGeer	API, Apinae	Z
SS	96000d	Centipede ( <i>Theatops californiensis</i> )	Plutoniumidae	
Margin		LL: 3 Boll Weevils, <i>Anthonomus grandis</i> Boheman	CUR, Curculioninae	Z
		Top: Giant Swallowtail, <i>Papilio cresphontes</i> Cramer	PAP, Papilioninae	Z
		UR: Polyphemus Moth, <i>Antheraea polyphemus</i> Cramer	SAT, Saturniinae	Z
		MR: Many-spotted Tiger Moth, <i>Hypercompe permaculata</i> Packard	ARC, Arctiinae ( <b>new</b> )	Z
		LR: Garden Tiger Moth, <i>Arctia caja</i> L.	ARC, Arctiinae	Z
		Ctr: Pipevine Swallowtail, <i>Battus philenor</i> L.	PAP, Papilioninae	Z

**2016 July 20** (Asiatic Fauna) (MS/4 & SS/1) (ST16315a-b)

a	31000d	Sibina Fritillary, <i>Melitaea sibina</i> Alphéraky	NYM, Nymphalinae ( <b>new</b> )	A
b	31000d	Lesser Purple Emperor, <i>Apatura ilia</i> Denis & Schiffermüller	NYM, Apaturinae	A
c	31000d	Great Purple, <i>Sasakia charonda</i> Hewitson	NYM, Apaturinae	A
d	31000d	Tibetan Marbled Satyr, <i>Tatinga tibetanus</i> Oberthür	NYM, Satyrinae ( <b>new</b> )	A

**ST. THOMAS & PRINCE IS.** (continued)

Margin	U/I butterfly	Lepidoptera	U Z
SS 96000d	<i>Heliophorus saphir</i> Blanchard	LYC, Lycaeninae	(new) A
Margin	LL: Scarce or Kite Swallowtail, <i>Iphiclides podalirius</i> L.	PAP, Papilioninae	Z
	UR: Rajah Brooke's Birdwing, <i>Troides brookiana</i> Wallace	PAP, Papilioninae	Z
	LR: Indian Yellow Nawab, <i>Polyura jalysus</i> C&R Felder	NYM, Charaxinae	Z

**2016 September 12** (Orchids) (SS/1) (ST16403b)

SS 96000d	L: Two Monarchs, <i>Danaus plexippus</i> L.	NYM, Danainae	Z
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**2016 September 12** (Bee-eaters) (MS/4 & SS/1) (ST16420a–b)

Margin	UR: Western Honeybee, <i>Apis mellifera</i> L.	API, Apinae	Z
SS 96000d	Western Honeybee, <i>Apis mellifera</i> L. (two bees with birds)	API, Apinae	B
Margin	ML & UR: <i>Apis mellifera</i> L.	API, Apinae	Z

**SIERRA LEONE****2016 January 28** (Butterflies) (MS/4 & SS/1) (SRL16101a–b)

a	6000Le	Postman, <i>Heliconius melpomene</i> L.	NYM, Heliconiinae	A
b	6000Le	Lime Swallowtail, <i>Papilio demoleus</i> L.	PAP, Papilioninae	A
c	6000Le	Southern Festoon, <i>Zerynthia polyxena</i> Denis & Schiffermüller	PAP, Parnassiinae	A
d	6000Le	Viceroy, <i>Limenitis archippus</i> Cramer	NYM, Limenitidinae	A
	Margin	L: Death's Head Moth, <i>Acherontia atropos</i> L. (with larva)	SPH, Sphinginae	Z
SS 24000Le		Southern Festoon, <i>Zerynthia polyxena</i> Denis & Schiffermüller	PAP, Parnassiinae	A
	Margin	UR: Atlas Moth, <i>Attacus atlas</i> L.	SAT, Saturniinae	Z

**2016 February 26** (Baden Powell) (SS/1) (SRL16215b)

SS 24000Le	LL: Monarch, <i>Danaus plexippus</i> L.	NYM, Danainae	Z
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**2016 February 26** (Zika Virus) (MS/4) (SRL16218a)

d	6000Le	<i>Aedes aegypti</i> L. or <i>A. albopictus</i> Skuse	CUL, Culicinae	A
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**2016 March 25** (Frogs) (SS/1) (SRL16301b)

SS 24000Le	U/I fly (on frog's extended tongue)	Diptera	U	
	Margin	LR: U/I ladybird	Coccinellidae	U Z

