

# BIOPHILATELY

OFFICIAL JOURNAL OF THE BIOLOGY UNIT OF ATA

MARCH 2019

VOLUME 68, NUMBER 1

## Why don't cats play poker?

Too many cheetahs.



Terry Watson

## The Puma Seen Through Maximum Cards

More Inside >>



### IN THIS ISSUE

From the Editor's Desk .....	1
President's Message .....	2
Secretary-Treasurer's Corner .....	3
News of Note .....	3
Closed Album: Vogel .....	4
Event Calendar .....	6
Mushroom Art of Taylor Lockwood ...	16
Cactus Flowers .....	24
Glossary .....	83

### NEW ISSUES:

Botany – Christopher E. Dahle .....	17
Fungi – Paul A. Mistretta .....	30
Mammalia – Michael Prince .....	31
Ornithology – Glenn G. Mertz .....	35
Herpetology – Dick Roman .....	55
Invertebrates – Ian Hunter .....	59
Ichthyology – J. Dale Shively .....	62
Entomology – Donald Wright, Jr. ....	65
Paleontology – Michael Kogan .....	73

### ARTICLES & ILLUSTRATIONS:

How Many? – Dr. Natan Slifkin .....	7
Stamp Stories – Jack R. Congrove .....	9
The Puma Seen Through Maximum Cards – Terry Watson .....	11
New Plants in the Philatelic Herbarium – Christopher Dahle .....	25
New Birds in the Philatelic Aviary – Charles E. Braun .....	49
Biology Reference Websites .....	80

**BIOPHILATELY****Editor**

Jack R. Congrove  
P.O. Box 33092, Fort Lewis, WA 98433, USA  
jackcongrove@comcast.net

**Associate Editors**

Christopher E. Dahle *Botany*  
1401 Linmar Dr. NE, Cedar Rapids, IA 52402  
chris-dahle@biophilately.org

Dr. Paul A. Mistretta *Fungi*  
4148 Commodore Dr., Atlanta, GA 30341  
paulmistretta70@gmail.com

Michael J. Prince *Mammalia*  
7 Station Rd, Whitchurch, Hampshire RG28 7EP U.K.  
Michael.Prince@bushinternet.com

Glenn G. Mertz *Ornithology*  
625 N. Lafayette St., Allentown, PA 18104  
ggmertz@juno.com

Charles E. Braun *New Birds*  
7 Winthrop Drive, Aiken, SC 29803  
charlesebraun@gmail.com

Dick Roman *Herpetology*  
Dick.Roman@SbcGlobal.Net

J. Dale Shively *Ichthyology*  
106 Lazy Lane, San Marcos, TX 78666  
jdshively@icloud.com

Ian Hunter *Invertebrate Zoology*  
6 Tiller Pl SE, Airdrie, AB  
T4A 1S6, Canada  
ighunter@shaw.ca

Donald P. Wright, Jr. *Entomology*  
429 S. Yellowstone Dr., Apt 300, Madison, WI 53719  
don.aa2f@verizon.net

Michael Kogan *Paleontology*  
Munich, Germany  
admin@paleophilatelie.eu

vacant *Microbiology*

**BIOLOGY UNIT OF ATA**

Laurie J. Ryan **President**  
4134 Wenbrook Dr, Sharonville, OH 45241  
doxiemom7@gmail.com

Glenn G. Mertz **Vice-President**  
625 N. Lafayette St., Allentown, PA 18104  
ggmertz@juno.com

Christopher E. Dahle **Secretary/Treasurer**  
1401 Linmar Dr. NE, Cedar Rapids, IA 52402  
chris-dahle@biophilately.org

**Directors**

Alan J. Hanks (Ontario) (President Emeritus)  
Jack R. Congrove (Washington)  
John Pereira (Massachusetts)  
Dr. Frederick C. Skvara (New Jersey)  
Donald P. Wright, Jr. (Wisconsin)

**Publisher**

Dick Roman  
Dick.Roman@SbcGlobal.Net

**Librarian**

Mark Reineke  
925 Boychuk Drive, Saskatoon, SK  
S7H 4L6 Canada  
mikadoate@sasktel.net

**Website**

[www.biophilately.org](http://www.biophilately.org)

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.

Copyright 2019. All rights reserved. The views expressed in the articles and other contributions are those of the authors and do not necessarily reflect the views of the officers or other members of the Biology Unit.

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

The term Scott and Scott Catalogue numbers are trademarks of Amos Media., dba Scott Publishing Company.

**PLEASE NOTE: Material for the next issue should be in the hands of the Editor before 15 May 2019.**

### FROM THE EDITOR'S DESK

Typically these days when you hear a TV or radio commercial for some new “miracle” medication, it ends with a bunch of lawyerese detailing all the side effects of actually taking the drug. Many of them sound as bad, if not worse, than the disease they purport to cure. Recently, I heard an ad describe effects that you should report to your doctor that included “impaired judgement.” I wonder, if your judgement is impaired, how do you know?

I received some sad news about the death of my friend and fellow Unit member, Bea Vogel. Her Closed Album report is on page 4. I was introduced to Bea at PIPEX in 2012, by ATA Executive Director Vera Felts. Bea was looking for someone to help her prepare her exhibit on Spiders, which I was more than happy to do. She was a brilliant scientist and exceptionally nice person, and I miss her.



As I write this, I have just returned from the American Philatelic Society AmeriStamp Expo (ASE) held in Mesa, Arizona. This year's event was the last winter show that the APS plans to hold. These events have been operating at a deficit for the past several years. The ASE has been the venue for the World Series of Philately Single Frame Champion of Champions (CoC) competition. The Single Frame CoC will hence forward be held in conjunction with a selected WSP show. Starting next year for the next three years, this show will be the St. Louis Stamp Expo. See page 24 for a description of the Cactus Flower first day ceremony held at the show.

On page 11 you will find an article about maximum cards (maximaphily). These items provide a neat way to expand your topical collection.

I would like to include more articles from our members, but you will notice that several included in this edition have been drawn from other sources. Come on out there! All of our readers have some material in their collection of which they are immensely proud. I am sure that many of our readers would like to hear about it. Send me some text descriptions and a couple pictures and I will take care of the rest (and I can probably get by without the pictures).

Also, you will notice that we have not had a new member during the past quarter. It is very likely that among other members of your club there is someone who collects a biological subject. Try to recruit them for the Biology Unit.

As spring arrives, the stamp show season gets into full swing. See page 6 for an event schedule. I hope to see you at one of these shows. If I am present, you can contact me through the people manning the ATA booth. In any case, you should stop by the booth and visit with the ATA ambassadors and other members. They usually have some special deals going and always have the latest information, publications, and gossip.

Best of luck in your collecting this year.

Jack R. Congrove

<b>DUES RATES (US\$) (note new amounts)</b>		<b>ADVERTISING RATES</b>	
Regular membership (US & Canada)	\$25	Full page insertion	\$20
Canada membership	\$30	Half page insertion	\$10
Worldwide membership	\$45	Quarter page insertion	\$5
On-line membership	\$15		

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

I hope everyone had a good Christmas/New Year season. The bleak months of January and February have certainly been nasty this year. Winter storm after winter storm has swept across the country. I sit with my garden catalogs, dreaming of spring. Outside the crocus and daffodils are pushing up more and more. My witch-hazel bush is trying to bloom as well.

Looking at lists of new issues, I see two more hedgehog stamps to reach for. Looking forward to a new year of issues!

Plans for StampShow/NTSS 2019 are moving forward. This year's theme is Trains and runs 1-4 August in Omaha, Nebraska. I hope you will consider attending, as this is the 70th anniversary of the founding of the ATA. There will be a number of special events planned for attendees.

Happy collecting,

Laurie



**Stamp Smith**  
**TOPICAL STAMPS & COVERS**

U.S. stamps,  
worldwide  
& covers.

Send us your  
want list or visit  
our eBay store,  
Stamp Smith  
Stamps.

1212 NE 96th Terrace  
Kansas City, MO 64155

Tel: 816.734.4536  
Email: smidale@umkc.edu

## SECRETARY-TREASURER'S CORNER

### DUES

Thank you to those of you who have renewed your membership. There are fifteen members on my list who have not renewed since 2017. They will be dropped before the June journal. Please send your dues, or let me know if you wish to resign. You can pay your dues using PayPal to the account *dues@biophilately.org*, or by sending a check to me payable to the Biology Unit. See address on inside cover.

### ANNUAL MEETING

It is perhaps not too early to make your plans to attend the annual general meeting of the Biology Unit that will take place at the National Topical Stamp Show (NTSS) in Omaha, Nebraska, at 10:00 AM on Saturday, 3 August 2019. Ordinarily this is a social meeting and we do not discuss detailed business matters.

After last year's immensely successful joint show in Columbus, Ohio, the ATA again this year will be partnering with the American Philatelic Society to host another combined StampShow-NTSS. The featured study unit this year will be the Cats on Stamps Study Unit. Although it has not yet been announced, the US Postal Service will certainly be issuing some new stamps at the show and there will be dozens of dealers and hundreds of exhibits to see.

The show is scheduled to run 1–4 August at the CHI Health Center Omaha convention center. Admission is free. For details, see the show information at the APS website: <https://stamps.org/StampShow>.

### APS SUMMER SEMINAR

Summer Seminar on Philately is a once-a-year opportunity to expand your philatelic knowledge and meet others who share your passion and interests. All courses are led by philatelic experts who are accomplished writers, exhibitors, experts, dealers, and specialized collectors. The seminar offers both two-day and four-day courses and will be held at the American Philatelic Center in Bellefonte, Pennsylvania, on 24–27 June 2019.

Although none of the courses this year specifically relate to Biology topics, there are some that are of interest to topical collecting in general such as "Collecting and Exhibiting Picture Postcards" and "Worldwide Fakes and Forgeries." Other courses deal with philatelic research, stamp technology, and various aspects of exhibiting. See the APS website for the course catalog and registration: <https://stamps.org/Learn/Courses/Summer-Seminar>.

### NEW MEMBERS

There were no new members in the current 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.**

## NEWS OF NOTE

### BIOLOGY UNIT WEBSITES WIN AWARDS

Our Unit website ([www.biophilately.org](http://www.biophilately.org)) received a score of 70 points in its class, which was good for a Large Silver Medal in the Italia 2018 Philatelic Literature Exposition held in Verona, Italy, 23–25 November 2018.

The Paleontology website ([www.paleophilatelie.eu](http://www.paleophilatelie.eu)) operated by our Associate Editor, Michael Kogan, received a score of 81 points, which merited a Large Vermeil Medal, in the same literature competition.

Congratulations to our Webmaster, Chris Dahle, and to Michael Kogan for their well-deserved awards.

The Stamp Active Network website ([www.abps.org.uk](http://www.abps.org.uk)) in the United Kingdom won the Best in Class award. You can find a list of all awards at: <http://expo.fsf.it/italia2018/documentazione/Resultsbyclass.pdf>.



## CLOSED ALBUM

### IN MEMORIAM: DR. BEATRICE R. VOGEL (BU1809)

Beatrice Roesle Vogel, 88, arachnologist, artist, and activist, passed away on 7 December 2018, in Helena, Montana. Bea was born on 3 February 1930, in Billings, Montana, to John Ernst Vogel and Roesle Jenny Vogel, Swiss immigrants.

She graduated from Kingswood School Cranbrook, Bloomfield Hills, Michigan; received an Associate degree from Eastern Montana College (now Montana State University, Billings); a Bachelor of Science from Stanford University; a Masters in Science from the University of Colorado, Boulder, CO; and a PhD in Biology from Yale University in 1968.

A lifelong collector of “bugs,” she donated her immense collection to the Denver Museum of Nature and Science in 2010, along with her daughter Megan’s butterfly collection, and later returned to identify the species of each. She specialized in spider study, had many scientific papers on the subject published, and had a species named after her own discovery, namely, *Pardosa vogelae*.



Bea joined the Biology Unit in 2010. Her biology collecting interests were spiders, arachnids, and insects. Bea’s interest in spiders led to an immense collection of postage stamps from around the world featuring arachnids, which she exhibited, resulting in awards at national shows, including PIPEX and SEAPEX, and at regional shows in the Pacific Northwest. She was also a member of Women Exhibitors (WE).

An inveterate hiker and climber, she covered all of the peaks and trails of the Beartooth Mountains and honed her skills as a member of the Stanford Alpine Club. She helped build a chalet style cabin with her family at East Rosebud Lake in 1950, and enjoyed every summer there through 2018.

A talented artist, she had many exhibits of her oil paintings, watercolors, lithographs, mystic staffs, and fabrics. She was involved with the Holter Museum, which exhibited her works; the library; and bridge groups.

Throughout her life, Bea was a social activist, joining demonstrators at Kent State, marching for women’s rights, and participating in local events.

Bea was predeceased by her parents; her brother, Henry Vogel; and her beloved daughter, Megan Elizabeth Vogel. Survivors include her son, Walter Henry Vogel (Laura) and his son, Henry Skye Vogel; sister, Gertrude (“Trudy”) Vogel DePuy; nephew Christopher Henry DePuy; and niece Teri DePuy Ekbom.

### THE PRAYER OF A 17th CENTURY NUN

*[Ed. note: I came across this item in the May 1981 edition of the Northwest Federation of Stamp Clubs Bulletin. It originally appeared in Faith and Mission: An Ecumenical Women’s Liturgy Resource Book, by Elyn MacInnis. Undoubtedly, we have all met a collector at club meetings who would benefit from these principles.]*

“Keep me from getting talkative and particularly from the habit of thinking I must say something on every subject and on every occasion. Release me from the craving to straighten out everyone’s affairs. Keep my mind free from the recital of endless details; give me the wings to get to the point. Seal my lips when inclined to tell of my aches and pains; they are increasing with the years and my love of rehearsing them grows sweeter as the years go by. Teach me the lesson that occasionally it is possible that I may be mistaken. Keep me reasonably sweet—I do not want to be a Saint. Some of them are hard to live with. Help me to extract all possible fun out of life. There are so many funny things around us, and I do not want to miss any of them. Make me thoughtful, but not moody, helpful, but not bossy. With my vast store of wisdom it seems a pity not to use it all, but Thou, my Lord, knoweth that I want a few friends left at the end.”

### A POEM

[Ed. note: Our intrepid Entomology Editor and past President, Don Wright, moved last year from New Jersey to Wisconsin where, as I write this, they are experiencing an arctic vortex of extreme sub-zero weather. He sent me this message and poem in response to my request for his column for this edition. It reminds me of something another friend from North Dakota told me years ago when I asked about the cold weather records being set there, "It keeps out the riffraff."]

"You say: 'I plan to attend the APS winter show in Mesa, so I will be working on the journal at the same time.' I say: 'I plan to attend the winter snow in Madison, so I will be working on the journal at the same time.' I like your choice better!!! Wink Don"

#### A Wisconsin Poem

It's winter in Wisconsin  
And the gentle breezes blow  
Seventy miles an hour,  
At maybe five below.

Oh, how I love Wisconsin  
When the snow's up to your butt.  
You take a breath of winter air  
And your nose gets frozen shut.

Yes, the weather here is wonderful,  
So I guess I'll hang around.  
I could never leave Wisconsin,  
'Cause I'm frozen to the ground!

Anonymous

### NATIONAL TOPICAL STAMP SHOW

Our parent organization, the American Topical Association (ATA), will hold its annual National Topical Stamp Show (NTSS) in cooperation with the American Philatelic Society (APS) StampShow on 1–4 August 2019, at the CHI Health Center Omaha convention center in Omaha, Nebraska.



ATA 10th Anniversary Souvenir Cover

Both StampShow and NTSS are APS World Series of Philately (WSP) national-level exhibitions. They will have separate Grand awards, but will share other prizes.

This year the ATA is celebrating its 70th anniversary and there will be several special events as a result.

This will be the largest show of the year in the US with several dozen dealers and hundreds of frames of top notch exhibits

You can pre-register for the show and obtain information

about exhibiting and other activities at the APS website: <https://stamps.org/StampShow>.

### DISTINGUISHED TOPICAL PHILATELIST NOMINATIONS

The Distinguished Topical Philatelist designation is awarded for service to topical philately in general and to the American Topical Association in particular. It was established in 1952, and has been presented to more than 120 individuals since its inception. This is the most prestigious award given by the ATA.

The ATA is currently accepting nominations for this award. Please submit a written nomination to the DTP Selection Committee Chair, Jean Stout at P.O. Box 8174, Jackson, MS 39290, or [jeanstout61@att.net](mailto:jeanstout61@att.net).

### EVENT CALENDAR

Event	Dates	Location
<b>Garfield-Perry March Party</b>	<b>15–17 March 2019</b>	<b>Holiday Inn Strongsville, Strongsville, OH</b>
ASDA Stamp Show	22–24 March 2019	Holiday Inn Chicago-Oakbrook, Oakbrook Terrace, IL
<b>St. Louis Stamp Expo</b>	<b>29–31 March 2019</b>	<b>St. Louis Renaissance Airport Hotel, St. Louis, MO</b>
<b>Plymouth Show</b>	<b>13–14 April 2019</b>	<b>Hellenic Cultural Center, Westland, MI</b>
<b>WESTPEX</b>	<b>26–28 April 2019</b>	<b>San Francisco Airport Marriott, Burlingame, CA</b>
<b>Philatelic Show</b>	<b>3–5 May 2019</b>	<b>Boxboro Regency, Boxborough, MA</b>
<b>PIPEX</b>	<b>10–12 May 2019</b>	<b>Red Lion Hotel on the River, Portland, OR</b>
<b>ROPEX</b>	<b>17–18 May 2019</b>	<b>Greater Canandaigua Civic Center, Canandaigua, NY</b>
<b>Rocky Mountain Stamp Show</b>	<b>24–26 May 2019</b>	<b>Crowne Plaza Hotel, Denver, CO</b>
STOCKHOLMIA 2019	29 May–2 Jun 2019	Waterfront Congress Centre, Stockholm, Sweden
<b>NAPEX</b>	<b>7–9 June 2019</b>	<b>McLean Hilton at Tyson's Corners, McLean, VA</b>
<b>COLOPEX</b>	<b>14-15 June 2019</b>	<b>St. Andrew-Nugent Parish Hall, Columbus, OH</b>
Royal*2019*Royale	21–23 June 2019	Hilton Mississauga, Mississauga, ON
APS Summer Seminar	24–27 June 2019	American Philatelic Center, Bellefonte, PA
<b>OKPEX</b>	<b>28–29 June 2019</b>	<b>Reed Convention Center, Midwest City, OK</b>
<b>Minnesota Stamp Expo</b>	<b>19–21 July 2019</b>	<b>Crystal Community Center, Crystal, MN</b>
<b>Americover</b>	<b>26–28 July 2019</b>	<b>Renaissance St. Louis Airport, St. Louis, MO</b>
<b>NTSS-APS StampShow 2019</b>	<b>1–4 August 2019</b>	<b>Hilton Omaha, Omaha, NE</b>
<b>BALPEX</b>	<b>30 Aug–1 Sep 2019</b>	<b>Baltimore Hunt Valley Inn, Baltimore, MD</b>
<b>SEAPEX</b>	<b>13–15 September 2019</b>	<b>Tukwila Community Center, Tukwila, WA</b>
<b>MILCOPEX</b>	<b>20–22 September 2019</b>	<b>Crowne Plaza Milwaukee Airport, Milwaukee, WI</b>
<b>Filatelic Fiesta</b>	<b>9–10 November 2019</b>	<b>Elks Lodge, San Jose, CA</b>
<b>CHICAGOPEX</b>	<b>22–24 November 2019</b>	<b>Westin Chicago Northwest, Itasca, IL</b>
<b>FLOREX</b>	<b>13–15 December 2019</b>	<b>Osceola Heritage Park Events Center, Kissimmee, FL</b>
<b>Southeastern Stamp Expo</b>	<b>31 Jan–2 Feb 2020</b>	<b>Hilton Atlanta Northeast, Norcross, GA</b>
<b>ARIPEX</b>	<b>14–15 February 2020</b>	<b>Mesa Convention Center, Mesa, AZ</b>
LONDON 2020	2–9 May 2020	Business Design Centre, Islington, London, England
<b>Omaha Stamp Show</b>	<b>12–13 September 2020</b>	<b>Metro Community Center, Omaha, NE</b>
<b>INDYPEX</b>	<b>2–4 October 2020</b>	<b>Hamilton Co. Fairgrounds, Noblesville, IN</b>
<b>WSP shows in bold</b>		



## HOW MANY?

Dr. Natan Slifkin

[Ed. note: This article is extracted from the November-December 2018 edition of *Biblical Archaeology Review*, Vol. 44, No. 6, pp. 60–61. Rabbi Dr. Natan Slifkin is the Director of The Biblical Museum of Natural History in Beit Shemesh, Israel. He is also the author of many books on religion and the natural sciences, including *The Torah Encyclopedia of the Animal Kingdom*.]

How many different types of animals are mentioned in the Hebrew Bible?

If you were asked to name a book that mentions lions, cheetahs, crocodiles, hippos, and hyenas, your thoughts might turn to *Tarzan* or some other such exotic tale. Bears, jackals, monkeys, and panthers are the domain of *The Jungle Book*. All these animals are also found, however, in the Bible.

There are around a hundred different types of mammals, birds, reptiles amphibians, fishes, and invertebrates mentioned in the Bible. (It's difficult to give a precise number because there are several words that may be synonyms for the same creature, as well as words that scholars are not certain even refer to animals.)

Since the setting of the Hebrew Bible is the Holy Land and its environs, the animals described in the Bible are native to that regional confluence of western Asia and northern Africa. Thus, there is no mention of pandas, penguins, or polar bears in the Bible. There are some exceptions, however; monkeys and **peacocks** from the Indian subcontinent appear in the Bible.

The reason for this is that they were shipped in to adorn King Solomon's palace. There is also a possible reference to the **giraffe**, which was likewise sometimes exported from Africa and shipped internationally as gifts for kings. Aside from such exceptions, the animals of the Bible are from the region of Israel.



Giraffe, *Giraffa camelopardalis*  
Nvassa 1921. Sc#108

However, one cannot read a modern book on the fauna of Israel to gain an understanding of Biblical wildlife. There are several species that live in the modern State of Israel that are introduced species and did not live there in Biblical times and, thus, do not appear in the Bible. Mynah birds, nutria (beaver-like rodents), and the ubiquitous brown rat are plentiful in Israel today, but they did not live there during Biblical times—or at least they are not mentioned in the Bible.

Conversely, many other species mentioned in the Bible lived there in Biblical times but subsequently disappeared from the area. These include **hippopotami**, crocodiles, hartebeest, cheetahs, bears, and lions. Some other such animals have been bred in captivity and were subsequently released back into the wild, such as ostriches, Mesopotamian fallow deer, and the magnificent **oryx** antelope.