**2016 June 30** (Qi Baishi Paintings) (MS/4 & SS/1) (SRL16614a–b)

a	6000Le	"Butterfly and Flowering Plum." (looks like a moth)	Lepidoptera	U C
d	6000Le	"Likvidamera Taiwan and the Cicada"	Cicadidae	U C
SS 24000Le		UR: Damselfly (in large painting)	Odonata	U Z

**SOLOMON ISLANDS****2016 August 1** (Zika Virus) (MS/4 & SS/1) (SLM16224a–b)

d	\$12	Yellow Fever Mosquito, <i>Aedes aegypti</i> L. (with nurse & baby)	CUL, Culicinae	C
	SS \$35	Bot: <i>Aedes aegypti</i> L.	CUL, Culicinae	Z

**2016 September 1** (Butterflies) (MS/4 & SS/1) (SLM16303)

a	\$12	Penciled Blue, <i>Candalides absimilis</i> C. Felder (top: ♀ bot: ♂)	LYC, Polyommatae	(n) A
b	\$12	Giant Brimstone, <i>Anteos maerula</i> Fabr.	PIE, Coliadinae	A
c	\$12	Oleander Hawkmoth, <i>Daphnis nerii</i> L.	SPH, Macroglossinae	A
d	\$12	Mourning Cloak, <i>Nymphalis antiopa</i> L.	NYM, Nymphalinae	A
SS \$35		Spicebush Swallowtail, <i>Papilio troilus</i> L. (with larva)	PAP, Papilioninae	A
	Margin	UL: Old World Swallowtail, <i>Papilio machaon</i> L.	PAP, Papilioninae	Z
		LL: <i>Parides zacyanthus</i> Fabr.	PAP, Papilioninae	(new) Z
		UR: Roseate Emperor, <i>Eochroa trimeni</i> Felder	SAT, Saturniinae	Z

**WALLIS & FUTUNA****2016 September 21** (Butterflies of Wallis & Futuna) (MS/3)

a	115fr	Samoa Gram Blue, <i>Euchrysops cnejus samoa</i> H-Schaeffer ♀	LYC, Polyommatae	<b>(n)</b> A	
b	115fr	Meadow Argus, <i>Junonia villida</i> Fabr.	NYM, Nymphalinae	A	
c	115fr	Eschscholtz's Crow, <i>Euploea lewinii eschscholtzii</i> C&R Felder	NYM, Danaeae	<b>(new)</b> A	
	Margin	Tiny images of above butterflies each appear twice in the margins			Z

**A Note About Recent Taxonomy**

In the past 5-10 years, there have been many taxonomic studies using DNA determinations in order to find the proper relationships between Superfamilies, Families, Subfamilies, Tribes, and Genera. However, since the literature references are scattered and not necessarily simple to search out, I will continue to use the readily available website ([www.funet.fi/pub/sci/bio/life/insecta/index.html](http://www.funet.fi/pub/sci/bio/life/insecta/index.html)) as my standard source of names, even though some of the arrangements may be considered out of date in very recent literature.

For those interested, the following is the proposed 2012 arrangement for moths in Drepanoidea and Noctuoidea based primarily on DNA studies by Reza Zahiri\* of the University of Turku, Finland. Since Zahiri's advisor is Niklas Wahlberg, associated with the [www.funet.fi](http://www.funet.fi) website, our standard for naming, I would expect to see such changes also made in that website in the near future.

**DREPANOIDEA****Cimeliidae****Drepanidae:** Drepaninae, Thyatirinae**Epicopeiidae****NOCTUOIDEA****Oenosandridae****Notodontidae:** Thaumetopoeinae, Notodontinae, Phalerinae, Heterocampinae, Dioptinae**Euteliidae:** Euteliinae, Stictopterinae**Erebidae:** Erebininae, Eulepidotinae, Lymantriinae, Herminiinae, Arctiinae, Calpinae, Aganainae, Rivulinae, Anobinae, Scolopteryginae, Hypeninae, Pangraptinae, Hypocalinae, Toxocampinae, Tinoliinae, Scolecocampinae, Hypenodinae, Boletobiinae**Nolidae:** Diphtherinae, Eligmininae, Risobinae, Chloephorinae, Collomeninae, Beaninae, Westermanninae, Nolinae**Noctuidae:** Dyopsinae, Plusiinae, Cuculliinae, Dilobinae, Pantheinae, Acontiinae, Bagasarinae, Amphipyriinae, Metopiinae, Acronictinae, Heliothinae, Noctuinae

Note that the long-standing families Arctiidae and Lymantriidae are now considered subfamilies in Erebidae.