Because the Land of Israel bridges Europe, Africa, and Asia, it was home to a unique combination of animals. It was the northernmost part of the range of many African animals, such as crocodiles and hippopotami; it was the southeastern part of the range of many European animals, such as fallow deer and wolves; and it was the westernmost part of the range of many Asian animals, such as the Asiatic cheetah.

In addition, due to its location on the eastern side of the Mediterranean, it is part of the migration route for countless birds passing between Europe and Africa. Thus, the range of animals found in the Bible is a unique combination that would not be found anywhere else in the world.



Indian Peafowl, *Pavo cristatus*  
Bahrain 2003. Sc#590b



*Hippopotamus amphibius*  
Maldives 1996. Sc#2183c

Since specific species are limited to particular regions of the world, historically people who did not live in Biblical lands were not familiar with the animals of the Bible. Consequently, they transposed the names of Biblical animals to their local equivalents. Thus, the *zvi* of the Bible is the **gazelle**, but in Europe, where there were no gazelles, the name *zvi* was transferred to the deer.

The *shu'al*, a species of which Samson captured 300 and tied fire brands to their tails, was identified in Europe as a **fox**, leading Bible critics such as Voltaire to mock the notion that it would be possible to find 300 members of such a solitary loner as the fox. However, as other verses indicate, the *shu'al* of the Scripture is actually the **jackal**, a relative of the fox that gathers in large packs. But because there are no jackals in Europe, people there had long transposed the name *shu'al* to the fox.

At the Biblical Museum of Natural History in Israel, the complex zoogeography of the Bible is fascinatingly reflected in the reactions of the visitors to the animals on exhibit. American visitors are familiar with bears and wolves, but they tend to confuse the **crocodile** with the **alligator**. Europeans are familiar with the fallow deer, but are often mystified by the mongoose.

South African visitors are very familiar with many of the animals on exhibit, including the **hyrax** (the Biblical “coney” or “rock badger,” an animal that bewilders people from Europe and America, but which is well known to those who have been to Cape Town), but they have never seen bears or wolves. And while everyone is familiar with the lion, cheetah, and hippopotamus, it comes as a shock to realize that these creature used to roam wild in the Holy Land—at a time when the country was much more densely covered in forests and swamps.

Perhaps the Bible can indeed referred to as *The Jungle Book*.



*Oryx leucoryx* & *Gazella gazella* ssp. *acaciae*  
Israel 2018, Sc#2173b&c



Red Fox, *Vulpes vulpes*  
USA 2002, Sc#3036a



Jackal, *Canis adustus*  
Ifni 1957, Sc#82



*Alligator mississippiensis*  
USA 1971, Sc#1428



*Crocodylus niloticus*  
Liberia 1997, Sc#1240k



Rock Hyrax, *Procavia capensis*  
Lesotho 1988, Sc#655

### STAMP STORIES

Jack R. Congrove, BU1424

This is a continuation of the Biology Unit one-frame exhibit "What Does (your topic) Do in Its Spare Time?" shown at the joint ATA-APS show in Columbus, Ohio. The remiaing pages will appear in upcoming editions.

Page 5: Chickens (Dawn Hamman)

**Chickens**

As you know, the poor chicken spends a lot of time *cooped up*.



That can be especially hard when the kids are misbehaving.





So, when she has some spare time, she loves to get away to a poultry show....



...and sometimes she even wins a ribbon!



# What would a Cockroach do in his leisure time?

After recruiting a ladybug friend and two musician friends he would form a three piece combo to entertain all his friends every weekend!!



Postal Stationery - Austrian State Printing House in an offset process.

## THE PUMA SEEN THROUGH MAXIMUM CARDS

### Terry Watson, Maximum Card Study Unit

[Ed. note: Terry Watson is President of the Maximum Card Study Unit. That group is offering a free full year membership to members of the Biology Unit who are also ATA members. To join, send your address to Terry at (terryw7633@comcast.net).]

Maximaphily is a philatelic specialty in which three components—stamp, postcard, and postmark—all come harmoniously together to create what is called a maximum card. The word “maximum” points to the aim of creating the most possible agreement, or concordance among the stamp, postcard, and postmark.

The *Fédération Internationale de Philatélie* (FIP) has defined what it takes to have a correct, exhibit quality maximum card. The FIP states that the stamp must be “valid for postage” and that it must be affixed to the picture side of a postcard that is of the same subject matter as is the stamp. For this article, maximum cards that have been created (“realized”) using postally valid stamps of pumas that have been placed on postcards of pumas will serve as examples in the explanation of the basics of what this field of philately entails

The U.S. Postal Service has issued six face-different stamps of the Puma (*Puma concolor*). This wild cat is known by many names, including cougar, mountain lion, panther, catamount, and red tiger. At one time, the puma was categorized into 32 subspecies living in a wide range of habitats throughout much of the Americas. However, in the 1980s, genetic studies led scientists to reduce this number to only six of which five live in South America and only one variety in North America, the *Puma concolor* cougar.

But the taxonomy of the puma is still not resolved, with many researchers involved in the conservation efforts of the Florida panther continuing to list this cat native to south Florida as the subspecies, *Puma concolor coryi*. Three of the six cougar stamps issued by the USPS are of the highly endangered Florida Panther. The first maximum card (Figure 1) has Sc#4099c from the Southern Florida Wetland Wildlife sheet affixed to the picture side of a postcard of a Florida Panther published by Impact.

The postmark is the third component in the creation of a maximum card. According to the standards of the FIP, a correct maximum card must have “concordance of place.” This means that there must be a connection between the name of the locality where the card received its postmark and the subject matter of the card and stamp.

This maximum card has the stamp tied to the postcard with an official, circle-date first day of issue (FDOI) cancel from Naples, Florida. Naples is a concordant place in that it is located near the Everglades where the Florida panther can be found. The Naples Zoo also has Florida panthers as residents, adding to the concordance of the card.



Fig. 1. *Puma concolor coryi* (USA, 2006, Sc#4099c)

On the second maximum card (Figure 2), Sc#4099c has been affixed to a postcard published by Dick Deutsch, Company, Inc., that pictures a frontal view of a Florida panther. The stamp has been tied to the postcard with an official, pictorial FDOI cancel from Naples, Florida. The fact that this pictorial postmark depicts three rosette spoonbills does not take away too much from the card. However, if the US postal artists would have depicted the panther on the postmark instead of waterfowl, this card would have been more “subject concordance” between the stamp, postcard, and postmark.

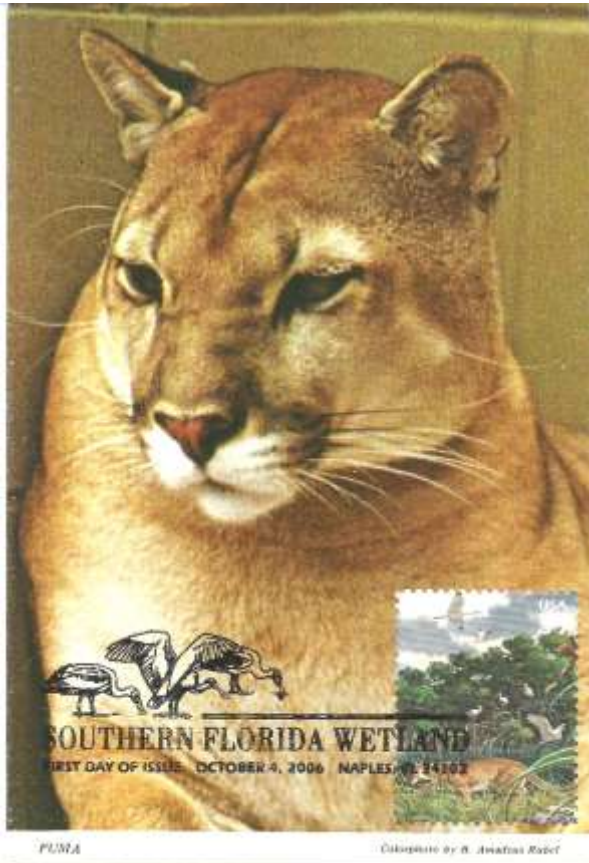


Fig. 2. *Puma concolor coryi* (USA, 2006, Sc#4099c)

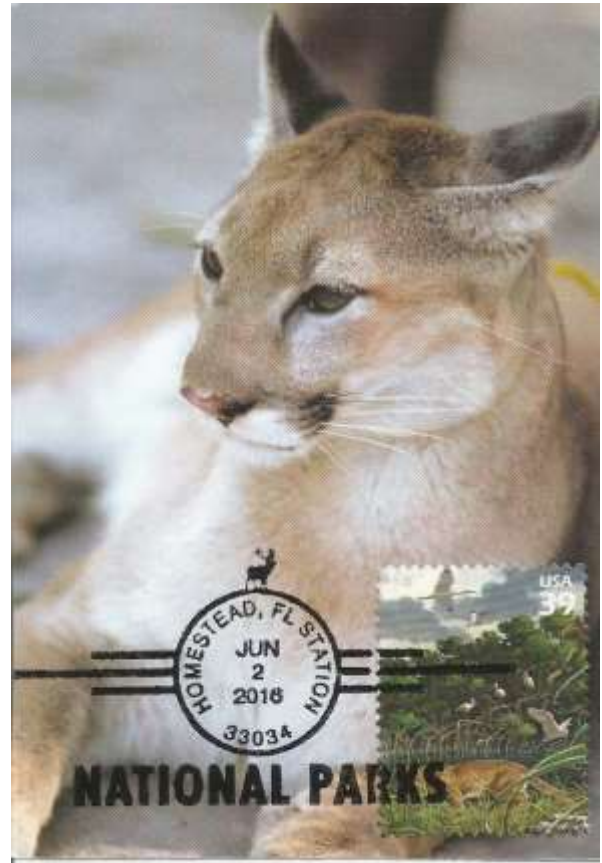


Fig. 3. *Puma concolor coryi* (USA, 2016, Sc#4099c)

On the third card (Figure 3), Sc#4099c has been tied to a Florida Panther postcard published by the Sierra Club with a more recent special National Parks postmark from Homestead, Florida. This postmark was one of a series of 16 special postmarks that the USPS offered to coincide with the 16 stamps issued on 2 June 2016, for the National Park Service centennial. There is a ten year time span between the issuance of this stamp and the postmark.

While postmarks that are closer to the issue date are generally more desirable, a pictorial cancel that is offered even ten years later is acceptable. The city of Homestead is place concordant in that this city is the gateway to the main entrance of the Everglades National Park.

Sc#4099c again has been used in the “realization” of the fourth maximum card (Figure 4). This stamp has been affixed to an Everglades National Park postcard published by Impact showing a Florida Panther at rest. This card has received a four-bar, circle-date killer postmark from Ochopee, Florida. It is often mistakenly assumed that a “correct” maximum card must have a FDOI cancel, or some other special

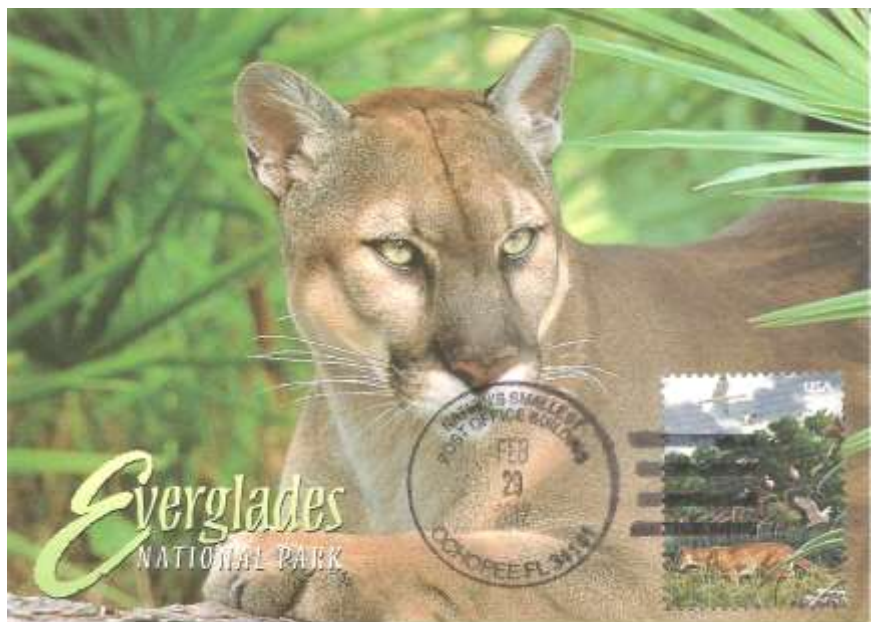


Fig. 4. *Puma concolor coryi* (USA, 2012, Sc#4099c)

postmark. This is not true as an ordinary circled-date postmark can be used as long as there is place concordance. Ochopee, Florida is place concordant because its location is within the range of the Florida Panther. The fact that the Ochopee Post Office building is the smallest in the United States adds interest to the card.

A maximum card should show as much “visual concordance” as possible between the postcard and the stamp. This visual concordance is most evident in the next maximum card (Figure 5) in which the stamp (Sc#3105m) and the postcard show the frontal portrait of a Florida Panther.

The FDOI postmark used on this card has both positive and negative features. The fact that the pictorial postmark also depicts a Florida Panther is a plus, but the fact that the cancellation site is San Diego is a minus since California is obviously not in the habitat range of the Florida Panther, nor does the San Diego Zoo have any Florida Panthers in its menagerie. However, if one uses the broader taxonomy interpretation that the Florida Panther is a sub-species of the Puma, then this card can be considered as place concordant.

Figure 6 depicts Sc#3105m affixed to a Chinese postcard of a Puma in a tree. The ordinary, four-bar circle-date postmark from Everglades City, Florida, is very concordant. The stamp was issued in 1996, and the postmark on this card was in 1999. A regular town cancellation is generally accepted if it is franked within five years of the stamps issue date.

It must be noted that it is getting more difficult to receive regular circle-date postmarks in black ink as US post offices continue to convert to red ink. For no identifiable reason, many maximaphilists shun red ink.

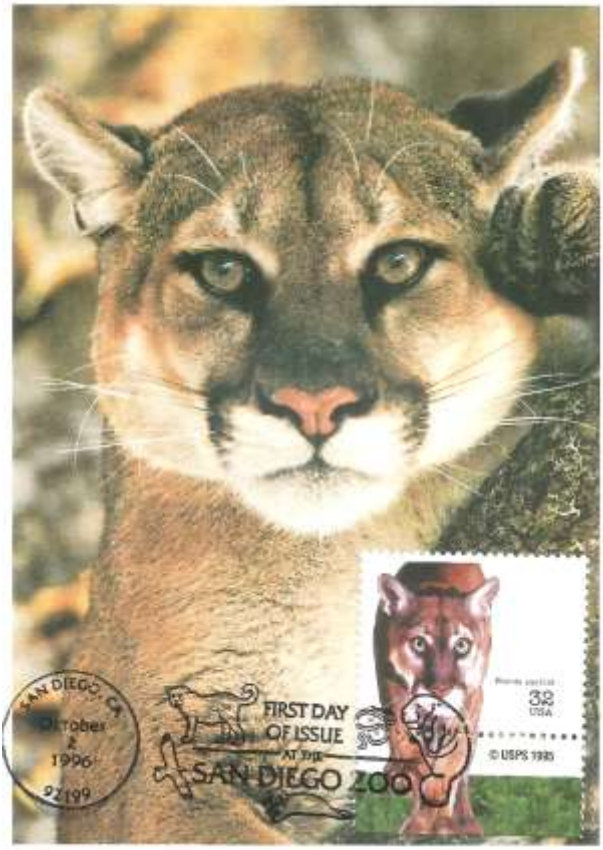


Fig. 5. *Puma concolor coryi* (USA, 1996, Sc#3105m)



Fig. 6. *Puma concolor coryi* (USA, 1996, Sc#3105m)

The Montana Flag stamp (Sc#4304) from the Flags of Our Nation series offered the opportunity for the realization of more Puma maximum cards. Figure 7 is a maximum card that uses this stamp on a postcard published by Impact of a Puma chasing a Snowshoe Hare in the snow.

Helena, Montana is place concordant in that the city falls into the range of the Puma. In fact, in recent years there have been Puma sightings near Helena’s city limits.

Figure 8 is a maximum card that has Sc#2292 showing a Mountain Lion from the 1987 CAPEX Wildlife sheet affixed to a postcard of this cat.

The “Wildlife Expo Station” postmark from Sacramento, California, pictures a Mountain Lion with open jaws. With all three maximum card components (stamp, postcard, and cancellation) depicting a Mountain Lion makes this card a highly desirable “triple.”



Fig. 7. *Puma concolor* (USA, 2010, Sc#4304)



Fig. 8. *Puma concolor* (USA, 2010, Sc#4304)

Other factors also make this a desirable card. The location of the stamp, postmark, and the pictured animal on the postcard makes this a visually appealing card. The esthetic appeal is an important factor in the realization of maximum cards.

The rarity of a postcard also adds to the value of a maximum card and this Chinese postcard would be difficult to obtain in the USA. The fact that the postcard and the stamp picture the Mountain Lion in the snow adds to the “maximum” visual concordance of the card.

It must be noted that some FDOI cancellations do not meet place concordance standards and, therefore, some first day cancels cannot be used in the creation of maximum cards.

Figure 9 is an example of this situation. The 2007 definitive stamp of a Florida Panther (Sc#4139) has been affixed to a postcard (publisher not listed) of a Florida Panther. The four-bar FDOI cancellation from Washington, DC is not place concordant as the DC area is not within the habitat range of the puma, nor does the Washington Zoo have a Florida Panther as a resident.

However, if the Smithsonian Zoo has a resident Puma, the card could be considered concordant using the broader taxonomy classification as mentioned earlier.

Figure 10, using Sc#2292, provides an example of something that is not a correct maximum card according to the

FIP standard. Although the stamp, postcard, and postmark are all concordant, the postcard was created by Unicover Corporation expressly for the use in the creation of this “maximum card.” The regulations of maximaphily established by the FIP state that a postcard must not have been created solely for the making of a maximum card. This FIP standard also means that the “official maximum cards” issued by postal administrations are not maximum cards worthy of exhibiting.

Finally, Figure 11 depicts a very problematic maximum card. The most obvious problem is the poor cancellation obtained from the Sherman, Texas, post office. A correct maximum card must have a postmark that is legible. The water-based inks used by many post offices for their special cancellations often result in poor cancellation strikes on glossy postcards. This is one of the major challenges in the creation of maximum cards. Another issue with this card is that it was published a number of years after the stamp was issued. The FIP rules state that the postcard should have been published prior to the issuance of the stamp.





Fig. 9. *Puma concolor coryi* (USA, 2009, Sc#4139)

I hope that these Puma maximum cards have given you a good introduction to the basics of maximaphily and that the FIP standards of correct maximum cards have not been overwhelming.

Someone who is beginning the collection of maximum cards should not be too concerned about FIP regulations in that these standards are set for the exhibiting of maximum cards. I feel that if one can master the concordance of stamp, postcard, and postmark, you are well on your way. As always, collect what you like personally.



<http://www.maximaphily.info/regulations.html>.

You can find a full reading of the FIP standards at

## MUSHROOM ART UNIVERSE OF TAYLOR LOCKWOOD

Stephen C. Brandt, Oregon Stamp Society

[Ed. note: My friend, Steve Brandt, from Portland, Oregon, is involved with both stamp collecting and photography, so when I learned that Taylor Lockwood was going to be making a presentation in nearby Salem, Oregon, I asked Steve to send me a report.]

On 25 October 2018, the Willamette Valley Mushroom Society held a special meeting at the Loucks Auditorium of the main Library in Salem, Oregon, to have a program on bioluminescent mushrooms by multitalented mushroom expert and photographer, Taylor Lockwood.

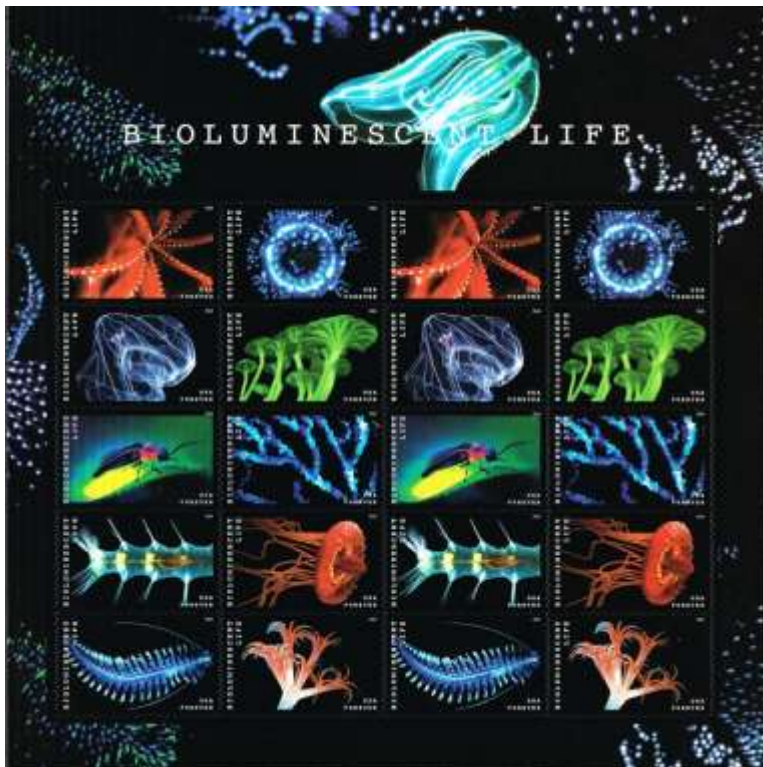
A native of Seattle, now living in Florida, he attended Washington College of Agriculture before becoming interested in music. The music business took him to San Francisco and then Los Angeles where he was a member of several rock and roll bands.

In 1984, he got tired of Los Angeles and the music business and moved to Mendocino County in California. There, he soon became fascinated with frogs and fungi. He related that he wanted to “see mushrooms as a frog does.” He has traveled all over the world to view mushrooms from the ground up.

He presented us with an audio visual program that was both informative and entertaining, and included pictures and video from the former Soviet Union, Indonesia, and mushrooms on anthills in Australia.



Taylor Lockwood



The concept of the Bioluminescent Life stamps originated in 2013. Lockwood had previously submitted designs for mushroom stamps, which he showed us in his presentation. All were rejected.

He then submitted a photograph of a *Mycena lucentipes*, a bioluminescent mushroom native to Brazil. This submission eventually became one of ten stamps featured in the issue. This stamp is the second stamp on the second row of the sheet.

The first stamp on the third row is a firefly, Lampyridae, submitted by Gail Shumway. The first stamp on the fifth row is a marine worm, *Tomoparis*, submitted by Steve Haddock. The other seven stamps came from photographs of sea creatures submitted by well-known marine biologist, Edith Widder, who is CEO and Senior Scientist at the Ocean Research and Conservation Association (ORCA).

Both Taylor and Widder were special guests at the 22 February 2018, First Day of Issue ceremony held in Fort Pierce, Florida.

Due to time limitations, we adjourned to a local restaurant where we socialized, and Lockwood answered questions. He also had samples of fungi related items for sale on his website: [taylorlockwood.com](http://taylorlockwood.com).



# BOTANY

Editor

Christopher E. Dahle, BU1269



## New Listings

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
<b>ALGERIA</b> <b>2018 May 22</b> (Intl Day of Biological Diversity) (Single)				
1752	25d	Globe w/ stylized trees, vegetation, & fauna		T V S
<b>ANGOLA</b> <b>2018 December 10</b> (Orchids) (Set/4 & SS/1)				
1532	300k	<i>Laelia purpurata</i> 'Miss Scarlet'	Orchidaceae	Fl A MS
1533	300k	<i>Cymbidium</i> 'Sandy Tiger'	Orchidaceae	Fl A MS
1534	300k	<i>Laeliocattleya</i> 'Trick or Treat Sweety'	Orchidaceae	Fl A MS
1535	300k	<i>Brassolaeliocattleya</i> Momilani Rainbow 'The Gypsy'	Orchidaceae	Fl A MS
1568	SS 1200k	<i>Laelia anceps</i> 'SanBar Bounty'	Orchidaceae	Fl A SS
<b>ANTIGUA</b> <b>2018 July 25</b> (Flowers of Antigua & Barbuda) (MS/6 & SS/1)				
3413a	\$2	Desert Rose, <i>Adenium obesum</i>	Apocynaceae	Fl A MS
3413b	\$3	White Frangipani, <i>Plumeria alba</i>	Apocynaceae	Fl A MS
3413c	\$4	Heliconia, <i>Heliconia rostrata</i>	Heliconiaceae	Fl A MS
3413d	\$5	Red Hibiscus, <i>Hibiscus rosa-sinensis</i>	Malvaceae	Fl A MS
3413e	\$6	Bougainvillea, <i>Bougainvillea spectabilis</i>	Nyctaginaceae	Fl A MS
3413f	\$7	White Oleander, <i>Nerium oleander</i>	Apocynaceae	Fl A MS
3414	SS \$12	Dagger Log, <i>Agave karatto</i>	Asparagaceae	Fl A SS
<b>ARUBA</b> <b>2018 July 31</b> (Greetings) (Set/6)				
594	90c	Hands holding apple (Get Well), <i>Malus domestica</i>	Rosaceae	Fr B
596	130c	Orchid (Condolences), <i>Phalaenopsis</i> sp.	Orchidaceae	Fl A
597	230c	Hands holding flowers (Thank You), <i>Hibiscus rosa-sinensis</i> <i>Plumeria alba</i>	Malvaceae Apocynaceae	Fl B Fl B
<b>2018 August 31</b> (Aspects of Aruban Culture) (Set/4)				
600	130c	Aloe hanging from doorway, <i>Aloe vera</i>	Xanthorrhoeaceae	V B
<b>AUSTRALIA</b> <b>2018 September 18</b> (Aussie Alphabet Type of 2016) (Set/5 & Bklt/10)				
4855	\$1	Xanthorrhoea Grass Tree, <i>Xanthorrhoea australis</i> (perf 14¾×14)	Xanthorrhoeaceae	V B
4860	\$1	Xanthorrhoea Grass Tree, <i>Xanthorrhoea australis</i> (die cut 11¼)	Xanthorrhoeaceae	V B
4860a		Bklt/10 (Sc#4860)		
<b>2018 October 2</b> (World War I Cent.) (Set/5, Bklt/4, & SS//5)				
4867-71		Small Poppy, <i>Papaver rhoeas</i> (w/ WWI scenes)	Papaveraceae	Fl C
4870a		Bklt/4 (Sc#4867-70) (perf 14¼)		
4871a		Bklt/4 (Sc#4868-71) (perf 14¼)		
4871b		Bklt/4 (Sc#4867, Sc#4869-71) (perf 14¼)		
4871c		Bklt/4 (Sc#4867-68, Sc#4870-71) (perf 14¼)		
4871d		Bklt/4 (Sc#4867-69, Sc#4871) (perf 14¼)		
4871e		SS/5 (Sc#4867-71) (perf 14¼)		
4872-76		Small Poppy, <i>Papaver rhoeas</i> (w/ WWI scenes)	Papaveraceae	Fl C
4876a		Bklt/10 (2ea Sc#4872-76) (die cut 11¼) (s/a)		
<b>AUSTRIA</b> <b>2018 October 14</b> (Flower Bouquet) (Single)				
2759	(80c)	Flower bouquet, <i>Rosa × hybrida</i> ; <i>Leucanthemum vulgare</i>	Rosaceae; Asteraceae	Fl A

<b>AUSTRIA</b> (continued)		<b>2018 October 18</b> (Western Styrian Wine Region) (Single)		
2760	90c	Grapes, <i>Vitis vinifera</i>	Vitaceae	Fr B
		<b>2018 November 16</b> (Christmas) (Set/4)		
2776	90c	Stylized Christmas tree	Pinaceae	T A S
<b>BELARUS</b>		<b>2018 May 2</b> (Paintings) (Set/4 & 2ea SS/4)		
1092	(1.50r)	Ptg by Arkhip Kuindzhi: "The Birch Grove," <i>Betula pendula</i>	Betulaceae	T A
1092a		SS/4 (Sc#1089–92)		
1092b		SS/4 (Sc#1089–92) (w/ foil application in margin)		
<b>BELGIUM</b>		<b>2018 August 27</b> (Fruit) (Vert strip/10)		
2860	(84c)	Gooseberry, <i>Ribes uva-crispa</i>	Grossulariaceae	Fr A
2861	(84c)	Raspberry, <i>Rubus idaeus</i>	Rosaceae	Fr A
2862	(84c)	Blackberry, <i>Rubus plicatus</i>	Rosaceae	Fr A
2863	(84c)	Blueberry, <i>Vaccinium myrtillus</i>	Ericaceae	Fr A
2864	(84c)	Peach, <i>Prunus persica</i>	Rosaceae	Fr A
2865	(84c)	Pear, <i>Pyrus communis</i>	Rosaceae	Fr A
2866	(84c)	Cherry, <i>Prunus avium</i>	Rosaceae	Fr A
2867	(84c)	Apple, <i>Malus domestica</i>	Rosaceae	Fr A
2868	(84c)	Strawberry, <i>Fragaria ananassa</i>	Rosaceae	Fr A
2869	(84c)	Plum, <i>Prunus domestica</i>	Rosaceae	Fr A
2869a		Vert strip/10 (Sc#2860–69)		
<b>BOSNIA &amp; HERZEGOVINA (Croat)</b>		<b>2018 May 22</b> (Myths & Flora Type) (SS/1)		
375	SS 5m	Myth of Heather and Fairy Vjetrenica, <i>Calluna vulgaris</i>	Ericaceae	Fl A SS
<b>BOSNIA &amp; HERZEGOVINA (Serb)</b>		<b>2018 October 9</b> (Flowers) (Pair)		
599a	1.70m	<i>Iris reichenbachii</i>	Iridaceae	Fl A
599b	1.70m	<i>Pimpinella serbica</i>	Apiaceae	Fl A
<b>BURKINA FASO</b>		<b>2013 September 19</b> (Environmental Protection) (Set/4)		
1361	10fr	Planting U/I trees		V A U
1362	20fr	Campaign against excessive tree cutting		T A U
<b>CANADA</b>		<b>2018 October 24</b> (World War I Armistice Cent.) (Single & Bklt/10)		
3130		Poppy, <i>Papaver rhoeas</i> (perf 13¼×13)	Papaveraceae	FL C
3131		Poppy, <i>Papaver rhoeas</i> (die cut 13¾×14) (s/a)	Papaveraceae	FL C
3131a		Bklt/10 (Sc#3131)		
<b>CARIBBEAN NETHERLANDS</b>		<b>2018 July 20</b> (Butterflies & Flowers) (MS/8+2 labels)		
104b	150c	U/I orange flowers		Fl A U MS
104d	150c	U/I yellow & red Orchids	Orchidaceae	Fl A U MS
104e	150c	U/I pink Orchids	Orchidaceae	Fl A U MS
104g	150c	U/I pink flower		Fl A U MS
labels		U/I yellow flowers		Fl Z U MS
<b>CHINA (Taiwan)</b>		<b>2018 August 22</b> (Wild Orchids Type of 2018) (Set/4)		
4433	\$7	Horse Phalaenopsis, <i>Phalaenopsis equestris</i>	Orchidaceae	Fl A
4434	\$9	<i>Odontochilus nanlingensis</i>	Orchidaceae	Fl A
4435	\$10	Notched Bulbophyllum, <i>Bulbophyllum retusiusculum</i>	Orchidaceae	Fl A
4436	\$20	Griffith's Bulbophyllum, <i>Bulbophyllum griffithii</i>	Orchidaceae	Fl A
<b>CHRISTMAS ISLAND</b>		<b>2018 January 8</b> (Lunar New Year) (MS/14 & 6ea Bklt/4)		
568a	20c	Narcissus, <i>Narcissus poeticus</i> (w/ Rat)	Amaryllidaceae	Fl B
568b	20c	Jonquil, <i>Narcissus jonquilla</i> (w/ Rabbit)	Amaryllidaceae	Fl B
568c	20c	Larkspur, <i>Delphinium sp.</i> (w/ Goat)	Ranunculaceae	Fl B

**CHRISTMAS ISLAND** (continued)

568d	20c	Marigold, <i>Tagetes erecta</i> (w/ Dog)	Asteraceae	Fl B
568e	30c	Carnation, <i>Dianthus caryophyllus</i> (w/ Ox)	Caryophyllaceae	Fl B
568f	30c	Sweet Pea, <i>Lathyrus odoratus</i> (w/ Dragon)	Fabaceae	Fl B
568g	30c	Gladiolus, <i>Gladiolus</i> sp. (w/ Monkey)	Iridaceae	Fl B
568h	30c	Chrysanthemum, <i>Chrysanthemum</i> sp. (w/ Pig)	Asteraceae	Fl B
568i	50c	Violet, <i>Viola</i> sp. (w/ Tiger)	Violaceae	Fl B
568j	50c	Passion Flower, <i>Passiflora quadrangularis</i> (w/ Snake)	Passifloraceae	Fl B
568k	50c	Rose, <i>Rosa x hybrida</i> (w/ Horse)	Rosaceae	Fl B
568l	50c	Aster, <i>Aster</i> sp. (w/ Rooster)	Asteraceae	Fl B
568m		Bklt/4 (Sc#566–67, Sc#568d, Sc#568h)		
568n		Bklt/4 (Sc#568a, Sc#568e, 2×Sc#566)		
568o		Bklt/4 (Sc#568b, Sc#568i, 2×Sc#566)		
568p		Bklt/4 (Sc#568f, Sc#568j, 2×Sc#566)		
568q		Bklt/4 (Sc#568c, Sc#568k, 2×Sc#566)		
568r		Bklt/4 (Sc#566–67, Sc#568g, Sc#568l)		

**CROATIA****2018 September 17** (Forest Protection) (Single)

1087	\$3	Stylized trees		T A S U
------	-----	----------------	--	---------

**CUBA****2017 May 26** (National Flowers: Flower & Map) (Set/8)

5941	5c	Panama: Holy Ghost Orchid, <i>Peristeria elata</i>	Orchidaceae	Fl A
5942	15c	Costa Rica: Guaría Morada, <i>Guarianthe skinneri</i>	Orchidaceae	Fl A
5943	20c	United States: Rose, <i>Rosa x hybrida</i>	Rosaceae	Fl A
5944	30c	Jamaica: Lignum-vitae, <i>Guaiacum officinale</i>	Zygophyllaceae	Fl A
5945	40c	Dominican Republic: Bayahibe Rose, <i>Pereskia quisqueyana</i>	Cactaceae	Fl A
5946	65c	Trinidad & Tobago: Pride of Trinidad, <i>Warszewiczia coccinea</i>	Rubiaceae	Fl A
5947	70c	Surinam: Flame of the Woods, <i>Ixora coccinea</i>	Rubiaceae	Fl A
5948	90c	Belize: Clamshell Orchid, <i>Prosthechea cochleata</i>	Orchidaceae	Fl A

**2017 September 8** (50th anniv. First Protest Song Festival) (Single)

5977	65c	Stylized Rose on poster, <i>Rosa x hybrida</i>	Rosaceae	Fl A S
------	-----	------------------------------------------------	----------	--------

**CURAÇAO****2018 April 18** (Flowers) (Set/8)

332	88c	West Indian Jasmine, <i>Ixora coccinea</i>	Rubiaceae	Fl A
333	122c	Passion Flower, <i>Passiflora quadrangularis</i>	Passifloraceae	Fl A
334	180c	Rubber Vine, <i>Cryptostegia grandiflora</i>	Apocynaceae	Fl A
335	190c	Orange Geiger Tree, <i>Cordia sebestena</i>	Boraginaceae	Fl A
336	285c	Peacock Flowers, <i>Caesalpinia pulcherrima</i>	Fabaceae	Fl A
337	425c	Frangipani, <i>Plumeria alba</i>	Apocynaceae	Fl A
338	443c	Giant Milkweed, <i>Calotropis gigantea</i>	Apocynaceae	Fl A
339	690c	Prickly Pear, <i>Opuntia ficus-indica</i>	Cactaceae	Fl A

**CZECH REPUBLIC****2018 June 20** (Flower Type of 2002) (Single)

3756	1k	Lily of the Valley (konvalinka), <i>Convallaria majalis</i>	Asparagaceae	Fl A
------	----	-------------------------------------------------------------	--------------	------

**DENMARK****2018 September 6** (Wild Food) (Bklt/10)

1802	9k	Stinging Nettle (Brænde nælde), <i>Urtica dioica</i>	Urticaceae	V A
1804	9k	Japanese Knotweed (Japanak avamp), <i>Reynoutria japonica</i>	Polygonaceae	V A
1805	9k	Ground Elder (Skvalder käl), <i>Aegopodium podagraria</i>	Apiaceae	V A
1806	9k	Rosehips (Hyben Rose), <i>Rosa</i> sp.	Rosaceae	Fl A
1806a		Bklt/10 (2ea Sc#1802–06)		

**DJIBOUTI****2018 August 27** (Orchids) (MS/4 & SS/1)

1552a	240fr	<i>Paphiopedilum hennisianum</i>	Orchidaceae	Fl A MS
1552b	240fr	<i>Paphiopedilum callosum</i>	Orchidaceae	Fl A MS

**DJIBOUTI** (continued)

1552c	240fr	Bent Oncidium, <i>Oncidium incurvum</i>	Orchidaceae	Fl A MS
1552d	240fr	<i>Acineta</i> (= <i>Anguola</i> ) <i>superba</i>	Orchidaceae	Fl A MS
1569	SS 950fr	Flag-like Miltoniopsis, <i>Miltoniopsis</i> (= <i>Miltonia</i> ) <i>vexillaria</i>	Orchidaceae	Fl A SS
	Margin	LL & R: <i>Dactylorhiza</i> (= <i>Orchis</i> ) <i>sambucina</i> (Cap/Syn: <i>Orchis sambucina</i> & <i>O. sureau</i> )	Orchidaceae	Fl A SS Z

**FRANCE****2018 August 3** (Trees) (Bklt/12)

5495	(95c)	Paper Birch, <i>Betula papyrifera</i>	Betulaceae	T A
5496	(95c)	Baobab, <i>Adansonia digitata</i>	Malvaceae	T A
5497	(95c)	Lebanon Cedar, <i>Cedrus libani</i>	Pinaceae	T A
5498	(95c)	European Hornbeam, <i>Carpinus betulus</i>	Betulaceae	T A
5499	(95c)	European Oak, <i>Quercus robur</i>	Fagaceae	T A
5500	(95c)	European Ash, <i>Fraxinus excelsior</i>	Oleaceae	T A
5501	(95c)	Sugar Maple, <i>Acer saccharum</i>	Sapindaceae	T A
5502	(95c)	Scots Pine, <i>Pinus sylvestris</i>	Pinaceae	T A
5503	(95c)	Giant Sequoia, <i>Sequoiadendron giganteum</i>	Cupressaceae	T A
5504	(95c)	Ginkgo, <i>Ginkgo biloba</i>	Ginkgoaceae	T A
5505	(95c)	Olive, <i>Olea europaea</i>	Oleaceae	T A
5506	(95c)	Beech, <i>Fagus sylvatica</i>	Fagaceae	T A
5506a		Bklt/12 (Sc#5495–5506)		

**GERMANY****2018 April 12** (Flower Type of 2005) (Coil)

3012	45c	Water Lily (Seerose), <i>Nymphaea alba</i>	Nymphaeaceae	Fl A
------	-----	--------------------------------------------	--------------	------

**2018 September 13** (Biodiversity) (Single)

B1147	70c+30c	Ptg by Albrecht Dürer: "A Large Piece of Turf"		V A U
-------	---------	------------------------------------------------	--	-------

**GREAT BRITAIN****2018 August 16** (250th anniv. Voyage of the Endeavor) (Set/6 & MS/4)

3757	(58p)	Red Passionflower, <i>Passiflora coccinea</i> (w/ Joseph Banks)	Passifloraceae	Fl B
3758a		Horiz pair (Sc#3757–58)		
3761	£1.45	Scarlet Clianthus, <i>Clianthus puniceus</i> (w/ Maori chief)	Fabaceae	Fl B
3762a		Horiz pair (Sc#3761–62)		

**2018 September 13** (World War I Cent.) (Set/6, Bklt/3, & Bklt/6)

3772	(67p)	Poppy, <i>Papaver rhoeas</i> (image from <i>100 Poppies</i> )	Papaveraceae	Fl A
3774a		Bklt/3 (Sc#3772–74) (perf 14¼)		
3779	(76p)	Poppy, <i>Papaver rhoeas</i> (image from <i>100 Poppies</i> )	Papaveraceae	Fl A
3779a		Bklt/6 (Sc#3778–79, 4ea Sc#MH426) (die cut 14¼) (s/a)		

**GREAT BRITAIN (Guernsey)****2018 November 8** (World War I Type of 2014) (Set/6 & 6ea Bklt/4)

1455–60		Scene w/ Small Poppy, <i>Papaver rhoeas</i> (each in Bklt/4)	Papaveraceae	Fl C
---------	--	--------------------------------------------------------------	--------------	------

**GREAT BRITAIN (Isle of Man)****2018 August 4** (ANZAC Memorials) (Set/6)

1964	52p	Waratah, <i>Telopea speciosissima</i> (w/ sculpture)	Proteaceae	Fl B
1965	83p	Kangaroo Paw, <i>Anigozanthos</i> sp. (w/ sculpture)	Haemodoraceae	Fl B
1966	£1.25	Rosemary, <i>Rosmarinus officinalis</i> (w/ sculpture)	Lamiaceae	Fl B
1967	£1.40	Blue Gum branch, <i>Eucalyptus globulus</i> (w/ bas-relief)	Myrtaceae	V B
1968	£1.75	Poppy, <i>Papaver rhoeas</i> (w/ sculpture)	Papaveraceae	Fl B
1969	£2.05	Wattle Flower, <i>Acacia pycnantha</i> (w/ sculpture)	Fabaceae	Fl B

**GRENADA****2018 June 18** (Cacao) (Pair & SS/1)

4281a	\$3	Cacao pods, <i>Theobroma cacao</i>	Malvaceae	Fr A
4281b	\$4	Cacao pods, <i>Theobroma cacao</i>	Malvaceae	Fr A
4282	SS \$10	Cacao pods, <i>Theobroma cacao</i>	Malvaceae	Fr A SS

**GRENADA** (continued)**2018 June 18** (Nutmeg) (MS/4 & SS/1)

4283a	\$4	Ground Nutmeg & seeds, <i>Myristica fragrans</i>	Myristicaceae	Fr A
4283b	\$5	Ground Nutmeg, <i>Myristica fragrans</i>	Myristicaceae	Fr A
4283c	\$6	Nutmeg seeds, <i>Myristica fragrans</i>	Myristicaceae	Fr A
4283d	\$7	Mace aril surrounding Nutmeg kernel, <i>Myristica fragrans</i>	Myristicaceae	Fr A
4284	SS \$10	Nutmeg branch & seeds, <i>Myristica fragrans</i>	Myristicaceae	Fr V A SS

**2018 August 3** (Flora & Fauna) (Set/6)

4287	\$5	Cacao tree & pods, <i>Theobroma cacao</i>	Malvaceae	Fr T A
4290	\$40	Bougainvillea, <i>Bougainvillea spectabilis</i>	Nyctaginaceae	Fl A
4291	\$60	Nutmeg, <i>Myristica fragrans</i>	Myristicaceae	T A

**HONG KONG****2018 September 21** (Macao 2018 Asian Intl Stamp Exhibition) (SS/1)

1958	SS \$10	Lotus, <i>Nelumbo nucifera</i>	Nelumbonaceae	Fl B SS
		Bauhinia, <i>Bauhinia blakeana</i>	Fabaceae	Fl B SS

**ISRAEL****2018 April 9** (Flowers) (Set/4, perf 14×14¼) (SS/4 & Bklt/8)

2177	4.10s	Garland Daisy, <i>Glebionis coronaria</i> (= <i>Chrysanthemum coronarium</i> )	Asteraceae	Fl A
2177a		Same species (perf 13½×13)		
2178	4.10s	Purple Clover, <i>Trifolium purpureum</i>	Fabaceae	Fl A
2178a		Same species (perf 13½×13)		
2179	4.10s	Syrian Cornflower-thistle, <i>Centaurea cyanooides</i>	Asteraceae	Fl A
2179a		Same species (perf 13½×13)		
2180	4.10s	Eyed Tulip, <i>Tulipa agenensis</i>	Liliaceae	Fl A
2180a		Same species (perf 13½×13)		
2180b		SS/4 (Sc#2177a–80a)		
2181	4.10s	Garland Daisy, <i>Glebionis</i> (= <i>Chrysanthemum</i> ) <i>coronarium</i>	Asteraceae	Fl A
2182	4.10s	Purple Clover, <i>Trifolium purpureum</i>	Fabaceae	Fl A
2183	4.10s	Syrian Cornflower-thistle, <i>Centaurea cyanooides</i>	Asteraceae	Fl A
2184	4.10s	Eyed Tulip, <i>Tulipa agenensis</i>	Liliaceae	Fl A
2184a		Bklt/8 (2ea (Sc#2181–84) (die cut 11¼×12¼) (s/a)		

**JAPAN****2017 October 6** (Intl Letter Writing Week: Ptg's by Hiroshige) (Set/5)

4153	70¥	Drooping Cherry, <i>Cerasus spachiana</i> f. <i>spachiana</i>	Rosaceae	Fl A
4154a		Vert pair (Sc#4153–54)		