\* Thesis, University of Turku, Finland, *Molecular Systematics of Noctuoidea (Insecta, Lepidoptera)*, Reza Zahiri (2012)

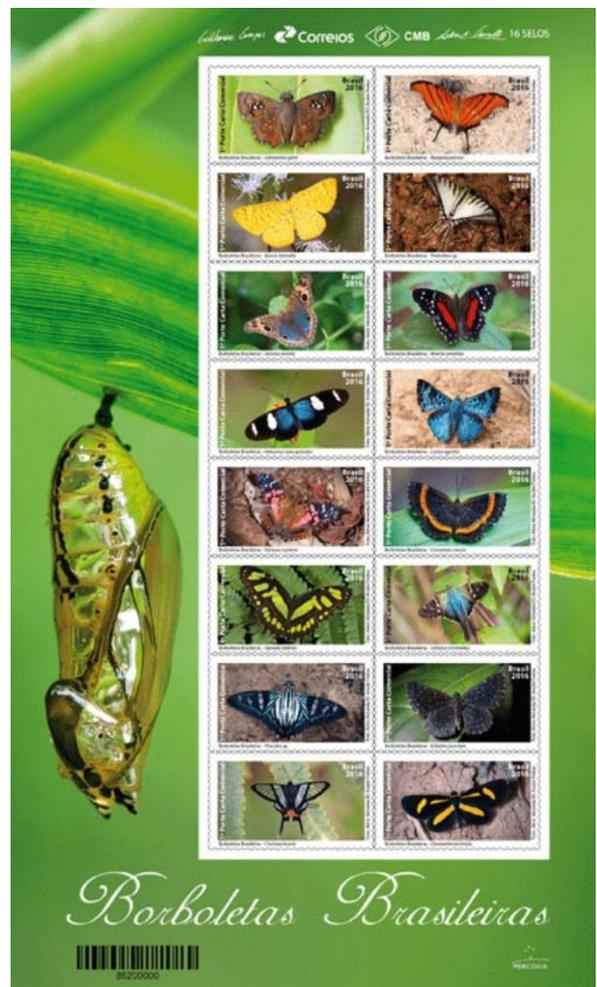
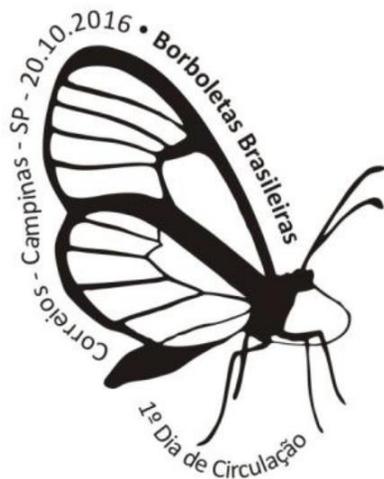
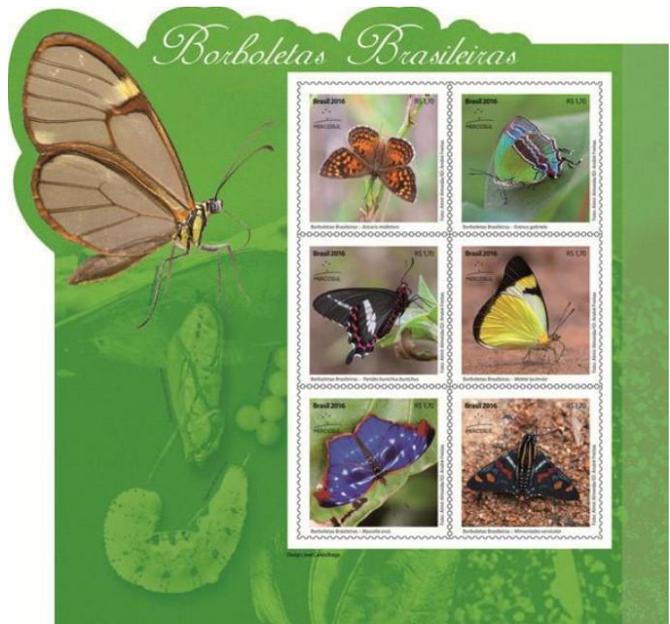
**BRAZILIAN BUTTERFLIES**

On 20 October 2016, Brazil issued a miniature sheet of six stamps and a sheet of 16 stamps depicting butterfly species found in Brazil. The images are based on photographs by Almir Almeida. The MS/6 was designed by José Carlos Braga. The larger sheet was designed by Jamile Costa Sallum.