**2017 November 8** (Gifts from the Forest) (2ea MS/10)

4169b	62¥	Stylized hardwood trees		T A S
4169c	62¥	Stylized conifers		T A S
4169d	62¥	Stylized conifer branch w/ cones	Cupressaceae	Fr T S
4169e	62¥	Stylized conifers & hardwoods		T A S
4169f	62¥	Stylized purple berries on tree		Fr A S
4169j	62¥	Stylized conifers in fog		T A S
4169		MS/10 (Sc#4169a–j)		
4170a	82¥	Three stylized trees		T A S
4170e	82¥	Japanese big-leaf Magnolia, <i>Magnolia obovata</i>	Magnoliaceae	Fl A S
4170g	82¥	Yew tree branches & berries, <i>Taxus cuspidata</i>	Taxaceae	Fr V S
4170i	82¥	Stylized tree in snow		T A S
4170j	82¥	Stylized Maple samaras, <i>Acer</i> sp.	Sapindaceae	Fr A S
4170		MS/10 (Sc#4170a–j)		

**2017 November 14** (50th anniv. Dipl. Relations w/ Maldives) (MS/10)

4171e	82¥	Palm trees on beach, <i>Cocos nucifera</i>	Areaceae	T A
4171j	82¥	Coconuts, <i>Cocos nucifera</i>	Areaceae	Fr A

## JAPAN (continued)

## 2017 December 13 (Hospitality Flower Series 9) (2ea MS/10)

4177a	62¥	Thunberg Spirea, <i>Spiraea thunbergii</i>	Rosaceae	Fl A
4177b	62¥	Ranunculus, <i>Ranunculus asiaticus</i>	Ranunculaceae	Fl A
4177c	62¥	Freesia, <i>Freesia</i> sp. Leucocoryne, <i>Leucocoryne purpurea</i>	Iridaceae Amaryllidaceae	Fl B Fl B
4177d	62¥	Camellias, <i>Camellia japonica</i>	Theaceae	Fl A
4177e	62¥	Plum blossoms Japanese apricot, <i>Prunus mume</i>	Rosaceae	Fl A
4177		MS/10 (2ea Sc#4177a-e)		
4178a	82¥	Forsythia, <i>Forsythia japonica</i>	Oleaceae	Fl A
4178b	82¥	Cyclamen, <i>Cyclamen persicum</i>	Primulaceae	Fl A
4178c	82¥	Violas, <i>Viola tricolor</i>	Violaceae	Fl A
4178d	82¥	Camellias, <i>Camellia japonica</i>	Theaceae	Fl A
4178e	82¥	Plum blossoms, <i>Prunus mume</i>	Rosaceae	Fl A
4178		MS/10 (2ea Sc#4178a-e)		

## 2018 March 2 (My Journey #3) (2ea MS/10)

4189c	62¥	Cherry blossoms, <i>Prunus serotina</i> (w/ Mt. Fuji)	Rosaceae	Fl B
4189f	62¥	Pine, <i>Pinus</i> sp. (w/ Mt. Fuji)	Pinaceae	T B
4189g	62¥	Cherry blossoms, <i>Prunus serotina</i> (w/ shrine)	Rosaceae	Fl B
4189		MS/10 (Sc#4189a-j)		
4190a	82¥	Cherry blossoms, <i>Prunus serotina</i> (w/ Mt. Fuji)	Rosaceae	Fl B
4190b	82¥	Peach tree, <i>Prunus persica</i> (w/ Mt. Fuji)	Rosaceae	Fl B
4190c	82¥	Peach blossoms, <i>Prunus persica</i>	Rosaceae	Fl A
4190d	82¥	Grapes, <i>Vitis vinifera</i>	Vitaceae	Fr A
4190j	82¥	Phlox flowers, <i>Phlox</i> sp. (near lake)	Polemoniaceae	Fl B
4190		MS/10 (Sc#4190a-j)		

## 2018 March 9 (Definitives) (2ea MS/10)

4191a	62¥	Cherry blossoms, <i>Prunus serotina</i>	Rosaceae	Fl A
4191b	62¥	U/I plants		V A U
4191c	62¥	Tulips, <i>Tulipa hybrida</i>	Liliaceae	Fl A
4191d	62¥	Rape blossoms, <i>Brassica napus</i>	Brassicaceae	Fl A
4191e	62¥	Strawberry plant, <i>Fragaria ananassa</i> Tulips, <i>Tulipa</i> sp. Dandelions, <i>Taraxacum campylodes</i>	Rosaceae Liliaceae Asteraceae	Fl B Fl B Fl B
4191		MS/10 (2ea Sc#4191a-e)		
4192a	82¥	Cherry blossoms, <i>Prunus serotina</i>	Rosaceae	Fl A
4192b	82¥	Tulips, <i>Tulipa</i> sp. Violets, <i>Viola</i> sp. Forget-me-nots, <i>Myosotis</i> sp.	Liliaceae Violaceae Boraginaceae	Fl B Fl B Fl B
4192c	82¥	Dandelions, <i>Taraxacum campylodes</i>	Asteraceae	Fl A
4192d	82¥	Strawberries, <i>Fragaria ananassa</i>	Rosaceae	Fr A
4192e	82¥	Sprout		V A U
4192		MS/10 (2ea Sc#4192a-e)		

## 2018 April 2 (Definitives) (2ea MS/10)

4193a	62¥	Roses, <i>Rosa</i> × <i>hybrida</i>	Rosaceae	Fl A
4193b	62¥	Roses, <i>Rosa</i> × <i>hybrida</i>	Rosaceae	Fl A
4193c	62¥	Hydrangeas, <i>Hydrangea macrophylla</i>	Hydrangeaceae	Fl A
4193d	62¥	Hollyhocks, <i>Alcea</i> sp.	Malvaceae	Fl A
4193e	62¥	Curcuma, <i>Curcuma</i> sp. Bouvardia, <i>Bouvardia</i> sp.	Zingiberaceae Rubiaceae	Fl B Fl B
4193		MS/10 (2ea Sc#4193a-e)		



**JAPAN** (continued)

4194a	82¥	Roses, <i>Rosa × hybrida</i>	Rosaceae	Fl A
4194b	82¥	Rose, <i>Rosa × hybrida</i>	Rosaceae	Fl A
4194c	82¥	Hydrangeas, <i>Hydrangea macrophylla</i>	Hydrangeaceae	Fl A
4194d	82¥	Carnations, <i>Dianthus caryophyllus</i>	Caryophyllaceae	Fl A
4194e	82¥	Chinese bellflowers, <i>Platycodon grandiflorus</i>	Campanulaceae	Fl A
4194		MS/10 (2ea Sc#4194a–e)		

**2018 April 11** (Flora & Fauna of Daisetsuzan Natl Park) (MS/10)

4195e	82¥	Purple Mountain Heather, <i>Phyllodoce caerulea</i>	Ericaceae	Fl A MS
4195f	82¥	Primula flowers, <i>Primula cuneifolia</i>	Primulaceae	Fl A MS
4195g	82¥	Mountain Avens, <i>Geum pentapetalum</i> (seven blossoms)	Rosaceae	Fl A MS
4195h	82¥	Mountain Avens, <i>Geum pentapetalum</i> (five blossoms)	Rosaceae	Fl A MS
4195i	82¥	Arctic Gentians, <i>Gentiana jamesii</i>	Gentiana	Fl A MS
4195j	82¥	Aleutian Bellflowers, <i>Campanula chamissonis</i>	Campanulaceae	Fl A MS
4195		MS/10 (Sc#4195a–j)		

**2018 May 16** (Japan-Russia Cooperation Year) (Horiz Pair)

4204	82¥	Daisies, <i>Matricaria chamomilla</i>	Asteraceae	Fl B
		Rhododendrons, <i>Rhododendron</i> sp.	Ericaceae	Fl B
4205	82¥	Chrysanthemums, <i>Chrysanthemum</i> sp.	Asteraceae	Fl B
		Cherry blossoms, <i>Prunus serotina</i>	Rosaceae	Fl B
4205a		Horiz Pair (Sc#4204–05)		

**LATVIA****2018 August 10** (Plant) (Single)

1000	85c	Delicate Naiad, <i>Najas tenuissima</i>	Hydrocharitaceae	V A
------	-----	-----------------------------------------	------------------	-----

**MALAGASY REPUBLIC****2014 May 12** (Landscapes Type of 2014) (MS/6)

1636b	2100a	Avenue of the Baobabs, <i>Adansonia grandidieri</i>	Malvaceae	T A MS
1636		MS/6 (Sc#1636a–f w/ attached lenticular lens)		

**MONGOLIA****2018 July 27** (Landscapes w/ Flora & Fauna) (Set/7)

2897	1300t	<i>Trollius asiaticus</i>	Ranunculaceae	Fl B
2898	1300t	<i>Saussurea involucreata</i>	Asteraceae	Fl B
2899	1300t	<i>Cynomorium coccineum</i> ssp. <i>songaricum</i> (= <i>C. songaricum</i> )	Cynomoriaceae	Fl B
2900	1300t	<i>Rhododendron aureum</i>	Ericaceae	Fl B
2901	1300t	<i>Iris bungei</i>	Iridaceae	Fl B
2902	1300t	<i>Leontopodium ochroleucum</i>	Asteraceae	Fl B
2903	1300t	<i>Adonis mongolica</i>	Ranunculaceae	Fl B

**NEW ZEALAND****2018 September 5** (125th anniv. Women's Suffrage) (Pair & SS/2)

2817	\$3	Camellia, <i>Camellia japonica</i>	Theaceae	Fl A
2817a		Horiz Pair (Sc#2816–17)		
2817b		SS/2 (Sc#2816–17)		

**2018 October 1** (100th anniv. WWI Armistice) (Set/5 & SS/5)

2823	\$3	Poppy in stained glass, <i>Papaver rhoeas</i>	Papaveraceae	Fl A
2823a		SS/5 (Sc#2819–23)		

**PERU****2018 May 23** (10th World Potato Congress, Cusco) (Horiz Pair)

1971a	4s	Hands holding Potato & Potato plant, <i>Solanum tuberosum</i>	Solanaceae	V A
1971		Horiz Pair (Sc#1971a–b)		

**POLAND****2018 September 10** (200th anniv. Warsaw Univ. Bot. Garden) (Single)

4359	3.20z	Botanical Garden scene		V A U
------	-------	------------------------	--	-------

**ST MARTIN****2016 February 17** (Flowers Type of 2016) (8ea SS/1)

Each SS has floral images from various prints by artist Maria Sibylla Merian (1647–1717) in the margins that have not been identified. See Vol. 67(1) p.18.

152	500c	Corn Cockle, <i>Agrostemma githago</i>	Caryophyllaceae	Fl A SS
153	500c	Crimson Columbine, <i>Aquilegia formosa</i>	Ranunculaceae	Fl A SS
154	500c	Desert Bearpoppy, <i>Arctomecon merriamii</i>	Papaveraceae	Fl A SS
155	500c	White Marsh Marigold, <i>Caltha leptosepala</i>	Ranunculaceae	Fl A SS
156	500c	Greater Celandine, <i>Chelidonium majus</i>	Papaveraceae	Fl A SS
157	500c	Hairy Clematis, <i>Clematis hirsutissima</i>	Ranunculaceae	Fl A SS
158	500c	Virgin's Bower, <i>Clematis ligusticifolia</i>	Ranunculaceae	Fl A SS
159	500c	Woodbine, <i>Clematis virginiana</i>	Ranunculaceae	Fl A SS

**TRINIDAD & TOBAGO****2018** (Surcharges)

935	\$2	Ratchet, <i>Nopalea cochenillifera</i> (Sc#750 surch)	Cactaceae	V A
-----	-----	-------------------------------------------------------	-----------	-----

**CACTUS FLOWERS**

On 15 February 2019, at the AmeriStamp Expo in Mesa, Arizona, the US Postal Service and American Philatelic Society held an official First Day of Issue ceremony for the Cactus Flowers booklet of stamps. The event took place in the Mesa Convention Center theater starting at 11:00 AM.

William J. Gicker, Acting Director of Stamp Services for the USPS, served as Master of Ceremonies.

Following the presentation of Colors by the Mesa Police Honor Guard and the singing of the National Anthem by students for Arcadia High School, Scoot English, Executive Director of the APS, made opening remarks.



L to R: John P. Schaefer, Kenneth Schutz, John DiPeri, Scott English, William Gicker

John DiPeri, Operations & Support Manager for the USPS Western

Area, dedicated and unveiled the stamp designs with the assistance of the other noted guests. The ten colorful designs are based on actual photographs by Dr. John P. Schaefer.

Following the unveiling, Kenneth Schutz, the Dr. William Huizingh Executive Director of the Desert Botanical Garden, offered remarks on the subjects of the stamp designs including how well the images of the blossoms had been captured. He included a plea for the conservation of these plants, many of which are endangered due to loss of habitat and illegal harvesting.

The final speaker was Dr. John P. Schaefer, the photographer whose designs were used for the stamp images. Dr. Schaefer is a former professor of photography and President Emeritus of the University of Arizona. He and Ansel Adams founded the Center for Creative Photography at the University of Arizona. Additionally, he helped to organize the Tucson Audubon Society and found the Nature Conservancy in Arizona and is the author of three best-selling books on photographic techniques.

Despite all these significant accomplishments, he told the attendees that having his photographs selected for these stamps was the highlight of his life, since these images will travel all around the world and display the beauty of these exceptional plants.

## NEW PLANTS IN THE PHILATELIC HERBARIUM

Christopher E. Dahle, BU1269



### *Heterothalamus alienus* ASTERACEAE

Common name: Romerillo

Synonyms: *Baccharis aliena*, *Heterothalamus brunioides*, *Marshallia aliena*

Shrub growing to 2 m with sessile filiform leaves. Dioecious, with flowers in spring and summer. Female flowers in yellow capitulum, 5–14 mm diameter. Native to tropical and subtropical South America from Brazil through Uruguay and Argentina growing on north-facing slopes. Used medicinally as a ferbifuge.

Uruguay Sc#2615a. Issued 18 December 2017, as publicity for the Colonia Department of Tourism. Designed by Daniel Pereya. Printed by Sanfer SRL, Montevideo.



### *Banksia baxteri* PROTEACEAE

Common name: Baxter's Banksia, Bird's Nest Banksia

Synonyms: *Banksia speciosa*, *Sirmuelleria baxteri*

Shrub 1.7 to 4 m. Leaves 80–120 mm by 30–40 mm, petiolate, hairy, lobed. Yellow flowers in August-September or December. Found in sandy areas in southwest botanical province of Australia.

Australia Sc#4804. Silo Art issue of 21 May 2018. The silo mural of *Banksia baxteri* shows its growth stages and some of the animals that pollinate it. The mural was painted in 2016 by Fremantle-based artist Amok Island. It was also printed as a MS with 3D technology, a first. Designed by Janet Boschen Design. Printed on Tullis Russell Securpost MC90 paper by offset lithography in MS/50.



### *Malus prunifolia* ROSACEAE

Common names: Plum-leaf Crabapple, Plum-leaved Apple, Pear-leaf Crabapple, Chinese Apple, and Chinese Crabapple

Synonyms: *Malus prunifolia* var. *rinki*, *Malus* × *prunifolia* var. *rinkii*

Small tree to 4.5–9 m with short trunk and broad crown. Deciduous leaves 4–9 cm by 2–5 cm are ovate with finely serrate margins. Lower side is pubescent. Corymbs of 3–10 flowers form on short shoots are 3–5 cm diameter with white petals, appearing in spring. Native to northern China.

China People's Republic Sc#4818. Issued 25 March 2018, in a set of four to commemorate Zhou Enlai on the 120th anniversary of his birth. Designer Gong Wenzhen. Printed by Woodblock overprinting by Henan Post Printing Factory in sheets of 8 or 16.



### *Malus micromalus* ROSACEAE

Common names: Kaido Crabapple, Midget Crabapple

Synonyms: *Malus* × *micromalus*

Deciduous small tree to 4 m by 3 m. Hybrid of *M. baccata* and *M. spectabilis*, unknown in wild. Leaves are ovate to 8 cm long. Buds are red and flowers pink in corymbs 4–6 cm appearing in spring. Fruit, 15 mm in diameter, is edible.

China People's Republic Sc#4519. Issued 25 March 2018.

***Malus honanensis*** ROSACEAE

Common names: Honan Crabapple

Synonyms: *Sinomalus honanensis*

Shrub or small tree growing up to 5–7 m tall; Leaf blade is broadly ovate, narrowly elliptic, or ovate, 4–7 × 3.5–6 cm. Flowers in May, petals pinkish white and fruits between September and August. Found in thickets in valleys and on slopes, 800–2600 m in Gansu, Hebei, Henan, Hubei, Shaanxi, and Shanxi provinces of China.

China People's Republic Sc#4520. Issued 25 March 2018.

***Sphaerocarpos texanus*** SPHAEROCARPACEAE

Common name: Texas Balloonwort

A liverwort. The most widespread and commonest species of *Sphaerocarpos*. Archegonial plants are 6–15 mm in diameter, and antheridial plants 2–6 mm. Both are bright green with branched thallus. Yellowish-brown to dark brown spores are permanently united in tetrads. Found in the Americas, northern Africa, and Europe in soils of disturbed areas and areas of seasonal flooding.

Montenegro Sc#428. Issued 12 April 2018, in a set of two illustrating Flora.

Designer: Brankica Mikić. Printed by BLICDRUK in Sarajevo.

***Pleione limprichtii*** ORCHIDACEAE

Common name: Hardy Chinese Orchid

Synonyms: *Pleione bulbocodioides* var. *limprichtii*

Terrestrial or lithophytic herb with green or purple ovoid pseudobulb 3–4 × 2–2.5 cm. Single leaf. Flowers generally solitary, purplish red to rose-pink, appear April–May. Found on humus covered or mossy rocks and cliffs, at 2000–2500 m in Southwestern Sichuan and Yunan Provinces of China and perhaps in northern Myanmar.

Sierra Leone Sc#4182c. Issued 30 March 2017, in a MS/4. Designed and printed by the Inter-Governmental Philatelic Corporation, New York.

***Cattleya bicalhoi*** ORCHIDACEAESynonyms: *Laelia dayana*

Epiphyte with cylindrical pseudobulbs and single leaves. Flowers 4.5 cm occur summer to fall. Endemic to Brazil, from southern Minas Gerais to Rio de Janeiro at elevations 500–2000 m.

Sierra Leone Sc#4358a. Issued 30 August 2017, in MS/4. Designed and printed by the Inter-Governmental Philatelic Corporation, New York.

***Bifrenaria inodora*** ORCHIDACEAE

Common name: Odorless Bifrenaria

Synonyms: *Bifrenaria fragrans*, *B. fuerstenbergiana*

Medium sized epiphyte with quadrangular pseudobulbs 5–7 cm bearing single leaf to 30 cm. Flowers 7.5 cm, up to two per stem. Found in montane rainforests at elevation 50–1000 m in southern Brazil states of Espírito Santo to Rio Grande do Sul.

Sierra Leone Sc#4358c. Issued 30 August 2017.

***Bulbophyllum pteroglossum* ORCHIDACEAE**

Synonyms: *Bulbophyllum monanthum* and eight others

Epiphyte with a stout, creeping rhizome. Cylindric, tapering towards the apex pseudobulbs enveloped by sheaths and carrying a single leaf. Small flowers, 1.5 cm, appear in fall or winter on pendant 1 cm single inflorescence. Grows in eastern Himalayas, Bhutan, Myanmar, Thailand, southern China, and Vietnam in primary montane forests at elevations of 1000 to 2500 m.

Sierra Leone Sc#4378. Issued 30 August 2017, as a souvenir sheet.

***Cyanus tchihatcheffii* ASTERACEAE**

Common name: Yanardöner, Golbasi Cornflower, Red Cornflower

Synonyms: *Centaurea purpleiradiata*, *C. tchihatcheffii*, *Melanoloma tchihatcheffii*

Annual 20–50 cm with woody tap-root. Flowers pale or dark pinkish-red appear April to mid-June. Capitulum is 20–25 × 10–15 mm. Limited distribution in Ankara-Golbasi region of Turkey.

Turkey Sc#3594. Issued 21 March 2018, in a set of 7. Printed digitally by PTT Printing House in sheets of 50 in a quantity of 100,000.

***Crocus antalyensis* IRIDACEAE**

Common name: Antalya Crocus

Synonyms: *Crocus antalyensis* ssp. *antalyensis*

Herbaceous plant with 3–8 ephemeral leaves and underground corm. Flowers in spring pale to deep lilac blue with purple spotted exterior. Grows in evergreen oak scrub. Known only from the type locality in the province Fethiye in western Turkey.

Turkey Sc#3596. Issued 21 March 2018, in a set of 7.

***Odontochilus nanlingensis* ORCHIDACEAE**

Synonyms: *Anoectochilus nanlingensis*

Herbaceous plant 7.5–8.5 cm with 3–5 deep green leaves ~0.8 × ~0.6 cm. Flower is white with purple stripes along midvein of petals and sepals.

China (Taiwan) Sc#4434. Issued 22 August 2018, as Part 3 of Wild Orchids of Taiwan series of definitives. Designer: Chijen Li. Printed in sheets of 100 by Offset on phosphorescent stamp paper in quantities of 2 million.

***Bulbophyllum retusiusculum* ORCHIDACEAE**

Common name: Notched Bulbophyllum

Synonyms: *B. retusiusculum* var. *oreogenes*, *B. retusiusculum* var. *retusiusculum*, *B. retusiusculum* var. *tigrinum*

Slender pseudobulb with single leaf. Blossoms 1.5–2.5 cm, appear in summer and fall on 6–12 flowered 14 cm long inflorescence. The lateral sepals are bright yellow and the dorsal sepal is red-purple. Widespread in China, Nepal, eastern Himalayas, Assam

India, Bhutan, Sikkim, Myanmar, Thailand, Malaysia, Laos, Vietnam, and Taiwan in evergreen lowland forests or primary montane forests at elevations of 500 to 3000 m.

China (Taiwan) Sc#4435. Issued 22 August 2018, in Part 3 of Wild Orchids of Taiwan definitives. Printed in quantity of 16 million.

***Tulipa agenensis* LILIACEAE**

Common name: Eyed Tulip, Sun's-eye Tulip

Synonyms: *T. agenensis* ssp. *boissieri*, *T. agenensis* ssp. *sharonensis*

Herbaceous bulbed perennial with a rosette of entire ephemeral leaves 2–3 cm wide, 15–30 cm high. Showy red, black and yellow single flowers 4–6 cm in February–April on stalk 20 cm. Grows in Mediterranean maquis and forest in Turkey, Iran, Cyprus, the Aegean Islands, Syria, Lebanon, Israel, Jordan, and Palestine.

Israel Sc#2180, 2180a, 2180b, & 2184. Issued 9 April 2018, in a set of four Spring Flowers. Designed by Tuvia Kurtz Ronan Goldberg. Printed by Offset in sheets perforated 14×14¼ and 13½×13, as a SS/4 perforated 13½×13, and as a Bklt/8 self-adhesives printed by Plexo and serpentine die cut 11¼×12¼.

***Najas tenuissima* HYDROCHARITACEAE**

Common name: Delicate Naiad

Synonyms: *Najas tenuissima* ssp. *amurensis*

Annual freshwater aquatic plant, 8–20 cm, with brittle stems and serrated leaves 20–50 mm. Small inconspicuous flowers occur in leaf sheaths in June. Fruits appear in August. Seeds are 2–3 mm, oblong elliptical. Disjunctive range in Eastern Europe, the Urals, Siberia and Kazakhstan, and in Japan.

Latvia Sc#1000. Issued 10 August 2018, to commemorate the Latvian Fund for nature. Designer: Edgars Folks. Printed by Baltija Banknote, tête-bêche in sheets of four.

***Archidendron jiringa* FABACEAE**

Common name: Dogfruit, Jering (Malay), Niang (Thai)

Synonyms: 11 synonyms

Tropical evergreen tree to 21 m with trunk 60 cm diameter at breast height. Compound bipinnate leaves to 25 cm. Four to seven cream to white flowers in pseudo-umbel. Pods twisted, deep purple, 20–25 cm long and 4–5 cm wide with 3–9 seeds. Seeds eaten raw or steamed. Used as vegetable or flavoring for food. Traditional medicinal uses include toothache, chest pains, and skin ailments. Pharmacological studies show antimicrobial, antioxidant, anti-gastric, antinematodal, and antidiabetic effects. Found in primary and secondary forests on sandy soils at 0–1000 m in Bangladesh, Burma, Thailand, Malay Peninsula, Sumatra, Bangka, Java, and Borneo.

Malaysia Sc#1757. Issued 17 May 2018, in a set of three, Medicinal Plants #4. Designer: World Communications Network Resources (M) Sdn Bhd, Kuala Lumpur. Printer: Thai British Security Printing, Thailand. Paper: Titus Russell High Reading yellow/green phosphor gummed stamp paper. Process: Lithography. Sheets of 20.

***Cynomorium coccineum* ssp. *songaricum* CYNOMORIACEAE**Synonyms: *C. purpureum*, *C. songaricum*

Parasitic plants with no chlorophyll have subterranean stem. Scale-like leaves 0.5–1.5 by 0.5–1.2 cm. Flowers on a spadix 5–16 × 2–6 cm. Male flowers perianth lobes often four, whitish proximally, purplish red distally 2.5–3.5 by 0.8–1.2 mm. Female flowers with 5–6 lobes, linear-lanceolate 1–2 mm. Flower in May–July with fruit June–July. Parasitic on roots of *Nitaria*, *Reaumuria*, *Salsola*, and *Tamarix* shrubs near lakes, bogs, streams, and rivers in deserts. Found at 500–700

m in Afghanistan, Mongolia, Central Asia, and SW Asia.

Mongolia Sc#2899. Issued 27 July 2018, in a set of seven depicting Mongolian landscapes with flora and fauna. Printed by offset lithography in sheets of 12.

***Adonis mongolica*** RANUNCULACEAE

Synonyms: *Adonanthe mongolica*, *Chrysocyathus mongolicus*

Perennial herbs 10–20 cm. Stems branched. Rhizomes thick, 4–7 cm long. Leaves two-three times pinnatisect, ultimate segments ovate or rhomboid. Flowers bisexual, snow white, large, radial symmetric. Sepals 5–8, violet. Petals 11–12. Flowers June–July. Distribution: Endemic to Mongolia.

Mongolia Sc#2903. Issued 27 July 2018, in a set of seven of Mongolian landscapes.

***Arctomecon merriamii*** PAPAVERACEAE

Common name: Desert Bearpoppy, White Bearpoppy, Great Bearclaw Poppy

Perennial herb with rosette of leaves 4–12 cm, nearly unlobed to shallowly lobed and pilose. Blooms April–May. Pilose petals, white 2.5–4 cm. Capsules persistent, 2.5–4 cm. Native to California and Nevada on a variety of dry to sometimes moist basic soils, including alkaline clay and sand, gypsum, calcareous alluvial gravels, and carbonate rock outcrops in the creosote bush and blackbrush zones 600–1700 m.

St. Martin Sc#154, Issued 17 February 2016, in a set of eight, each as a single stamp in a souvenir sheet.

***Caltha leptosepala*** RANUNCULACEAE

Common names: White Marsh Marigold, Twinflowered Marsh Marigold, Broadleaved Marsh Marigold

Synonyms: 7 synonyms

Perennial herb. Basal leaves: blade oblong-ovate to orbiculate-reniform, largest 1.5–11.5 × 1–13 cm, margins entire or crenate to dentate. Inflorescences 1–2 flowered. Flowers 15–40 mm, sepals white to yellow. Flowering late spring–summer. Open,

wet, subalpine and alpine marshes, wet seepages; 750–3900 m western US and Canada.

St. Martin Sc#155. Issued 17 February 2016.

***Clematis hirsutissima*** RANUNCULACEAE

Common names: Hairy Clematis, Sugarbowls, Vase Flower, Leatherflower, Lion's Beard

Synonyms: *C. hirsutissima* var. *arizonica*, *C. hirsutissima* var. *scottii*

Terrestrial perennial herb. Stems erect, 15–65 cm, hirsute. Leaf blade 2–3 pinnate sparsely to densely silky-hirsute. Inflorescences terminal, flowers solitary. Flowers broadly cylindrical to urn-shaped. Sepals very dark violet-blue, oblong-lanceolate, 2.5–4.5 cm, margins narrowly expanded distally, 0.5–2 mm wide, slightly spreading, abaxially usually densely hirsute. Meadows, ponderosa pine forests, montane habitats, open woods, thickets at 2000–2600 m from Washington eastwards to Nebraska.

St. Martin Sc#157. Issued on 17 February 2016.

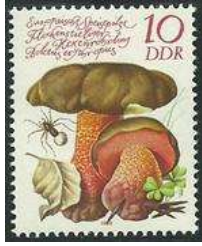
***Clematis ligusticifolia*** RANUNCULACEAE

Common names: Virgin's Bower, Old Man's Beard, White Clematis

Synonyms: 5 synonyms

Perennial herb or vine clambering or climbing, to 6 m. Leaf blade pinnately 5-foliolate or 2-pinnate and 9–15-foliolate, somewhat succulent. Inflorescences axillary, usually 7–20-flowered compound cymes. Flowers unisexual; sepals wide-spreading, not recurved, white to cream in June–September. Forest edges, woods, riparian deciduous woodlands, moist wooded draws, scrub, secondary sites derived from these, or clearings and pastures, usually near streams or on moist slopes; 0–2600 m in western US from Mexico to Canada.

St. Martin Sc#158. Issued 17 February 2016.



# 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.]

## ANGOLA

2018 December 10 (Mushrooms) (MS/4 & SS/1)

1536	300k	Fly Agaric, <i>Amanita muscaria</i> ☞	Amanitaceae	A
1537	300k	Mica Cap (Shiny Cap), <i>Coprinellus micaceus</i>	Psathyrellaceae	A
1538	300k	Blusher, <i>Amanita rubescens</i>	Amanitaceae	A
1539	300k	Yellow Stainer, <i>Agaricus xanthodermus</i> ☞	Agaricaceae	A
1569	SS 1200k	Parrot Toadstool (Parrot Waxcap), <i>Gliophorus psittacinus</i>	Hygrophoraceae	A
	Margin	UL: Yellow Stainer, <i>Agaricus xanthodermus</i> ☞ (drawing)	Agaricaceae	Z
		LL: Fly Agaric, <i>Amanita muscaria</i> ☞ (drawing)	Amanitaceae	Z
		R: Grey Spotted Amanita, <i>Amanita excelsa</i>	Amanitaceae	Z

## CZECH REPUBLIC

2018 June 20 (Mushrooms) (Bklt/10)

3758	A	Orange Birch Bolete, <i>Leccinum versipelle</i> (Cap. <i>L. rufescens</i> ) ☞	Boletaceae	A
3759	A	Blusher, <i>Amanita rubescens</i>	Amanitaceae	A
3759a		Bklt/10 (5ea Sc#3758–59)		

## DENMARK

2018 September 6 (Wild Food) (Bklt/10)

1803	9k	Karl Johan Mushroom (Penny Bun), <i>Boletus edulis</i>	Boletaceae	A
1806a		Bklt/10 (2ea Sc#1802–06)		

## DJIBOUTI

2018 August 27 (Mushrooms) (MS/4 & SS/1)

1553a	240fr	Grooved Bonnet, <i>Mycena polygramma</i>	Mycenaceae	A
1553b	240fr	Chanterelle, <i>Cantharellus cibarius</i>	Cantharellaceae	A
1553c	240fr	Saffron Milk Cap (Red Pine Mushroom), <i>Lactarius deliciosus</i>	Russulaceae	A
1553d	240fr	Parasol Mushroom, <i>Macrolepiota procera</i>	Agaricaceae	A
1570	SS 950fr	Mosaic Puffball, <i>Handkea utriformis</i>	Lycoperdaceae	A
	Margin	R: Honey Fungus, <i>Armillaria mellea</i>	Physalacriaceae	Z

## ESTONIA

2018 August 23 (Mushroom) (Single)

873	65c	Brain Mushroom (Turban Fungus), <i>Gyromitra esculenta</i> ☞	Discinaceae	A
-----	-----	--------------------------------------------------------------	-------------	---

## KOSOVO

2016 July 4 (Mushrooms) (Set/3 & MS/4)

Note: These listings correct and replace those published in Vol. 66(2), p.131 of June 2017. In addition, Scott notes that Sc#306A, Sc#306B, and Sc#306C have misspelled Latin names.

306A	60c	Porcini Mushroom, <i>Boletus edulis</i>	Boletaceae	A
306B	80c	None found, <i>Morchella vulgaris</i>	Morchellaceae	A
306C	€1.30	Birch Bolete, <i>Leccinum scabrum</i>	Boletaceae	A
307		MS/4 (Sc#306A, Sc#306B, Sc#306C, Sc#307a)		
307a	90c	Fly Agaric, <i>Amanita muscaria</i>	Amanitaceae	A





# MAMMALIA

Editor

Michael Prince, LM68



## New Listings

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
<b>AUSTRIA</b> <b>2018 October 12</b> (30th anniv. Four Paws International) (Single)				
2758	90c	Brown Bear, <i>Ursus arctos</i>	Ursidae	A
<b>BANGLADESH</b> <b>2018 August</b> (Praga 2018 ovpt on Sc#773) (Single)				
886	50t	Tiger, <i>Panthera tigris</i>	Felidae	A
<b>BELARUS</b> <b>2018 March 1</b> (Fauna of State Reserves) (SS/2)				
1083	(42k)	Wild Cat, <i>Felis silvestris</i>	Felidae	A
1084	(1.50r)	Eurasian Elk, <i>Alces alces</i>	Cervidae	A
1084a		SS/2 (Sc#1083–84)		
<b>BOSNIA &amp; HERZEGOVINA</b> <b>2018 April 17</b> (Hedgehog) (SS/1)				
798	SS 2.50m	Eastern European Hedgehog, <i>Erinaceus concolor</i>	Erinaceidae	A
<b>CANADA</b> <b>2018 October 10</b> (Sheep) (Single)				
3129	\$4	Rocky Mountain Bighorn Sheep, <i>Ovis canadensis canadensis</i>	Bovidae	A
<b>CHINA (People's Republic)</b> <b>2018 May 19</b> (Buffalo) (Single w/ label)				
4533	\$1.20	European Bison, <i>Bison bonasus</i>	Bovidae	A
<b>COSTA RICA</b> <b>2018 August 24</b> (Carara National Park) (Single)				
699	580col	White-nosed Coati, <i>Nasua narica</i>	Procyonidae	A
<b>CUBA</b> <b>2017 July 5</b> (World Environment Day) (Set/6)				
5955	15c	Desmarest's Hutia, <i>Capromys pilorides</i>	Capromyidae	A
<b>2017 November 15</b> (Endangered Animals) (Set/6 & SS/1)				
6003	15c	Polar Bear, <i>Ursus maritimus</i>	Ursidae	A
6004	30c	Bornean Orangutan, <i>Pongo pygmaeus</i>	Hominidae	A
6005	50c	Sperm Whale, <i>Physeter macrocephalus</i>	Physeteridae	A
6006	75c	Bengal Tiger, <i>Panthera tigris</i>	Felidae	A
6007	85c	African Bush Elephant <i>Loxodonta africana</i>	Elephantidae	A
6008	90c	Red Kangaroo, <i>Macropus rufus</i>	Macropodidae	A
6009	SS 1p	Cuban Solenodon, <i>Solenodon cubanus</i>	Solenodontidae	A
<b>CZECH REPUBLIC</b> <b>2018 September 5</b> (Animals in Czech Republic Zoos) (MS/4+4 labels)				
3765a	19k	North American Brown Bear, <i>Ursus arctos</i> ssp. <i>horribilis</i>	Ursidae	A
3765b	23k	Bornean Orangutan, <i>Pongo pygmaeus</i>	Hominidae	A
3765c	27k	African Bush Elephant, <i>Loxodonta africana</i>	Elephantidae	A
3765d	33k	Top: Diana Monkey, <i>Cercopithecus diana</i>	Cercopithecidae	B
		Bot: Hippopotamus, <i>Hippopotamus amphibius</i>	Hippopotamidae	B
Margin		UR: Prevost's Squirrel, <i>Callosciurus prevostii</i>	Sciuridae	Z
		UL: Fishing Cat, <i>Prionailurus viverrinus</i>	Felidae	Z
		MR: North Sulawesi Babirusa, <i>Babyrousa celebensis</i>	Suidae	Z
		ML: Sloth Bear, <i>Melursus ursinus</i>	Ursidae	Z
		MR: Mongoose Lemur, <i>Eulemur mongoz</i>	Lemuridae	Z
		Label: Red Kangaroo, <i>Macropus rufus</i>	Macropodidae	Z
		Label: Rothschild's Giraffe, <i>Giraffa camelopardalis rothschildi</i>	Giraffidae	Z

**CZECH REPUBLIC** (continued)

Label: Mandrill, <i>Mandrillus sphinx</i>	Cercopithecidae	Z
LL: Giant Anteater, <i>Myrmecophaga tridactyla</i>	Myrmecophagidae	Z
Bot: Pygmy Slow Loris, <i>Nycticebus pygmaeus</i>	Lorisidae	Z
LR: South American Coati, <i>Nasua nasua</i>	Procyonidae	Z

**DJIBOUTI****2018 August 27** (Fauna & Flora) (4ea MS/4 & 4ea SS/1)

1538a	240fr	Lion, <i>Panthera leo</i> ♂ (roaring)	Felidae	A
1538b	240fr	Same species ♀ (w/ cubs)	Felidae	A
1538c	240fr	Same species ♂ (on rock)	Felidae	A
1538d	240fr	Same species ♀ (roaring)	Felidae	A
1555	SS 950fr	Lion, <i>Panthera leo</i> (also R margin)	Felidae	A Z
1539a	240fr	Tiger, <i>Panthera tigris</i> (facing front)	Felidae	A
1539b	240fr	Same species (w/ trees)	Felidae	A
1539c	240fr	Same species (group)	Felidae	A
1539d	240fr	Same species (leaping in snow)	Felidae	A
1556	SS 950fr	Tiger, <i>Panthera tigris</i>	Felidae	A
	Margin	R: Same species (white variant)	Felidae	Z
1541a	240fr	Asiatic Elephant, <i>Elephas maximus</i> (two animals)	Elephantidae	A
1541b	240fr	African Bush Elephant, <i>Loxodonta africana</i> (facing L)	Elephantidae	A
1541c	240fr	African Bush Elephant, <i>Loxodonta africana</i> (trumpeting)	Elephantidae	A
1541d	240fr	Asiatic Elephant, <i>Elephas maximus</i> (juvenile)	Elephantidae	A
	Margin	Bkgrd: African Bush Elephant, <i>Loxodonta africana</i>	Elephantidae	Z
1558	SS 950fr	African Bush Elephant, <i>Loxodonta africana</i> (also R margin)	Elephantidae	A Z
1542a	240fr	Golden Snub-nosed Monkey, <i>Rhinopithecus roxellana</i>	Cercopithecidae	A
1542b	240fr	White-handed Gibbon, <i>Hylobates lar</i>	Hylobatidae	A
1542c	240fr	Proboscis Monkey, <i>Nasalis larvatus</i>	Cercopithecidae	A
1542d	240fr	Mantled Guereza, <i>Colobus guereza</i>	Cercopithecidae	A
1559	SS 950fr	Mandrill, <i>Mandrillus sphinx</i>	Cercopithecidae	A
	Margin:	LL & R: Cotton-top Tamarin, <i>Saguinus oedipus</i>	Callitrichidae	Z

**ECUADOR****2018 May 18** (Domesticated Animals) (Horiz strip/5)

2212a	\$2	Llama, <i>Lama glama</i>	Camelidae	A
2212b	\$2	Guinea Pig, <i>Cavia porcellus</i>	Caviidae	A
2212c	\$2	Domestic Cow, <i>Bos taurus</i>	Bovidae	A
2212d	\$2	Domestic Sheep, <i>Ovis aries</i>	Bovidae	A
2212e	\$2	Domestic Horse, <i>Equus ferus</i> ssp. <i>caballus</i>	Equidae	A

**GEORGIA****2018 July 6** (Endangered Animals in Red Book of Georgia) (MS/4)

551a	50t	Eurasian Lynx, <i>Lynx lynx</i>	Felidae	A
551b	50t	Caucasian Squirrel, <i>Sciurus anomalus</i>	Sciuridae	A
551c	50t	Red Deer (Elk), <i>Cervus elaphus</i>	Cervidae	A
551d	50t	Brown Bear, <i>Ursus arctos</i>	Ursidae	A

**GUYANA****2018 June 7** (Wildlife) (Set/5)

4557	\$80	Jaguar, <i>Panthera onca</i>	Felidae	A
------	------	------------------------------	---------	---

**2018 August 8** (Native Mammals of South America) (MS/6 & SS/1)

4575a	\$420	Spectacled Bear, <i>Tremarctos ornatus</i> (head only)	Ursidae	A
4575b	\$420	Spectacled Bear, <i>Tremarctos ornatus</i> (facing R)	Ursidae	A
4575c	\$420	Red Brocket Deer, <i>Mazama americana</i> (head only)	Cervidae	A
4575d	\$420	Red Brocket Deer, <i>Mazama americana</i> (facing L)	Cervidae	A
4575e	\$420	Nine-banded Armadillo, <i>Dasypus novemcinctus</i> (head only)	Dasypodidae	A
4575f	\$420	Nine-banded Armadillo, <i>Dasypus novemcinctus</i> (facing L)	Dasypodidae	A
4576	SS \$830	Spectacled Bear, <i>Tremarctos ornatus</i>	Ursidae	A

<b>GUYANA</b> (continued)		<b>2018 August 8</b> (Wild Cats) (2ea MS/4)			
4577a	\$380	Oncilla (Little Spotted Cat), <i>Leopardus tigrinus</i>	Felidae		A
4577b	\$400	Margay, <i>Leopardus wiedii</i>	Felidae		A
4577c	\$420	Ocelot, <i>Leopardus pardalis</i>	Felidae		A
4577d	\$440	Puma, <i>Puma concolor</i>	Felidae		A
4577	Margin	UR: Stylized drawing of wild cat (horiz stamps)			S Z
4578a	\$380	Oncilla (Little Spotted Cat), <i>Leopardus tigrinus</i>	Felidae		A
4578b	\$400	Margay, <i>Leopardus wiedii</i>	Felidae		A
4578c	\$420	Ocelot, <i>Leopardus pardalis</i>	Felidae		A
4578d	\$440	Puma, <i>Puma concolor</i>	Felidae		A
4578	Margin	UR: Stylized drawing of wild cat (vert stamps)			S Z
<b>HUNGARY</b>		<b>2018 July 2</b> (WWF) (Set/4)			
4486	210fo	Giant Panda, <i>Ailuropoda melanoleuca</i>	Ursidae		A
4487	320fo	African Bush Elephant, <i>Loxodonta africana</i>	Elephantidae		A
4488	330fo	Polar Bear, <i>Ursus maritimus</i>	Ursidae		A
4489	485fo	Bornean Orangutan, <i>Pongo pygmaeus</i>	Hominidae		A
<b>JAPAN</b>		<b>2017 November 3</b> (Gifts from the Forest) (MS/10)			
4170h	82¥	Eurasian Flying Squirrel, <i>Pteromys Volans</i> (stylized)	Sciuridae		S A
<b>LIBERIA</b>		<b>2016 November 3</b> (WWF) (Horiz strip/4 & SS/8)			
3167a	\$100	Hippopotamus, <i>Hippopotamus amphibius</i> (two laying)	Hippopotamidae		A
3167b	\$100	Same species (juvenile)	Hippopotamidae		A
3167c	\$100	Same species (standing)	Hippopotamidae		A
3167d	\$100	Same species (in water)	Hippopotamidae		A
<b>MARSHALL ISLANDS</b>		<b>2018 June 18</b> (Whales) (MS/4 & SS/1)			
1199a	\$2	Pygmy Sperm Whale, <i>Kogia breviceps</i>	Physeteridae		A
1199b	\$2	Blainville's Beaked Whale, <i>Mesoplodon densirostris</i>	Ziphiidae		A
1199c	\$2	Orca (Killer Whale), <i>Orcinus orca</i>	Delphinidae		A
1199d	\$2	Blue Whale, <i>Balaenoptera musculus</i>	Balaenopteridae		A
1200	SS \$4	Humpback Whale, <i>Megaptera novaeangliae</i>	Balaenopteridae		A
<b>MOLDOVA</b>		<b>2018 March 29</b> (Fauna of <i>Padurea Domneasca</i> Nature Reserve) (Set/4)			
977	4l	Wild Boar, <i>Sus scrofa</i>	Suidae		A
978	5.75l	European Bison, <i>Bison bonasus</i>	Bovidae		A
<b>MONGOLIA</b>		<b>2018 July 27</b> (Landscapes) (Set/7)			
2897	1300t	Tarbagan Marmot, <i>Marmota sibirica</i>	Sciuridae		B
2898	1300t	Grey Wolf, <i>Canis lupus</i>	Canidae		B
2900	1300t	Eurasian Elk, <i>Alces alces</i>	Cervidae		B
2901	1300t	Argali, <i>Ovis ammon</i>	Bovidae		B
2902	1300t	Wild Boar <i>Sus scrofa</i>	Suidae		B
2903	1300t	Reindeer (Caribou), <i>Rangifer tarandus</i>	Cervidae		B
<b>NEVIS</b>		<b>2018 May 4</b> (Squirrels) (SS/3) (round)			
1943a	SS \$4	Red Squirrel, <i>Sciurus vulgaris</i>	Sciuridae		A
1943b	SS \$5	Red Squirrel, <i>Sciurus vulgaris</i>	Sciuridae		A
1943c	SS \$6	Red Squirrel, <i>Sciurus vulgaris</i>	Sciuridae		A
		<b>2018 May 24</b> (Whales) (MS/3 & SS/1)			
1951a	\$5.50	Humpback Whale, <i>Megaptera novaeangliae</i>	Balaenopteridae		A
1951b	\$5.50	Sperm Whale, <i>Physeter macrocephalus</i>	Physeteridae		A
1951c	\$5.50	Orca (Killer Whale), <i>Orcinus orca</i>	Delphinidae		A
1952	SS \$10	Blue Whale, <i>Balaenoptera musculus</i>	Balaenopteridae		A

<b>ST VINCENT</b>		<b>2017 April 4</b> (Animals of the World) (MS/4 & SS/1)		
4099a	\$6	Serval, <i>Leptailurus serval</i>	Felidae	A
4099b	\$6	Malayan Pangolin, <i>Manis javanica</i>	Manidae	A
4099c	\$6	Gulf Coast Native Sheep, <i>Ovis aries</i>	Bovidae	A
4099d	\$6	Collared Mangabey, <i>Cercocebus torquatus</i>	Cercopithecidae	A
4100	SS \$9	Gee's Golden Langur, <i>Trachypithecus geei</i>	Cercopithecidae	A
		<b>2018 March 7</b> (Marine Life) (MS/4)		
4143b	\$6	West Indian Manatee, <i>Trichechus manatus</i>	Trichechidae	A
<b>SERBIA</b>		<b>2018 June 19</b> (Juvenile Animals at Belgrade Zoo) (Block/4)		
825a	23d	Patagonian Mara, <i>Dolichotis patagonum</i>	Caviidae	A
825c	23d	Grey Wolf, <i>Canis lupus</i>	Canidae	A
825d	23d	Miniature Goat, <i>Capra hircus</i>	Bovidae	A
<b>URUGUAY</b>		<b>2018 January 23</b> (Diplomatic Relations w/ China) (SS/2)		
2617a	20p	Southern Tamandua, <i>Tamandua tetradactyla</i>	Myrmecophagidae	A
2617b	65p	Giant Panda, <i>Ailuropoda melanoleuca</i>	Ursidae	A
<b>ZAIRE</b>		<b>2002 August 30</b> (WWF) (SS/1)		
1642	SS 1000fr	Eastern Lowland Gorilla, <i>Gorilla gorilla</i> ssp. <i>graueri</i>	Hominidae	A

## BABY ANIMALS ISSUE

On 2 January 2019, German Post issued a single stamp in sheets of ten depicting a pair of young Raccoons (*Procyon lotor*) hanging on to a tree branch seemingly for dear life. The stamp was designed by Nicole Eisenbach and Janet Horton (photo).