The stamps were printed using offset lithography by Casa da Moeda do Brasil. They produced 720,000 copies of the MS, and 320,000 copies of the larger sheet.

The MS is denominated 1.70r. The sheet is denominated “1º Porte Carta Comercial” (1.30r).

The left margin of the MS shows, a clearwing butterfly (*Episcada hymenaea*). A silhouette of this same species forms the pictorial first day of issue cancellation.





# PALEONTOLOGY

Editor

Michael Kogan, BU1863

New Listings



Scott#	Denom	Common Name/Scientific Name	Family	Code
<b>CENTRAL AFRICAN REPUBLIC 2016 July 18</b> (Dinosaurs & Minerals) (MS/4 & SS/1) [1]				
a	750fr	<i>Pentaceratops sternbergii</i> (with anorthoclase)	†Ceratopsidae	A
b	750fr	<i>Quetzalcoatlus northropi</i> (with aragonite)	†Azhdarchidae	A
c	750fr	<i>Thalattoarchon saurophagis</i> (with anglesite)	Order: †Ichthyosauria	A
d	750fr	<i>Lukousaurus yini</i> (with alabandite)	Order: ?Saurischia	A
Margin	R:	<i>Therizinosaurus cheloniformis</i>	†Therizinosauridae	Z
SS 2650fr		<i>Kosmoceratops richardsonii</i> (with adamite)	†Ceratopsidae	A
	L:	<i>Styracosaurus albertensis</i>	†Ceratopsidae	Z
	UR:	<i>Anhanguera blittersdorffi</i>	†Anhangueridae	Z
<b>2016 July 18</b> (Seashells & Fossils) (MS/4 & SS/1) [1]				
a	900fr	U/I trilobite fossil (with <i>Haliotis asinina</i> )		U
b	900fr	U/I fish fossil (with <i>Cantharidus purpureus</i> )		U
c	900fr	U/I fern fossil (with <i>Austrolittorina antipodum</i> )		U
d	900fr	U/I ammonite fossil (with <i>Lobatus gigas</i> )		U
Margin	UR:	U/I ammonite fossil		U Z
SS 3000fr		U/I reptile fossil (with <i>Bursa corrugata corrugata</i> )		U
Margin	UL:	U/I shell fossil		U Z
<b>CROATIA 2016 October 12</b> (Paleontology) (Pair)				
a	5k	European Cave Lion, <i>Panthera leo fossilis</i> ("Lion of Dramalj")	Felidae	A
b	5k	<i>Mesocetus agrami</i> ("Whale of Zagreb")	†Tranatocetidae	A
<b>GIBRALTAR 2016 September 20</b> (UNESCO Gorham's Cave Complex) (Set/5)				
The other four stamps shows the cave where fossils of Neanderthals were discovered.				
	80p	Neanderthal family, <i>Homo neanderthalensis</i>	Hominidae	A
<b>GUINEA-BISSAU 2016 June 27</b> (Prehistoric Aquatic Animals) (MS/4) [1]				
a	750fr	<i>Mosasaurus</i>	†Mosasauridae	A
b	750fr	<i>Liopleurodon</i>	†Pliosauridae	A
c	750fr	<i>Dakosaurus</i>	†Metriorhynchidae	A
d	750fr	<i>Shastasaurus</i>	†Shastasauridae	A
Margin	UR:	<i>Dakosaurus</i>	†Metriorhynchidae	Z
<b>2016 September 28</b> (Dinosaurs) (MS/5 & SS/1) (circular) [1]				
a	600fr	<i>Mononykus</i>	†Alvarezsauridae	A
b	600fr	<i>Sauropelta</i>	†Nodosauridae	A
c	600fr	<i>Kentrosaurus</i>	†Stegosauridae	A
d	600fr	<i>Corythosaurus</i>	†Hadrosauridae	A
e	600fr	<i>Deinonychus antirrhopus</i>	†Dromaeosauridae	A
Margin	Top:	<i>Diplodocus</i>	†Diplodocidae	Z
	MR:	<i>Stegosaurus</i>	†Stegosauridae	Z
	Bot:	<i>Triceratops</i>	†Ceratopsidae	Z
	ML:	<i>Mamenchisaurus</i>	†Mamenchisauridae	Z