This is the latest issue in the German Post's on-going "Baby Animals" Series that started in 2014, with two stamps, one with a pair of Fox kits and the other a pair of Hedgehog hoglets. These were followed in 2015 with Squirrels and Wildcats, in 2016 with Hares and Greyling Geese, in 2017 with Wild Boar and European Polecat, and in 2018 with Deer and Seals.

Currently, Germany is overrun with raccoons. The rest of Europe is scrambling to solve their own burgeoning raccoon problem.

According to an article in *Business Insider* by Meghan Bartels in June 2016, Germans began importing raccoons from America in the 1920s to populate fur farms. But they decided to release some because hunters were bored with local animals. Some also escaped during World War II and made themselves at home in the German forests.

Now, according to the German magazine *Der Spiegel*, there are as many as a million of the furry critters pillaging across Germany. Their hunger for eggs is putting a dent in populations of native birds and even turtles. They make a mess of vineyards and attics, they cause car accidents, and they carry diseases.

Germans have been fighting back by killing more than 60,000 raccoons per year. The European Union even has issued rules to contain raccoons and other invasive non-native species such as grey squirrels and ruddy ducks.

The juvenile animals pictured on the stamps look cute, but these trash pandas grow up to cause a lot of trouble, so Rocky and Bandit could be in for an unhappy ending.



Raccoon, *Procyon lotor*



# ORNITHOLOGY

Editor

Glenn G. Mertz, BU1455

Corrections/Updates



No corrections or updates for this edition

## New Issues

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
<b>ALGERIA</b>				
<b>2018 January 18</b> (International Day of Biological Diversity) (Single) <b>A</b>				
1752	25d	Common House-Martin, <i>Delichon urbicum</i>	Hirundinidae	
<b>AUSTRALIA</b>				
<b>2017 October 17</b> (Items starting w/ Same Letter) (Set/5 & Strip/5) <b>B</b>				
4698	\$1	Galah, <i>Eolophus roseicapilla</i> (perf 14¾×14)	Cacatuidae	
4699	\$1	Jabiru, <i>Jabiru mycteria</i> (perf 14¾×14)	Ciconiidae	
4703	\$1	Galah, <i>Eolophus roseicapilla</i>	Cacatuidae	
4703a		Bklt/10 (Sc#4703) (die cut 11¼) (s/a)		
4704	\$1	Jabiru, <i>Jabiru mycteria</i>	Ciconiidae	
4704a		Bklt/10 (Sc#4704) (die cut 11¼) (s/a)		
4706b		Vert coil strip/5 (Sc#4702–06) (die cut 11¼) (s/a)		
<b>BELARUS</b>				
<b>2018 March 1</b> (Fauna of State Reserves) (SS/2) <b>B</b>				
1083	(42k)	ML: Black-tailed Godwit, <i>Limosa limosa</i> Ctr: White-tailed Eagle, <i>Haliaeetus albicilla</i> MR: Eurasian Green Woodpecker, <i>Picus viridis</i>	Scolopacidae Accipitridae Picidae	
1084	(1.50r)	L: White-backed Woodpecker, <i>Dendrocopos leucotos</i> Top: Black Stork, <i>Ciconia nigra</i>	Picidae Ciconiidae	
1084a		SS/2 (Sc#1083–84)		
<b>2018 March 27</b> (Goldfinch) (Single) <b>A</b>				
1085	(1.50r)	European Goldfinch, <i>Carduelis carduelis</i>	Fringillidae	
<b>2018 May 2</b> (Artwork) (2ea SS/2) <b>C</b>				
1090	(42k)	Common Crane, <i>Grus grus</i> ("Swamps and Cranes")	Gruidae	
1092a		SS/4 (Sc#1088–92)		
1092b		SS/4 (Sc#1088–92) (litho w/ foil application in margin)		
<b>BENIN</b>				
<b>2005–06</b> (Surcharges) (Set/3) <b>A</b>				
Surcharged 175fr on 270fr. Scott indicates that these stamps were not issued <b>without</b> surcharge.				
1352	175fr	Eastern Olivaceous Warbler, <i>Iduna pallida</i> *	Acrocephalidae	
1353	175fr	Northern Wheatear, <i>Oenanthe oenanthe</i>	Muscicapidae	

\*Sc#1352 was originally listed as **new** to the aviary by Charles Braun in Vol. 50(1), April 2001. In Vol. 54(2), July 2005, Randall Shore listed twelve issues for Benin, without Scott numbers, and identified this species as Olivaceous Warbler, *Hippolais pallida*, and indicated it was new. Over the past thirteen years, this species had the English name changed from Olivaceous Warbler, to Eastern Olivaceous Warbler, the genus name was changed from *Hippolais* to *Iduna* and also moved from the family Sylviidae to the family Acrocephalidae.

When Randall Shore listed it in Vol. 54(2), he did not indicate that any of the set of twelve were surcharged. I was not able to find this set of twelve listed in the latest *Scott Catalogue* under the years 2005–2006 as indicated in the New Listings Update in the 17 December 2018 edition of *Linn's Stamp News*.

In Vol. 56(3), under Corrections/Updates, regarding the issue of the twelve stamps of 28 May 2000, the Benin Postal Authority stated that this set was not sold in Benin and was not valid for postage. This is the reason Scott Publishing has not assigned any numbers to this set of twelve. Six other issues of stamps featuring birds were also not authorized by the Benin Postal officials, and a number of birds that may have been listed by Chuck Braun as new to the Aviary will remain numberless, at least as far as Scott Publishing is concerned.

<b>BOTSWANA</b>		<b>2018 March 15</b> (flamingos) (Set/4, Bklt/4, & SS/4)	<b>A</b>
1040	5p	Greater Flamingo, <i>Phoenicopterus roseus</i> (head)	Phoenicopteridae
		Lesser Flamingo, <i>Phoeniconaias minor</i> (head)	Phoenicopteridae
1041	7p	Greater Flamingo, <i>Phoenicopterus roseus</i>	Phoenicopteridae
1042	9p	Greater Flamingo, <i>Phoenicopterus roseus</i>	Phoenicopteridae
		Lesser Flamingo, <i>Phoeniconaias minor</i>	Phoenicopteridae
1043	10p	Greater Flamingo, <i>Phoenicopterus roseus</i>	Phoenicopteridae
1043a		Block/4 (Sc#1040–43) (perf 13½)	
1043b		SS/4 (Sc#1040–43) (perf 14)	
<b>CANADA</b>		<b>2018 August 20</b> (Birds of Canada) (2ea MS/5 & Bklt/10)	<b>A</b>
3117a	(85c)	Black-capped Chickadee, <i>Poecile atricapillus</i>	Paridae
3117b	(85c)	Snowy Owl, <i>Bubo scandiacus</i>	Strigidae
3117c	(85c)	Steller's Jay, <i>Cyanocitta stelleri</i>	Corvidae
3117d	(85c)	Canada Goose, <i>Branta canadensis</i>	Anatidae
3117e	(85c)	Whooping Crane, <i>Grus americana</i>	Gruidae
3117		MS/5 (Sc#3117a–e) (perf 13×13¼)	
3117f		MS/5 (Sc#3117a–e) (w/ International Ornithological Congress emblem in margin)	
3118	(85c)	Black-capped Chickadee, <i>Poecile atricapillus</i>	Paridae
3119	(85c)	Snowy Owl, <i>Bubo scandiacus</i>	Strigidae
3120	(85c)	Steller's Jay, <i>Cyanocitta stelleri</i>	Corvidae
3121	(85c)	Canada Goose, <i>Branta canadensis</i>	Anatidae
3122	(85c)	Whooping Crane, <i>Grus americana</i>	Gruidae
3122a		Bklt/10 (2ea Sc#3118–22) (die cut 13) (s/a)	
<b>CENTRAL AFRICA</b>		<b>2018 August 21</b> (Bee-eaters) MS/4 & SS/1)	<b>A</b>
a	900fr	Swallow-tailed Bee-eater, <i>Merops hirundineus</i>	Meropidae
b	900fr	Rosy Bee-eater, <i>Merops malimbicus</i>	Meropidae
c	900fr	Blue-moustached Bee-eater, <i>Merops mentalis</i>	Meropidae
d	900fr	Somali Bee-eater, <i>Merops revoillii</i>	Meropidae
N/A	SS 3600fr	Green Bee-eater, <i>Merops orientalis</i>	Meropidae
	Margin	R: Red-throated Bee-eater, <i>Merops bullocki</i>	Meropidae
<b>CHINA (People's Republic)</b>		<b>2018 May 11</b> (Modern Art) (Set/3)	<b>S</b>
4532	\$1.50	Stylized birds [Ptg: "Two Eagles," by Li Kuchan (1898–1983)]	
<b>COLUMBIA</b>		<b>2018 January 23</b> (Endemic Birds of Columbia) (MS/13)	<b>A</b>
1475a	1000p	White-mantled Barbet, <i>Capito hypoleucus</i>	Capitonidae Vol. 67(1)
1475b	1000p	Brown-breasted Parakeet, <i>Pyrrhura calliptera</i>	Psittacidae Vol. 67(1)
1475c	1000p	San Andres Vireo, <i>Vireo caribaeus</i>	Vireonidae
1475d	1000p	Santa Marta Parakeet, <i>Pyrrhura viridicata</i>	Psittacidae Vol. 67(1)
1475e	1000p	Gold-ringed Tanager, <i>Bangsia aureocincta</i>	Thraupidae
1425f	1000p	Purplish-mantled Tanager, <i>Iridosornis porphyrocephalus</i>	Thraupidae Vol. 67(1)
1475g	1000p	Perijá Metaltail, <i>Metallura iracunda</i>	Trochilidae Vol. 67(1)
1475h	1000p	Parker's Antbird, <i>Cercomacroides parkeri</i>	Thamnophilidae Vol. 67(1)
1475i	1000p	Black-backed Thornbill, <i>Ramphomicron dorsale</i>	Trochilidae Vol. 67(1)
1475j	1000p	Sooty-capped Puffbird, <i>Bucco noanamae</i>	Bucconidae Vol. 67(1)
1475k	1000p	Yellow-headed Brushfinch, <i>Atlapetes flaviceps</i>	Emberizidae Vol. 67(1)

**COLUMBIA** (continued)

14751	1000p	Dusky Starfrontlet, <i>Coeligena orina</i>	Trochilidae	Vol. 67(1)
1475m	1000p	Stylized Hummingbird	Trochilidae	
	Margin	UL: Rufous-fronted Parakeet, <i>Bolborhynchus ferrugineifrons</i> UR: Miniature images of species shown on Sc#1475a, c, d, f, g, j, k, l	Psittacidae	

**CUBA****2017 January 16** (Birds of Prey) (Set/6 & SS/1)**A**

5923	10c	American Kestrel, <i>Falco sparverius</i>	Falconidae
5924	35c	Merlin, <i>Falco columbarius</i>	Falconidae
5925	65c	Common Black Hawk, <i>Buteogallus anthracinus</i>	Accipitridae
5926	75c	Snail Kite, <i>Rostrhamus sociabilis</i>	Accipitridae
5927	85c	Broad-winged Hawk, <i>Buteo platypterus</i>	Accipitridae
5928	90c	Cuban Pygmy Owl, <i>Glaucidium siju</i>	Strigidae
5929	SS 1p	Burrowing Owl, <i>Athene cunicularia</i>	Strigidae
	Margin	LR: Same species MR: Merlin, <i>Falco columbarius</i> UR: Red-tailed Hawk, <i>Buteo jamaicensis</i> Ctr: Barn Owl, <i>Tyto alba</i>	Strigidae Falconidae Accipitridae Tytonidae

**2017 July 5** (World Environment Day) (Set/6 & SS/1)**B**

5956	20c	White Ibis, <i>Eudocimus albus</i>	Threskiornithidae
5957	35c	American Flamingo, <i>Phoenicopterus ruber</i>	Phoenicopteridae
5958	85c	Cuban Tody, <i>Todus multicolor</i>	Todidae

**2017 October 24** (Beaches) (Set/6 & SS/1)**B**

5985	5c	Brown Pelican, <i>Pelecanus occidentalis</i>	Pelecanidae
5988	45c	Laughing Gull, <i>Leucophaeus atricilla</i>	Laridae

**2017 November 1** (Brasiliana 2017 Expo) (Set/6 & SS/1)**A**

5993	5c	Red-cowled Cardinal, <i>Paroaria dominicana</i> (Cap: <i>Cardenilla dominica</i> )	Thraupidae	
5994	15c	Golden Parakeet, <i>Guarouba guarouba</i>	Psittacidae	
5995	45c	Gilt-edged Tanager, <i>Tangara cyanoventris</i>	Thraupidae	Vol. 67(1)
5996	75c	Saw-billed Hermit, <i>Ramphodon naevius</i>	Trochilidae	Vol. 67(1)
5997	85c	Banded Cotinga, <i>Cotinga maculate</i>	Cotingidae	
5998	90c	Araripe Manakin, <i>Antilophia bokermanni</i>	Pipridae	
5999	SS 1p	Lear's Macaw, <i>Anodorhynchus leari</i> (also UR margin)	Psittacidae	

**DJIBOUTI****2018 August 27** (Water Birds) (MS/4 & SS/1)**A**

1543a	240fr	Mallard, <i>Anas platyrhynchos</i>	Anatidae
1543b	240fr	Southern Screamer, <i>Chauna torquata</i>	Anhimidae
1543c	240fr	Bufflehead, <i>Bucephala albeola</i>	Anatidae
1543d	240fr	Mute Swan, <i>Cygnus olor</i>	Anatidae
1560	SS 950fr	Snow Goose, <i>Chen caerulescens</i> (also R margin)	Anatidae

**2018 August 27** (Owls) (MS/4 & SS/1)**A**

1544a	240fr	Barn Owl, <i>Tyto alba</i>	Tytonidae
1544b	240fr	Eurasian Eagle-Owl, <i>Bubo bubo</i>	Strigidae
1544c	240fr	Great Gray Owl, <i>Strix nebulosa</i>	Strigidae
1544d	240fr	Tawny Owl, <i>Strix aluco</i>	Strigidae
1561	SS 950fr	Snowy Owl, <i>Bubo scandiacus</i>	Strigidae
	Margin	R: Great Horned Owl, <i>Bubo virginianus</i>	Strigidae

**2018 August 27** (Pigeons) (MS/4 & SS/1)**A**

1545a	240fr	Common Bronzewing, <i>Phaps chalcoptera</i>	Columbidae
1545b	240fr	Inca Dove, <i>Columbina inca</i>	Columbidae

**DJIBOUTI** (continued)

1545c	240fr	Socorro Dove, <i>Zenaida graysoni</i>	Columbidae	(new)
1545d	240fr	Speckled Pigeon, <i>Columba guinea</i>	Columbidae	
1562	SS 950fr	Spotted Dove, <i>Streptopelia chinensis</i>	Columbidae	
	Margin	R: Speckled Pigeon, <i>Columba guinea</i>	Columbidae	

**2018 August 27** (Kingfishers) (MS/4 & SS/1)**A**

1546a	240fr	Buff-breasted Paradise-Kingfisher, <i>Tanysiptera sylvia</i>	Alcedinidae	
1546b	240fr	Giant Kingfisher, <i>Megaceryle maximus</i>	Alcedinidae	
1546c	240fr	Pied Kingfisher, <i>Ceryle rudis</i>	Alcedinidae	
1546d	240fr	Yellow-billed Kingfisher, <i>Syma torotoro</i>	Alcedinidae	
1563	SS 950fr	Black-backed Dwarf-Kingfisher, <i>Ceyx erithaca</i>	Alcedinidae	
	Margin	R: Azure Kingfisher, <i>Ceyx azureus</i>	Alcedinidae	

**ESTONIA****2018 September 1** (Children's Stamp Designs) (SS/3) (s/a)**S**

875b	€1.40	Common House-Martin, <i>Delichon urbicum</i>	Hirundinidae	
875		SS/3 (Sc#875a-c) ("My Gift to Estonia")		

**KYRGYZ EXPRESS POST****2018 May 22** (Birdlife International) (Set/4 & SS/4)**A**

80	50s	Ibisbill, <i>Ibidorhyncha struthersii</i>	Ibidorhynchidae	
81	75s	Persian Nuthatch, <i>Sitta tephronota</i>	Sittidae	Vol. 67(3)
82	100s	Demoiselle Crane, <i>Grus virgo</i>	Gruidae	
83	150s	Eurasian Eagle-Owl, <i>Bubo bubo</i>	Strigidae	
83a		SS/4 (Sc#80-83)		

**LATVIA****2018 August 10** (Plant) (Single)**C**

1000	85c	Common Kingfisher, <i>Alcedo atthis</i> (tiny logo in LR)	Alcedinidae	
------	-----	-----------------------------------------------------------	-------------	--

**LIBERIA****2016 February 20** (Birds of West Africa) (MS/4, MS/6, & SS/1)**A**

3112a	\$100	African Broadbill, <i>Smithornis capensis</i>	Calyptomenidae	Vol. 65(2)
3112b	\$100	Buff-rumped Woodpecker, <i>Meiglyptes tristis</i> (Cap: Buff-spotted Woodpecker, <i>Campethera nivosa</i> )	Picidae	Vol. 65(2)
3112c	\$100	Rufous-naped Lark, <i>Mirafra africana</i>	Alaudidae	
3112d	\$100	Eurasian Wryneck, <i>Jynx torquilla</i>	Picidae	
3112	Margin	Bot: Stylized Flamingos		
3113a	\$100	African Pied Hornbill, <i>Lophoceros fasciatus</i>	Bucerotidae	
3113b	\$100	Black-and-white-casqued Hornbill, <i>Bycanistes subcylindricus</i>	Bucerotidae	
3113c	\$100	Black-casqued Hornbill, <i>Ceratogymna atrata</i>	Bucerotidae	
3113d	\$100	African Gray Hornbill, <i>Lophoceros nasutus</i>	Bucerotidae	
3113e	\$100	White-crested Hornbill, <i>Horizocerus albocristatus</i>	Bucerotidae	
3113f	\$100	Yellow-casqued Hornbill, <i>Ceratogymna elata</i>	Bucerotidae	
3113	Margin	UL: African Pied Hornbill, <i>Lophoceros fasciatus</i>	Bucerotidae	
3134	SS \$350	Greater Flamingo, <i>Phoenicopterus roseus</i> (also in Bkgrd)	Phoenicopteridae	

**2016 February 20** (Birds of West Africa) (MS/4, MS/6, & SS/1)**A**

3115a	\$100	Fischer's Turaco, <i>Tauraco fischeri</i>	Musophagidae	
3115b	\$100	Purple-crested Turaco, <i>Tauraco porphyreolophus</i>	Musophagidae	
3115c	\$100	Great Blue Turaco, <i>Corythaëola cristata</i>	Musophagidae	
3115d	\$100	Guinea Turaco, <i>Tauraco persa</i>	Musophagidae	
3116a	\$100	Guinea Turaco, <i>Tauraco persa</i> (Cap: Green Turaco)	Musophagidae	
3116b	\$100	Gray Go-away-Bird, <i>Corythaixoides concolor</i>	Musophagidae	
3116c	\$100	Violet Turaco, <i>Musophaga violacea</i>	Musophagidae	
3116d	\$100	White-cheeked Turaco, <i>Tauraco leucotis</i> (Cap: <i>T. violacea</i> )	Musophagidae	
3116e	\$100	Livingstone's Turaco, <i>Tauraco livingstonii</i>	Musophagidae	
3116f	\$100	White-crested Turaco, <i>Tauraco leucolophus</i>	Musophagidae	Vol. 65(3)



**LIBERIA** (continued)

3116	Margin	UR: Hartlaub's Turaco, <i>Tauraco hartlaubi</i>	Musophagidae
3117	SS \$350	Red-crested Turaco, <i>Tauraco erythrolophus</i>	Musophagidae

**LIECHTENSTEIN****2018 September 3** (Bird's Eyes) (Set/3)**A**

1760	100rp	Gray Heron, <i>Ardea cinerea</i>	Ardeidae
1761	130rp	Great Crested Grebe, <i>Podiceps cristatus</i>	Podicipedidae
1762	150rp	Great Cormorant, <i>Phalacrocorax carbo</i>	Phalacrocoracidae

**LITHUANIA****2018 August 17** (Northern Lapwing) (Block/4)**A**

1132a	49c	Northern Lapwing, <i>Vanellus vanellus</i> (two flying to R)	Charadriidae
1132b	49c	Same species (two flying to L)	
1132c	49c	Same species (two, one w/ worm in beak)	
1132d	49c	Same species (adult & chick)	

**LUXEMBOURG****2018 May 15** (Birds) (Set/3)**A**

1490	25c	Eurasian Reed Warbler, <i>Acrocephalus scirpaceus</i>	Acrocephalidae
1491	70c	Barn Swallow, <i>Hirundo rustica</i>	Hirundinidae
1492	95c	Bluethroat, <i>Luscinia svecica</i>	Muscicapidae

**MACEDONIA****2018 May 2** (Europa: Bridges) (Set/2 & MS/4)**B**

784	80d	White Stork, <i>Ciconia ciconia</i>	Ciconiidae
785c	50d	Same species	

**MALAWI****2018** (Surcharges) (Set/5)**A**

851	600k	Oriole Finch, <i>Linurgus olivaceus</i> (Sc#522 surch in red)	Fringillidae
852	600k	Green-backed Twinspot, <i>Mandingoa nitidula</i> (Sc#525 surch)	Estrildidae
853	900k	Black-fronted Bushshrike, <i>Telophorus nigrifrons</i> (Sc#527 surch)	Malaconotidae

**2018 June 4** (Malawi Indigenous Birds) (MS/6 & 6ea SS/1)**A**

856a	700k	Pied Crow, <i>Corvus alba</i>	Corvidae
856b	700k	Mountain Wagtail, <i>Motacilla clara</i>	Motacillidae
856c	700k	African Fish-Eagle, <i>Haliaeetus vocifer</i>	Accipitridae
856d	700k	African Yellow White-eye, <i>Zosterops senegalensis</i>	Zosteropidae
856e	700k	Hamerkop, <i>Scopus umbretta</i>	Scopidae
856f	700k	Pied Kingfisher, <i>Ceryle rudis</i>	Alcedinidae
856	Margin	UR: U/I sp.	
857	SS 450k	Ruby-throated Hummingbird, <i>Archilochus colubris</i>	Trochilidae
858	SS 450k	African Fish-Eagle, <i>Haliaeetus vocifer</i>	Accipitridae
859	SS 450k	Hamerkop, <i>Scopus umbretta</i>	Scopidae
860	SS 450k	Common Kingfisher, <i>Alcedo atthis</i>	Alcedinidae
861	SS 450k	Eurasian Marsh-Harrier, <i>Circus aeruginosus</i>	Accipitridae
862	SS 450k	Cattle Egret, <i>Bubulcus ibis</i>	Ardeidae

**MALAYSIA****2018 February 27** (Rajang River) (SS/1)**C**

1739	\$8	Rhinoceros Hornbill, <i>Buceros rhinoceros</i>	Bucerotidae
------	-----	------------------------------------------------	-------------

**MALDIVES ISLANDS****2018 October 4** (Peacocks) (MS/4 & SS/1)**A**

a	22m	Green Peafowl, <i>Pavo muticus</i>	Phasianidae
b	22m	Indian Peafowl, <i>Pavo cristatus</i> (two white)	Phasianidae
c	22m	Same species (facing R)	Phasianidae
d	22m	Same species (facing L)	Phasianidae
N/A	SS 70m	Green Peafowl, <i>Pavo muticus</i>	Phasianidae
	Margin	R: Indian Peafowl, <i>Pavo cristatus</i>	Phasianidae

Vol. 67(3)

<b>MALDIVE ISLANDS (continued)</b>			<b>2018 October 4 (Hornbills) (MS/4 &amp; SS/1)</b>	<b>A</b>
a	22m	Great Hornbill, <i>Buceros bicornis</i>	Bucerotidae	
b	22m	Knobbed Hornbill, <i>Rhyticeros cassidix</i>	Bucerotidae	
c	22m	Malabar Gray Hornbill, <i>Ocyceros griseus</i>	Bucerotidae	(new)
(This species previously appeared in the margin of a 2014 St. Thomas & Prince SS.)				
d	22m	Northern Red-billed Hornbill, <i>Tockus erythrorhynchus</i>	Bucerotidae	
N/A	SS 70m	Malabar Pied Hornbill, <i>Anthracoceros coronatus</i>	Bucerotidae	
	Margin	LR: Northern Red-billed Hornbill, <i>Tockus erythrorhynchus</i>	Bucerotidae	
		UR: Malabar Gray Hornbill, <i>Ocyceros griseus</i>	Bucerotidae	
			<b>2018 October 4 (Sunbirds) (MS/4 &amp; SS/1)</b>	<b>A</b>
a	20m	Lovely Sunbird, <i>Aethopyga shelleyi</i>	Nectariniidae	
b	20m	Purple Sunbird, <i>Cinnyris asiaticus</i>	Nectariniidae	
c	20m	Yellow-eared Spiderhunter, <i>Arachnothera chrysogenys</i>	Nectariniidae	Vol. 67(4)
d	20m	Gould's Sunbird, <i>Aethopyga gouldiae</i>	Nectariniidae	
N/A	SS 60m	Purple-rumped Sunbird, <i>Leptocoma zeylonica</i>	Nectariniidae	
	Margin	R: Gould's Sunbird, <i>Aethopyga gouldiae</i>	Nectariniidae	
			<b>2018 October 8 (Hummingbirds) (MS/4 &amp; SS/1)</b>	<b>A</b>
a	20m	Purple-throated Carib, <i>Eulampis jugularis</i>	Trochilidae	
b	20m	Anna's Hummingbird, <i>Calypte anna</i>	Trochilidae	
c	20m	Costa's Hummingbird, <i>Calypte costae</i>	Trochilidae	
d	20m	Ruby-throated Hummingbird, <i>Archilochus colubris</i>	Trochilidae	
N/A	SS 60m	Violet Sabrewing, <i>Campylopterus hemileucurus</i>	Trochilidae	
	Margin	L: Costa's Hummingbird, <i>Calypte costae</i>	Trochilidae	
			<b>2018 October 8 (Kingfishers) (MS/4 &amp; SS/1)</b>	<b>A</b>
a	20m	Spotted Kingfisher, <i>Actenoides lindsayi</i>	Alcedinidae	
b	20m	Common Kingfisher, <i>Alcedo atthis</i>	Alcedinidae	
c	20m	Brown-headed Paradise-Kingfisher, <i>Tanysiptera danae</i>	Alcedinidae	
d	20m	Yellow-billed Kingfisher, <i>Syma torotoro</i>	Alcedinidae	
N/A	SS 60m	Black-headed Dwarf-Kingfisher, <i>Ceyx erithaca</i>	Alcedinidae	
	Margin	L: Common Kingfisher, <i>Alcedo atthis</i>	Alcedinidae	
			<b>2018 October 8 (Parrots) (MS/4 &amp; SS/1)</b>	<b>A</b>
a	22m	Greater Vasa-Parrot, <i>Mascarinus vasa</i> (Cap: <i>Coracopsis vasa</i> )	Psittaculidae	
b	22m	Blue-and-yellow Macaw, <i>Ara ararauna</i>	Psittacidae	
c	22m	Alexandrine Parakeet, <i>Psittacula eupatria</i>	Psittaculidae	
d	22m	Red-and-green Macaw, <i>Ara chloropterus</i>	Psittacidae	
N/A	SS 70m	Scarlet Macaw, <i>Ara macao</i>	Psittacidae	
	Margin	UL: Alexandrine Parakeet, <i>Psittacula eupatria</i>	Psittaculidae	
		LL: Red-and-green Macaw, <i>Ara chloropterus</i>	Psittacidae	
			<b>2018 October 8 (Plovers) (MS/4 &amp; SS/1)</b>	<b>A</b>
a	20m	Northern Lapwing, <i>Vanellus vanellus</i>	Charadriidae	
b	20m	Little Stint, <i>Calidris minuta</i>	Scolopacidae	
c	20m	Wood Sandpiper, <i>Tringa glareola</i>	Scolopacidae	
d	20m	Spotted Redshank, <i>Tringa erythropus</i>	Scolopacidae	
N/A	SS 60m	Green Sandpiper, <i>Tringa ochropus</i>	Scolopacidae	
	Margin	LL: Wood Sandpiper, <i>Tringa glareola</i>	Scolopacidae	
		UL: Spotted Redshank, <i>Tringa erythropus</i>	Scolopacidae	

<b>MARSHALL ISLANDS</b>		<b>2018 May 17</b> (Seabirds of the Pacific) (MS/6)	<b>A</b>
1197a	50c	Great Frigatebird, <i>Fregata minor</i>	Fregatidae
1197b	50c	Ruddy Turnstone, <i>Arenaria interpres</i>	Scolopacidae
1197c	\$1	Black-footed Albatross, <i>Phoebastria nigripes</i>	Diomedidae
1197d	\$1	Laysan Albatross, <i>Phoebastria immutabilis</i>	Diomedidae
1197e	\$2	White Tern, <i>Gygis alba</i>	Laridae
1197f	\$2	Brown Noddy, <i>Anous stolidus</i>	Laridae
<b>MOLDOVA</b>		<b>2018 March 29</b> ( <i>Padurea Domneasca</i> Reserve Fauna) (Set/4 & SS/1)	<b>A</b>
975	1,201	Black-crowned Night-Heron, <i>Nycticorax nycticorax</i>	Ardeidae
976	1,751	Gray Heron, <i>Ardea cinerea</i>	Ardeidae
979	SS 9,501	Black Woodpecker, <i>Dryocopus martius</i>	Picidae
		<b>2018 April 13</b> (Months of the Year) (MS/3+1 label)	<b>B</b>
980a	5,751	Barn Swallow, <i>Hirundo rustica</i>	Hirundinidae
980b	5,751	White Stork, <i>Ciconia ciconia</i>	Ciconiidae
982c	5,751	European Starling, <i>Sturnus vulgaris</i>	Sturnidae
<b>MOZAMBIQUE</b>		<b>2018 August 15</b> (Water Birds) (MS/4 & SS/1)	<b>A</b>
a	116mt	Lesser Black-backed Gull, <i>Larus fuscus</i>	Laridae
b	116mt	Black-winged Stilt, <i>Himantopus himantopus</i>	Recurvirostridae
c	116mt	White-faced Whistling-Duck, <i>Dendrocygna viduata</i>	Anatidae
d	116mt	Gray Crowned-Crane, <i>Balearica regulorum</i>	Gruidae
N/A	SS 300mt	Sooty Tern, <i>Onychoprion fuscatus</i>	Laridae
	Margin	Ctr: Great White Pelican, <i>Pelecanus onocrotalus</i>	Pelecanidae
		Top: Greater Flamingo, <i>Phoenicopterus roseus</i>	Phoenicopteridae
		R: Black Heron, <i>Egretta ardesiaca</i>	Ardeidae
		<b>2018 August 15</b> (Owls) (MS/4 & SS/1)	<b>A</b>
a	116mt	Northern Saw-Whet Owl, <i>Aegolius acadicus</i>	Strigidae
b	116mt	Snowy Owl, <i>Bubo scandiacus</i>	Strigidae
c	116mt	Spotted Wood-Owl, <i>Strix seloputo</i>	Strigidae
d	116mt	Great Horned Owl, <i>Bubo virginianus</i>	Strigidae
N/A	SS 300mt	Great Gray Owl, <i>Strix nebulosa</i>	Strigidae
	Margin	R: Long-eared Owl, <i>Asio otus</i>	Strigidae
		Ctr: Tawny Owl, <i>Strix aluco</i>	Strigidae
		<b>2018 November 19</b> (Endangered Species) (SS/1)	<b>A</b>
N/A	SS 300mt	Kea, <i>Nestor notabilis</i>	Strigopidae
		<b>2018 November 19</b> (Birds of Prey) (MS/4 & SS/1)	<b>A</b>
a	116mt	Barn Owl, <i>Tyto alba</i>	Tytonidae
b	116mt	Himalayan Griffon, <i>Gyps himalayensis</i>	Accipitridae
c	116mt	Northern Goshawk, <i>Accipiter gentilis</i>	Accipitridae
d	116mt	Harris's Hawk, <i>Parabuteo unicinctus</i>	Accipitridae
N/A	SS 300mt	Harris's Hawk, <i>Parabuteo unicinctus</i>	Accipitridae
	Margin	R: Northern Goshawk, <i>Accipiter gentilis</i>	Accipitridae
<b>NEVIS</b>		<b>2018 April 23</b> (Swans) (MS/4 & SS/2)	<b>A</b>
1939a	\$4	Black-headed Swan, <i>Cygnus melancoryphus</i>	Anatidae
1939b	\$5.50	Trumpeter Swan, <i>Cygnus buccinator</i>	Anatidae
1939c	\$6	Mute Swan, <i>Cygnus olor</i>	Anatidae
1939d	\$6.50	Black Swan, <i>Cygnus atratus</i>	Anatidae
1940a	SS \$7	Tundra Swan, <i>Cygnus columbianus</i>	Anatidae
1940b	SS \$9	Coscoroba Swan, <i>Coscoroba coscoroba</i>	Anatidae

<b>NEVIS (continued)</b>		<b>2018 June 5 (Hummingbirds) (MS/4 &amp; SS/1)</b>		<b>A</b>
1955a	\$4	Antillean Crested Hummingbird, <i>Orthorhynchus cristatus</i>	Trochilidae	
1955b	\$4	Green-throated Carib, <i>Eulampis holosericeus</i>	Trochilidae	
1955c	\$4	Blue-headed Hummingbird, <i>Cyanophaia bicolor</i>	Trochilidae	
1955d	\$4	Purple-throated Carib, <i>Eulampis jugularis</i> (also UR margin)	Trochilidae	
1956	SS \$10	White-bellied Emerald, <i>Amazilia candida</i>	Trochilidae	
<b>NIGER</b>		<b>2018 April 24 (Stamps-on-Stamps) (MS/4)</b>		<b>A</b>
d	800fr	Greater Adjutant, <i>Leptoptilos dubius</i> Same species (Viet Nam D.R. Sc#674 s-o-s)	Ciconiidae	
		<b>2018 June 26 (205th anniv. Alexander Wilson) (MS/4 &amp; SS/1)</b>		<b>A B</b>
a	800fr	Ctr: Belted Kingfisher, <i>Megaceryle alcyon</i> (w/ Wilson portrait) UL: Magnolia Warbler, <i>Setophaga magnolia</i> UR: Blackburnian Warbler, <i>Setophaga fusca</i> MR: Blackpoll Warbler, <i>Setophaga striata</i> LR: Louisiana Waterthrush, <i>Parkesia motacilla</i>	Alcedinidae Parulidae Parulidae Parulidae Parulidae	
b	800fr	American Goldfinch, <i>Spinus tristis</i>	Fringillidae	
c	800fr	Northern Cardinal, <i>Cardinalis cardinalis</i>	Cardinalidae	
d	800fr	Bald Eagle, <i>Haliaeetus leucocephalus</i>	Accipitridae	
N/A	SS 3300fr	Birds on stamp not identified		
	Margin	Ivory-billed Woodpecker, <i>Campephilus principalis</i>	Picidae	
		<b>2018 June 26 (Pigeons) (MS/4 &amp; SS/1)</b>		<b>A</b>
a	800fr	Superb Fruit-Dove, <i>Ptilinopus superbus</i>	Columbidae	
b	800fr	Spinifex Pigeon, <i>Geophaps plumifera</i>	Columbidae	
c	800fr	Nicobar Pigeon, <i>Caloenas nicobarica</i>	Columbidae	
d	800fr	African Green-Pigeon, <i>Treron calvus</i>	Columbidae	
N/A	SS 3300fr	Common Bronzewing, <i>Phaps chalcoptera</i>	Columbidae	
	Margin	LL: African Green Pigeon, <i>Treron calvus</i> R: Nicobar Pigeon, <i>Caloenas nicobarica</i>	Columbidae Columbidae	
		<b>2018 June 26 (Extinct Species) (MS/4)</b>		<b>A</b>
a	800fr	Great Auk, <i>Pinguinus impennis</i>	Alcidae	
c	800fr	Huia, <i>Heteralocha acutirostris</i>	Callaeidae	
		<b>2018 June 26 (Owls) (MS/4 &amp; SS/1)</b>		<b>A</b>
a	800fr	Eurasian Eagle-Owl, <i>Bubo bubo</i> ssp. <i>sibiricus</i>	Strigidae	
b	800fr	Tawny Owl, <i>Strix aluco</i>	Strigidae	
c	800fr	Barn Owl, <i>Tyto alba</i>	Tytonidae	
d	800fr	Eurasian Eagle-Owl, <i>Bubo bubo</i>	Strigidae	
N/A	SS 3300fr	Verreaux's Eagle-Owl, <i>Bubo lacteus</i>	Strigidae	
	Margin	LR: Short-eared Owl, <i>Asio flammeus</i>	Strigidae	
		<b>2018 August 24 (Global Warming) (SS/1)</b>		<b>A</b>
N/A	SS 3300fr	King Penguin, <i>Aptenodytes patagonicus</i>	Spheniscidae	
		<b>2018 August 24 (Eagles) (MS/4 &amp; SS/1)</b>		<b>A</b>
a	800fr	Harpy Eagle, <i>Harpia harpyja</i>	Accipitridae	
b	800fr	Steller's Sea-Eagle, <i>Haliaeetus pelagicus</i>	Accipitridae	
c	800fr	Golden Eagle, <i>Aquila chrysaetos</i>	Accipitridae	
d	800fr	Philippine Eagle, <i>Pithecophaga jefferyi</i>	Accipitridae	
N/A	SS 3300fr	Bald Eagle, <i>Haliaeetus leucocephalus</i> (also R margin)	Accipitridae	

<b>NIGER</b> (continued)		<b>2018 August 24</b> (Birds of Prey) (MS/4 & SS/1)	<b>A</b>
a	800fr	Bateleur, <i>Terathopius ecaudatus</i>	Accipitridae
b	800fr	Lammergeier, <i>Gypaetus barbatus</i>	Accipitridae
c	800fr	Peregrine Falcon, <i>Falco peregrinus</i>	Falconidae
d	800fr	Philippine Eagle, <i>Pithecophaga jefferyi</i>	Accipitridae
N/A	SS 3300fr	Harpy Eagle, <i>Harpia harpyja</i>	Accipitridae
	Margin	R: King Vulture, <i>Sarcoramphus papa</i>	Cathartidae
<b>ROMANIA</b>		<b>2018 January 12</b> (Cranes) (Set/4 in MS/5+1 label & SS/1)	<b>A</b>
6049	3.50l	Brolga, <i>Antigone rubicunda</i>	Gruidae
6049a		MS/5+1 label (Sc#6049)	
6050	4l	Red-crowned Crane, <i>Grus japonensis</i>	Gruidae
6050a		MS/5+1 label (Sc#6050)	
6051	4.50l	Demoiselle Crane, <i>Grus virgo</i>	Gruidae
6051a		MS/5+1 label (Sc#6051)	
6052	15l	Siberian Crane, <i>Leucogeranus leucogeranus</i>	Gruidae
6052a		MS/5+1 label (Sc#6052)	
6053	SS 16l	Black Crowned Crane, <i>Balearica pavonina</i>	Gruidae
Note		SS/4 (Sc#6049–52) (issued in limited quantities)	
<b>ST. MARTIN</b>		<b>2016 February 3</b> (Parrots) (12ea SS/1)	<b>A</b>
A set of twelve SS in the same format as the set of twelve SS issued on 6 January 2016 (Sc#90–101).			
128	SS 500c	Red-fan Parrot, <i>Derophtus accipitrinus</i>	Psittacidae
129	SS 500c	Eclectus Parrot, <i>Eclectus roratus</i>	Psittaculidae
130	SS 500c	White-bellied Parrot, <i>Pionites leucogaster</i>	Psittacidae
131	SS 500c	Black-headed Parrot, <i>Pionites melanocephalus</i>	Psittacidae
132	SS 500c	White-crowned Parrot, <i>Pionus senilis</i>	Psittacidae
133	SS 500c	Red-fronted Parrot, <i>Poicephalus gulielmi</i>	Psittacidae
134	SS 500c	Senegal Parrot, <i>Poicephalus senegalus</i>	Psittacidae
135	SS 500c	Buru Racket-tail, <i>Prioniturus mada</i>	Psittaculidae
136	SS 500c	Edwards's Fig-Parrot, <i>Psittaculirostris edwardsii</i>	Psittaculidae
137	SS 500c	Gray Parrot, <i>Psittacus erithacus</i>	Psittacidae
138	SS 500c	Great-billed Parrot, <i>Tanygnathus megalorhynchus</i>	Psittaculidae
139	SS 500c	Azure-rumped Parrot, <i>Tanygnathus sumatranus</i>	Psittaculidae
		<b>2016 February 24</b> (Parrots) (8ea SS/1)	<b>A</b>
160	SS 500c	Orange-winged Parrot, <i>Amazona amazonica</i>	Psittacidae
161	SS 500c	Red-lored Parrot, <i>Amazona autumnalis</i>	Psittacidae
162	SS 500c	St. Vincent Parrot, <i>Amazona guildingii</i>	Psittacidae
163	SS 500c	Yellow-crowned Parrot, <i>Amazona ochrocephala</i>	Psittacidae
164	SS 500c	Yellow-collared Macaw, <i>Primolius auricollis</i>	Psittacidae
165	SS 500c	Salmon-crested Cockatoo, <i>Cacatua moluccensis</i>	Cacatuidae
166	SS 500c	Ret-tailed Black-Cockatoo, <i>Calyptorhynchus banksii</i>	Cacatuidae
167	SS 500c	Greater Vasa-Parrot, <i>Mascarinus vasa</i>	Psittaculidae
		<b>2017 August 31</b> (Birds) (MS/20)	<b>A</b>
184a	190c	Purple-throated Carib, <i>Eulampis jugularis</i> (brown title)	Trochilidae
184b	190c	American Kestrel, <i>Falco sparverius</i> (blue title)	Falconidae
184c	190c	Brown Pelican, <i>Pelecanus occidentalis</i> (yellow title)	Pelecanidae
184d	190c	Bananaquit, <i>Coereba flaveola</i> (purple title)	Thraupidae
184e	190c	Peregrine Falcon, <i>Falco peregrinus</i> (yel-green title)	Falconidae
184f	190c	Antillean Crested Hum'bird, <i>Orthorhynchus cristatus</i> (green title)	Trochilidae
184g	190c	Black-faced Grassquit, <i>Tiaris bicolor</i> (sand title)	Thraupidae
184h	190c	Green-throated Carib, <i>Eulampis holosericeus</i> (red title)	Trochilidae