**GUINEA-BISSAU** (continued)

SS 3000fr	<i>Gallimimus</i>	†Ornithomimidae	A
Margin	Top: <i>Pelycosaur</i>	Clade: Synapsida	Z
	MR: <i>Cryolophosaurus</i>	Clade: Tetanurae	Z
	Bot: <i>Omeisaurus</i>	†Mamenchisauridae	Z
	ML: <i>Tyrannotitan</i>	†Carcharodontosauridae	Z

**MOLDOVA****2016 October 29** (Extinct Animals) (Set/4 & SS/1)

1.20L	Tapir, <i>Tapirus</i> sp.	Tapiridae	A
1.75L	Monkey, <i>Dolichopithecus rusciniensis</i> (Cap: <i>D. rusciniensis</i> )	Cercopithecidae	A
4L	Cave Hyena, <i>Crocota crocota spelaea</i>	Hyaenidae	A
5.75L	Camel, <i>Paracamelus alexejevi</i>	Camelidae	A
15.50L	Irish Elk, <i>Megaloceros giganteus</i>	Cervidae	A

**MOZAMBIQUE****2016 January 15** (Dinosaurs) (MS/4 & SS/1) [1]

a	66m	<i>Brachiosaurus</i>	†Brachiosauridae	A
b	66m	L: <i>Allosaurus</i>	†Allosauridae	A
		R: <i>Brontosaurus</i> ( <i>Apatosaurus</i> )	†Diplodocidae	A
c	66m	<i>Tyrannosaurus rex</i>	†Tyrannosauridae	A
d	66m	<i>Triceratops</i>	†Ceratopsidae	A
	SS 175m	<i>Stegosaurus</i>	†Stegosauridae	A
	Margin	Top: <i>Tyrannosaurus rex</i>	†Tyrannosauridae	Z

**2016 May 10** (Dinosaurs) (MS/4 & SS/1) [1]

a	66m	<i>Giganotosaurus carolinii</i>	†Carcharodontosauridae	A
b	66m	<i>Parasaurolophus cyrtocristatus</i>	†Hadrosauridae	A
c	66m	<i>Pteranodon longiceps</i>	†Pteranodontidae	A
d	66m	<i>Triceratops horridus</i>	†Ceratopsidae	A
	Margin	L: <i>Deinocheirus mirificus</i>	†Deinocheiridae	Z
	SS 175m	<i>Argentinosaurus huinculensis</i>	†Antarctosauridae	A
	Margin	Ctr: <i>Quetzalcoatlus northropi</i>	†Azhdarchidae	Z
		LL: <i>Brachiosaurus altithorax</i>	†Brachiosauridae	Z
		LR: <i>Tyrannosaurus rex</i>	†Tyrannosauridae	Z

**NIGER****2016 August 15** (Extinct Species) (MS/4 & SS/1) [1]

a	750fr	<i>Mastodon americanum</i>	†Mammutidae	A
b	750fr	<i>Embolotherium</i>	†Brontotheriidae	A
c	750fr	Saber-toothed Tiger, <i>Smilodon</i>	Felidae	A
d	750fr	<i>Macrauchenia patachonica</i>	†Macraucheniiidae	A
	SS 3000fr	Saber-toothed Tiger, <i>Smilodon</i>	Felidae	A
	Margin	Top: Mammoths, <i>Mammuthus</i>	Elephantidae	Z
		LR: Prehistoric hominids	Hominidae	Z

**ST. THOMAS & PRINCE IS.****2016 September 12** (Dinosaurs) (MS/4 & SS/1) [1]

a	31000d	<i>Edmontosaurus</i>	†Hadrosauridae	A
b	31000d	<i>Confuciusornis</i>	†Confuciusornithidae	A
c	31000d	<i>Velociraptor</i>	†Dromaeosauridae	A
d	31000d	Top: <i>Sauropelta</i>	†Nodosauridae	A
		Bot: <i>Kentrosaurus</i>	†Stegosauridae	A
	Margin	Top: <i>Archaeopteryx</i>	†Archaeopterygidae	Z
	SS 96000d	L: <i>Plateosaurus</i>	†Plateosauridae	A
		R: <i>Coelophys</i>	†Coelophysidae	A
	Margin	L: <i>Stegosaurus</i>	†Stegosauridae	Z

**SOUTH AFRICA****2016 August 26** (South African Geology) (Set/10) (s/a)

The stamps pay the “International Small Letter” rate and depict an artistic interpretation of ten different geological superlatives of great economic value and major scientific importance in South Africa.

(4.55)	Geological Cross-section of Karoo Supergroup (fossils of following)		
	<i>Lystrosaurus</i>	†Lystrosauridae	C S
	<i>Procolophon</i>	†Procolophonidae	C S
	<i>Bradysaurus</i>	†Pareiasauridae	C S
	<i>Pristerognathus</i>	†Scylacosauridae	C S
	<i>Eodicynodon</i>	†Eodicynodontidae	C S
	<i>Tapinocephalus</i>	†Tapinocephalidae	C S
	Dinosaur tracks		C R
	<i>Ginkgoites waldeckensis</i>	Ginkgoaceae	C S
	<i>Umkomasia</i>	†Corytospermaceae	C S
	Gymnosperm		C S
	Giant Fern		C S
(4.55)	Geological Cross-section of Table Mountain World Heritage Site (trace fossils of following)		
	<i>Pelecypodichnus</i>		C S
	<i>Helminthoida</i>		C S
	<i>Dimorphichnus</i>		C S
	<i>Isopodichnus</i>		C S
	<i>Diplichnites</i>		C S
	<i>Planolites</i>		C S
	<i>Monocraterion</i>		C S
	<i>Diplichnites</i>		C S
	<i>Skolithos</i>		C S
	<i>Rusophycus</i>		C S
	<i>Cruziana</i>		C S
(4.55)	Geological Cross-section of Kimberlite volcanic pipe (fossils of following)		
	<i>Ginkgoites waldeckensis</i>	Ginkgoaceae	C S
	Giant Fern		C S
	U/I fish fossil		U C S
(4.55)	Geological Cross-section of Cradle of Humankind World Heritage Site (fossils of following)		
	<i>Australopithecus sediba</i> (skull)	Hominidae	C S

**Other Stamps to Consider****CZECH REPUBLIC****2016 October 12** (Iron Mountain Geopark)

The Iron Mountains are the key to geological history of central Europe. Proterozoic gneisses and volcano-sedimentary complexes (subaerial and submarine volcanism) are present. Stromatolites, the earliest life forms, have been found. The Paleozoic comprises Cambrian siltstones, Ordovician quartzites, Silurian shales, Devonian limestones, and Carboniferous sediments. Rare fossils include trilobite and graptolite fauna. The third oldest ichnofossil of *Zoophycos* type in the world has been reported.

The Mesozoic (Upper Cretaceous) sedimentary cover has a unique development, with abundant fauna and flora. Sandstones and spiculitic marlstones provide excellent conditions for groundwater accumulation. Tertiary rocks are represented by basalt enclosing olivine-rich xenoliths. The geological story of the area is completed by Quaternary loess and sandy gravel. More than a hundred geological sites have been described from this area. The above facts became grounds for listing the Iron Mountains as a National Geopark.

**UNITED STATES****2016 June 02** (National Parks) (Sheet/16) (s/a)

Carlsbad Caverns is one of more than 300 limestone caves in a fossil reef laid down by an inland sea 240 million to 280 million years ago. The rocks and fossils of Carlsbad Caverns National Park tell a story of the area during the Permian Period (286–230 million years before present) when the landscape was dramatically different from what we see today. The stamp image is a photograph by Richard McGuire of the interior of the caverns. High ancient sea ledges, deep rocky canyons, flowering cacti, and desert wildlife are all treasures above and below the Chihuahuan Desert ground.

Carlsbad Caverns National Park contains some of the world's best examples of marine fossils from the Permian period of earth's history. The Permian period of geologic history began without a great deal of environmental change from the preceding Carboniferous period. The Carboniferous/Permian rock boundary is marked only by the appearance in the fossil record of a new genus of single-celled fusulinids and a new plant genus. In general, the land and marine life from the late Carboniferous to the early Permian periods were quite similar. However, by the end of the Permian period, the earth had experienced monumental changes in its geography, climate, and terrestrial and ocean life.

5080o (47c) Carlsbad Caverns National Park

R

**Personalized Issue****NETHERLANDS****2016 September 9** (T-rex in Town) (MS/3)€1 *Tyrannosaurus rex*

†Tyrannosauridae

A

**Future Issues**

2017.03.24: Slovenia: "Mammal Fossils in Slovenia: Cave Lion"

2017.??.?: Nepal: "Prehistoric Mammals," set/8 proposed by Natural History Museum. If it is accepted, it will be the third set from Nepal to show local prehistoric mammals.

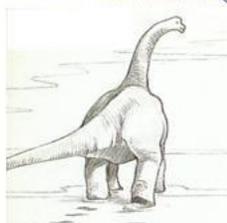
2017.??.?: China P. R.: "Dinosaurs," five stamps &amp; a Bklt

**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 Associate Editor Mr. Michael Kogan ([admin@paleophilatelie.eu](mailto:admin@paleophilatelie.eu)), or by post to the Editor, Jack R. Congrove (address on inside cover).

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



<http://www.paleophilatelie.eu>

focal point between  
**Paleontology and Philately**

<http://www.paleophilatelie.eu/year/current.html>  
list of all new issues

[http://www.paleophilatelie.eu/phil\\_catalogue.html](http://www.paleophilatelie.eu/phil_catalogue.html)  
chronology and country based catalog

[http://www.paleophilatelie.eu/stamps\\_overview.html](http://www.paleophilatelie.eu/stamps_overview.html)  
gallery of stamps, FDC, circulated covers

Contact: [admin@paleophilatelie.eu](mailto:admin@paleophilatelie.eu)

Join us on Facebook: PaleoPhilately group



## 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 or changed entries since the last publication are indicated with an asterisk (\*).

### STAMP ISSUES

**ATA TopicalsOnLine.** On-line stamp sales by topic and country. Anyone can be a buyer, but you must be an ATA member in good standing to be a seller. Robust search capability and reasonable prices.

<https://www.topicalsonline.com/>

**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>

**Collectors Club of Chicago: Philatelic Encyclopedia.** A comprehensive compendium of definitions for philatelic terms and topics including those in more than 40 foreign languages. The parent site has many additional reports and references. Portions are still under construction.

<http://www.collectorsclubchicago.org/philatelic-encyclopedia.php>

**Delcampe.** Worldwide listings and illustrations of stamps for sale. They have revised their website to make it more user-friendly.

[http://www.delcampe.net/en\\_GB/marketplace/stamps/](http://www.delcampe.net/en_GB/marketplace/stamps/)

**eBay.** Worldwide listings and illustrations of stamps, covers, postcards, and other collectibles for sale.

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

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

<https://www.igpc.com/>

**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 registration, login.

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

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

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

**Virtual Stamp Club.** Latest news from the world of stamp collecting. Links to other stamp collecting sites and the websites of almost every other collector society or major club.

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

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

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

### GENERAL

**American Philatelic Society.** Listings of dealers, local clubs, stamp shows, and other philatelic events.

<http://stamps.org/>

**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/>

**The Philatelist.** A blog by a philatelic journalist in Portugal. Displayed in several selectable languages. Contains current philatelic news stories and links to archives with past stories. Also includes links to dozens of other world-wide philatelic websites. Philatelic publication reviews.

<http://o-filatelista.blogspot.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. They claim to have a page for every living species with photos for many.

<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 and descriptions 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/our-science/data/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. It does not include dinosaurs.

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

**Turtle Meter Stamps.** Updated website containing a worldwide catalog of meter stamps and meter marks that depict turtles and tortoises based on the owner's collection of more than 220 items. There is an image of each meter with some short comments on its use and scarcity in English, Italian, and French.

<http://turtlemeterstamp.altervista.org/>

**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

**All Tropical Fish.** Provides information on marine fishkeeping, corals, invertebrates and freshwater fish. Offers fish forums, community and article and photo upload.

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

**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](http://fishbase.sinica.edu.tw/home_tw.htm)

## MAMMALS

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

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

**Mammal Species of the World.** On-line database of worldwide mammal species hosted by the Smithsonian National 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.

<http://www.birdstampsociety.org/index.html>

**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.** Edited by our Paleontology Editor, Michael Kogan. Catalogue of Paleontology related philatelic items, such as paleontologists, fossils, prehistoric animals, dinosaurs, early man, and museums on official post stamps, envelopes, and post cards. Contains links to related news items and sites.

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

## GLOSSARY OF TERMS

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

### Checklist Codes:

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

### Acronyms and Abbreviations:

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

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