Vol. 66(2)

**ST. MARTIN** (continued)

184i	190c	Merlin, <i>Falco columbarius</i> (lt brown title)	Falconidae
184j	190c	Lesser Antillean Bullfinch, <i>Loxigilla noctis</i> (blue title)	Emberizidae
184k	190c	Bananaquit, <i>Coereba flaveola</i> (blue title)	Thraupidae
184l	190c	Peregrine Falcon, <i>Falco peregrinus</i> (brown title)	Falconidae
184m	190c	Purple-throated Carib, <i>Eulampis jugularis</i> (yellow title)	Trochilidae
184n	190c	American Kestrel, <i>Falco sparverius</i> (yel-green title)	Falconidae
184o	190c	Brown Pelican, <i>Pelecanus occidentalis</i> (purple title)	Pelecanidae
184p	190c	Merlin, <i>Falco columbarius</i> (sand title)	Falconidae
184q	190c	Lesser Antillean Bullfinch, <i>Loxigilla noctis</i> (green title)	Emberizidae
184r	190c	Antillean Crested Hum'bird, <i>Orthorhyncus cristatus</i> (red title)	Trochilidae
184s	190c	Black-faced Grassquit, <i>Tiaris bicolor</i> (blue title)	Thraupidae
184t	190c	Green-throated Carib, <i>Eulampis holosericeus</i> (lt brown title)	Trochilidae

**ST. THOMAS & PRINCE IS.**      **2018 May 19** (205th anniv. Alexander Wilson) (MS/4 & SS/1)      **A**

a	31d	L: Prothonotary Warbler, <i>Protonotaria citrea</i> R: Western Kingbird, <i>Tyrannus verticalis</i> (Cap: <i>Muscicapa verticalis</i> )	Parulidae Tyrannidae
b	31d	L: Painted Bunting, <i>Passerina ciris</i> R: Peregrine Falcon, <i>Falco peregrinus</i>	Cardinalidae Falconidae
c	31d	L: Swallow-tailed Kite, <i>Elanoides forficatus</i> R: Pine Grosbeak, <i>Pinicola enucleator</i> ♀ (Cap: <i>Pyrrhula e.</i> )	Accipitridae Fringillidae
d	31d	L: Canada Jay, <i>Perisoreus canadensis</i> R: Pine Grosbeak, <i>Pinicola enucleator</i> ♂	Corvidae Fringillidae
N/A	SS 124d	L: Ivory-billed Woodpecker, <i>Campephilus principalis</i> R: Pileated Woodpecker, <i>Dryocopus pileatus</i>	Picidae Picidae
	Margin	LL: Blue Grosbeak, <i>Passerina caerulea</i> Bot-L: Lark Sparrow, <i>Chondestes grammacus</i> (Cap: <i>Fringilla grammaca</i> —name assigned by Wilson) Ctr-L: Common Grackle, <i>Quiscalus quiscula</i> ssp. <i>versicolor</i> UR: Florida Scrub-Jay, <i>Aphelocoma coerulescens</i> LR: Broad-winged Hawk, <i>Buteo platypterus</i>	Cardinalidae Passerellidae Icteridae Corvidae Accipitridae

**2018 May 19** (Owls) (MS/4 & SS/1)

a	31d	Barn Owl, <i>Tyto alba</i>	Tytonidae
b	31d	Jamaican Owl, <i>Pseudoscops grammicus</i>	Strigidae
c	31d	Eurasian Eagle-Owl, <i>Bubo bubo</i>	Strigidae
d	31d	Great Horned Owl, <i>Bubo virginianus</i>	Strigidae
N/A	SS 124d	Barn Owl, <i>Tyto alba</i> (also LL & R margin)	Tytonidae

**2018 July 23** (Water Birds) (MS/4 & SS/1)

a	31d	Great Cormorant, <i>Phalacrocorax carbo</i>	Phalacrocoracidae
b	31d	Common Loon, <i>Gavia immer</i>	Gaviidae
c	31d	Anhinga, <i>Anhinga anhinga</i>	Anhingidae
d	31d	Great Blue Heron, <i>Ardea herodias</i>	Ardeidae
N/A	SS 124d	Whooper Swan, <i>Cygnus cygnus</i>	Anatidae
	Margin	R: Great Blue Heron, <i>Ardea herodias</i>	Ardeidae

**ST. VINCENT GRENADINES**      **2014 September 15** (WWF: Sandpiper) (2ea Block or Strip/4)      **A**

Issued in panes of 16 w/ four Block/4 or four Vert Strip/4

3952a	\$1.25	Semipalmated Sandpiper, <i>Calidris pusilla</i> (on shore)	Scolopacidae
3952b	\$1.25	Same species (in flight)	Scolopacidae
3952c	\$1.25	Same species (displaying)	Scolopacidae
3952d	\$1.25	Same species (wading)	Scolopacidae

**ST. VINCENT GRENADINES** (continued)

Issued in panes of 8 w/ two Block/4 or two Vert Strip/4

3953a	\$2.75	Semipalmated Sandpiper, <i>Calidris pusilla</i> (on shore)	Scolopacidae
3953b	\$2.75	Same species (in flight)	Scolopacidae
3953c	\$2.75	Same species (displaying)	Scolopacidae
3953d	\$2.75	Same species (wading)	Scolopacidae

**2015 December 31** (Birds) (MS/6, MS/4, & SS/1)**A**

4045a	\$3.15	Glossy Ibis, <i>Plegadis falcinellus</i>	Threskiornithidae
4045b	\$3.15	Brown Pelican, <i>Pelecanus occidentalis</i>	Pelecanidae
4045c	\$3.15	Great Blue Heron, <i>Ardea herodias</i>	Ardeidae
4045d	\$3.15	Manx Shearwater, <i>Puffinus puffinus</i>	Procellariidae
4045e	\$3.15	White-tailed Tropicbird, <i>Phaethon lepturus</i>	Phaethontidae
4045f	\$3.15	Pied-billed Grebe, <i>Podilymbus podiceps</i>	Podicipedidae
4046a	\$3.25	Green Heron, <i>Butorides virescens</i>	Ardeidae
4046b	\$3.25	Magnificent Frigatebird, <i>Fregata magnificens</i>	Fregatidae
4046c	\$3.25	Roseate Spoonbill, <i>Platalea ajaja</i>	Threskiornithidae
4046d	\$3.25	Great Egret, <i>Ardea alba</i>	Ardeidae
4047	SS \$10	Red-billed Tropicbird, <i>Phaethon aethereus</i>	Phaethontidae

**2017 February 28** (Birds) (Set/2)**A**

4094	\$60	Antillean Crested Hummingbird, <i>Orthorhyncus cristatus</i>	Trochilidae
4095	\$80	St. Vincent Parrot, <i>Amazona guildingii</i>	Psittacidae

**2017 August 9** (Flamingos) (MS/4 & SS/2)**A**

4110a	\$7	American Flamingos, <i>Phoenicopterus ruber</i> (three birds)	Phoenicopteridae
4110b	\$7	Same species (one standing)	Phoenicopteridae
4110c	\$7	Same species (one walking L)	Phoenicopteridae
4110d	\$7	Same species (five birds)	Phoenicopteridae
4110	Margin R:	Same species (four walking L)	Phoenicopteridae
4111a	SS \$7	American Flamingos, <i>Phoenicopterus ruber</i> (two birds)	Phoenicopteridae
4111b	SS \$7	Same species (one bird)	Phoenicopteridae
4111	Margin R:	Same species (flock)	

**2018 March 7** (Colorful Birds) (MS/9 & SS/1)**A**

4139a	\$.50	Lovely Cotinga, <i>Cotinga amabilis</i>	Cotingidae
4139b	\$1	Andean Cock-of-the-Rock, <i>Rupicola peruvianus</i>	Cotingidae
4139c	\$1.50	Orange-billed Leafbird, <i>Chloropsis hardwickii</i>	Chloropseidae
4139d	\$2	Pin-tailed Manakin, <i>Ilicura militaris</i>	Pipridae
4139e	\$2.50	Long-tailed Broadbill, <i>Psarisomus dalhousiae</i>	Eurylaimidae
4139f	\$3	Rufous Motmot, <i>Baryphthengus martii</i>	Momotidae
4139g	\$3.50	American Goldfinch, <i>Spinus tristis</i>	Fringillidae
4139h	\$4	Double-barred Finch, <i>Taeniopygia bichenovii</i>	Estrildidae
4139i	\$4.50	Golden-breasted Starling, <i>Lamprotornis regius</i>	Sturnidae
4140	SS \$15	L: Mealy Parrot, <i>Amazona farinosa</i>	Psittacidae
		(Cap: Southern Mealy Amazon)	
		R: Channel-billed Toucan, <i>Ramphastos vitellinus</i>	Ramphastidae

**2018 March 7** (Caribbean Parrots) (MS/4 & SS/1)**A**

4141a	\$5	Cuban Parrot, <i>Amazona leucocephala</i>	Psittacidae
4141b	\$6	Puerto Rican Parrot, <i>Amazona vittata</i>	Psittacidae
4141c	\$7	Yellow-headed Parrot, <i>Amazona oratrix</i>	Psittacidae
4141d	\$8	St. Vincent Parrot, <i>Amazona guildingii</i>	Psittacidae
4142	SS \$15	St. Vincent Parrot, <i>Amazona guildingii</i>	Psittacidae

**ST. VINCENT GRENADINES (Bequia) 2018 March 21** (Ducks of the Caribbean) (MS/4 & SS/1) **A**

These issues and the two following issues will not assigned catalogue numbers by Scott Publishing. The reasoning behind this decision can be found on page 38, in Vol. 65(1), under the country name St. Vincent. I am bringing this to the attention of the readers, because many of these stamps labeled from the islands of Bequia, Mustique, Mayreau, and Canouan have not been listed by Scott Publishing in seven years according to Martin J. Frankevicz, the New Issues Editor for Scott Publishing,

a	\$3	Blue-winged Teal, <i>Spatula discors</i>	Anatidae
b	\$4	Fulvous Whistling-Duck, <i>Dendrocygna bicolor</i>	Anatidae
c	\$5	Black-bellied Whistling-Duck, <i>Dendrocygna autumnalis</i>	Anatidae
d	\$6	Tufted Duck, <i>Aythya fuligula</i>	Anatidae
N/A	SS \$12	Green-winged Teal, <i>Anas carolinensis</i>	Anatidae

**ST. VINCENT GRENADINES (Mustique) 2018 March 21** (Caribbean Birds) (MS/4 & SS/2) **A**

a	\$5	Cuban Tody, <i>Todus multicolor</i>	Todidae
b	\$6	Tufted Coquette, <i>Lophornis ornatus</i>	Trochilidae
c	\$7	Black-bellied Whistling-Duck, <i>Dendrocygna autumnalis</i>	Anatidae
d	\$7	Rainbow Lorikeet, <i>Trichoglossus moluccanus</i>	Psittaculidae
a	SS \$7	Roseate Spoonbill, <i>Platalea ajaja</i>	Threskiornithidae
b	SS \$8	Scarlet Ibis, <i>Eudocimus ruber</i>	Threskiornithidae

**ST. VINCENT GRENADINES (Mayreau) 2018 July 20** (Shorebirds) (MS/4 & MS/5) **A**

a	\$5	Common Snipe, <i>Gallinago gallinago</i>	Scolopacidae
b	\$5	Red Knot, <i>Calidris canutus</i>	Scolopacidae
c	\$6	Greater Yellowlegs, <i>Tringa melanoleuca</i>	Scolopacidae
d	\$6	Ruddy Turnstone, <i>Arenaria interpres</i>	Scolopacidae
a	\$3	Sanderling, <i>Calidris alba</i>	Scolopacidae
b	\$4	Willet, <i>Tringa semipalmata</i>	Scolopacidae
c	\$5	American Golden Plover, <i>Pluvialis dominica</i> (Cap: Semipalmata Sandpiper, <i>Calidris pusilla</i> )	Charadriidae
d	\$6	Baird's Sandpiper, <i>Calidris bairdii</i>	Scolopacidae
e	\$7	Lesser Yellowlegs, <i>Tringa flavipes</i>	Scolopacidae

**SERBIA 2018 June 19** (Juvenile Animals of Belgrade Zoo) (MS/4) **A**

825b	23d	Black Swan, <i>Cygnus atratus</i>	Anatidae
------	-----	-----------------------------------	----------

**SIERRA LEONE 2018 July 27** (Hornbills) (MS/4 & SS/1) **A**

a	9800le	African Pied Hornbill, <i>Lophoceros fasciatus</i> (also UR margin)	Bucerotidae
b	9800le	African Gray Hornbill, <i>Lophoceros nasutus</i> (also LR margin)	Bucerotidae
c	9800le	Yellow-casqued Hornbill, <i>Ceratogymna elata</i> (also UL margin)	Bucerotidae
d	9800le	Western Red-billed Hornbill, <i>Tockus kempfi</i>	Bucerotidae
	Margin	LL: Piping Hornbill, <i>Bycanistes fistulator</i>	Bucerotidae
N/A	SS 40000le	Piping Hornbill, <i>Bycanistes fistulator</i>	Bucerotidae
	Margin	ML: African Pied Hornbill, <i>Lophoceros fasciatus</i>	Bucerotidae
		Ctr: Western Red-billed Hornbill, <i>Tockus kempfi</i>	Bucerotidae
		Top & R: Abyssinian Ground-Hornbill, <i>Bucorvus abyssinicus</i>	Bucorvidae

**2018 August 30** (Wildlife of Macao) (MS/3 & SS/1) **A**

Issued for the 35th Asian International Stamp Exhibition held in Macao in 2018.

b	9800le	Gray Heron, <i>Ardea cinerea</i>	Ardeidae
N/A	SS 40000le	Chinese Pond-Heron, <i>Ardeola bacchus</i>	Ardeidae
	Margin	R: White-bellied Storm-Petrel, <i>Fregatta grallaria</i>	Hydrobatidae



<b>SIERRA LEONE</b> (continued)		<b>2018 August 30</b> (Owls) (MS/4 & SS/1)	<b>A</b>
a	9800le	Barn Owl, <i>Tyto alba</i>	Tytonidae
b	9800le	Eurasian Pygmy-Owl, <i>Glaucidium passerinum</i>	Strigidae
c	9800le	Great Horned Owl, <i>Bubo virginianus</i>	Strigidae
d	9800le	Snowy Owl, <i>Bubo scandiacus</i>	Strigidae
N/A	SS 40000le	Southern White-faced Owl, <i>Ptilopsis granti</i>	Strigidae
	Margin	R: Barn Owl, <i>Tyto alba</i>	Tytonidae
		<b>2018 August 30</b> (Peacocks) (MS/4 & SS/1)	<b>A</b>
a	9800le	Gray Peacock-Pheasant, <i>Polyplectron bicalcaratum</i>	Phasianidae
b	9800le	Green Peafowl, <i>Pavo muticus</i>	Phasianidae
c	9800le	Indian Peafowl, <i>Pavo cristatus</i> (displaying)	Phasianidae
d	9800le	Indian Peafowl, <i>Pavo cristatus</i> (white)	Phasianidae
N/A	SS 40000le	Indian Peafowl, <i>Pavo cristatus</i> (also R margin)	Phasianidae
		<b>2018 September 28</b> (Global Warming) (MS/6)	<b>A</b>
e	9800le	Emperor Penguin, <i>Aptenodytes forsteri</i>	Spheniscidae
		<b>2018 September 28</b> (Tropical Birds) (MS/6 & SS/1)	<b>A</b>
a	9800le	Blue-streaked Lory, <i>Eos reticulata</i>	Psittaculidae
b	9800le	Red-whiskered Bulbul, <i>Pycnonotus jocosus</i>	Pycnonotidae
c	9800le	Great Kiskadee, <i>Pitangus sulphuratus</i>	Tyrannidae
d	9800le	Swallow-tailed Manakin, <i>Chiroxiphia caudate</i>	Pipridae
e	9800le	Golden Parakeet, <i>Guarouba guarouba</i>	Psittacidae
f	9800le	Keel-billed Toucan, <i>Ramphastos sulfuratus</i>	Ramphastidae
N/A	SS 40000le	Hoatzin, <i>Opisthocomus hoazin</i>	Opisthocomidae
	Margin	LL: Red-whiskered Bulbul, <i>Pycnonotus jocosus</i>	Pycnonotidae
		LR: Swallow-tailed Manakin, <i>Chiroxiphia caudate</i>	Pipridae
		<b>2018 October 23</b> (Eagles) (MS/4 & SS/1)	<b>A</b>
a	9800le	Bald Eagle, <i>Haliaeetus leucocephalus</i>	Accipitridae
b	9800le	Steller's Sea-Eagle, <i>Haliaeetus pelagicus</i>	Accipitridae
c	9800le	Golden Eagle, <i>Aquila chrysaetos</i>	Accipitridae
d	9800le	Philippine Eagle, <i>Pithecophaga jefferyi</i>	Accipitridae
N/A	SS 40000le	Bateleur, <i>Terathopius ecaudatus</i>	Accipitridae
	Margin	Bot: Steller's Sea-Eagle, <i>Haliaeetus pelagicus</i>	Accipitridae
<b>TURKMENISTAN</b>		<b>2013 February 18</b> (Falconry) (SS/3)	<b>B</b>
A falcon is also sitting on the arm of a falconer in the margin, but I am not sure of the species.			
b	T	Saker Falcon, <i>Falco cherrug</i>	Falconidae
		<b>2017 April 17</b> (Birds) (Set/3)	<b>A</b>
N/A	T	Black Francolin, <i>Francolinus francolinus</i>	Phasianidae
N/A	T	Great Bustard, <i>Otis tarda</i>	Otididae
N/A	T	Greater Flamingo, <i>Phoenicopterus roseus</i>	Phoenicopteridae

I have decided to enter these two listings after another email to Martin J. Frankevicz, New Issues Editor for Scott Publishing, (now Amos Media). I first communicated with him on 21 November 2011, regarding a set of three stamps featuring birds, as to the status of when they would be listing numbers for this set. The last listing for Turkmenistan was for issues back in 2006. The issues listed here are non-denominated stamps, as were the three in listed in Vol. 60(4), December 2011.

The reply I received from Mr. Frankevicz on 10 September 2018, was basically the same as he gave me back in November 2011. They are holding a number of stamps issued by Turkmenistan in a folder for the time they will list them. This is what he conveyed to me in his letter.

“There are still a number of other items that we do not have, and there is much to be learned about stamps that we have received at inflated prices. Unfortunately, I’m not likely to get any information on these questions from postal sources in Turkmenistan because I have already tried. And getting such information from other sources is unlikely because, if that information was available, it would have been in other catalogues.

“While other catalogues do list some of the stamps, they give absolutely no information about the face values. The order on our vertical strip of these stamps is G, A, O, G, S, T, and D. Do the G stamps have different values or not? Who knows? Since there is no information about face values, I have no idea whether the stamps listed in other catalogues are in denominational order or not. And lacking that, I have no idea as to whether the prices being charged are in line with franking value, which is an important aspect of our deciding whether a stamp is listable or not.

“According to some posts on websites, some of the more expensive items appear to have been produced in extremely limited quantities, which would preclude us from listing them. Frankly, this stampboards page is pretty much the extent of what is known about Turkmenistan stamps in the collecting community.

“It seems obvious that this is a country where information does not flow freely. While Turkmenistan does have a website for its postal service, and you can see some of their stamps on it (<http://www.turkmenpost.gov.tm/ru/stamps?query string>), there is no information offered about the stamps or even about postal rates.”

As editor of birds for Ornithology for the official Journal of the Biology Unit of ATA, I try to keep up with “what is or is not” happening in the listing of stamps for Ornithology and I frequently communicate with Mr. Frankevicz to see what the status is regarding a number of countries and their issues that I am aware of, but see no listings for. That I feel is part of my job as the author of Ornithology.

<b>UNITED STATES</b>		<b>2018 September 22</b> (Birds in Winter) (Block/4 & Bklt/20)	<b>A</b>
5317	(50c)	Black-capped Chickadee, <i>Poecile atricapillus</i>	Paridae
5318	(50c)	Northern Cardinal, <i>Cardinalis cardinalis</i>	Cardinalidae
5319	(50c)	Red-bellied Woodpecker, <i>Melanerpes carolinus</i>	Picidae
5320	(50c)	Blue Jay, <i>Cyanocitta cristata</i>	Corvidae
5320a		Block/4 (Sc#5317–20) (s/a)	
5320b		Bklt/20 (5ea Sc#5317–20) (s/a)	

Flora & Fauna



**New issues 🐾 FDCs and Stamps**

**[www.fauna-stamps.com](http://www.fauna-stamps.com)**



**Philately Company s.r.o.**

Radouňova 2681/24, 155 00, Prague, Czech Republic

E-mail: [info@fauna-stamps.com](mailto:info@fauna-stamps.com) / Telefon: + (420) 773 133 955

## NEW BIRDS IN THE PHILATELIC AVIARY

Charles E. Braun, BU1364

### New Birds



**BLACK-BREASTED KITE**, *Hamirostra melanosternon* Accipitridae  
Aitutaki, 2018 December 27, not yet cataloged, 40c

Length: 20 to 24 inches, sexes alike, migratory. Dark with reddish-brown nape and thighs.

Habitat: Woodland, savanna, plains, and desert.

Range: Breeds in northern and central Australia. Winters throughout Australia except the southern coasts.

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



**LETTER-WINGED KITE**, *Elanus scriptus* Accipitridae  
Cook Islands, 2018 December 20, not yet cataloged, \$5

Length: 14 to 15 inches, sexes alike, migratory. Gray above and white below with black wing patches, tail, and around the eyes.

Habitat: Dry grasslands and plains.

Range: Breeds in central Australia. Winters in central and coastal Australia.

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

*the World, Volume 2.*



**HENST'S GOSHAWK**, *Accipiter henstii* Accipitridae  
Aitutaki, 2018 December 27, not yet cataloged, \$2

Length: 21 to 25 inches, sexes alike, resident. Grayish-brown above and grayish-brown-barred white below with a pale stripe above the eye.

Habitat: Forest and woodland.

Range: Madagascar.

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

*the World, Volume 2.*



**AFRICAN MARSH-HARRIER**, *Circus ranivorus* Accipitridae  
Aitutaki, 2018 December 27, not yet cataloged, \$5

Length: 48 to 50 inches, sexes alike, resident. Brown with rufous thighs, white face, and a streaked white nape.

Habitat: Marshes and adjacent areas.

Range: Somalia to South Africa.

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



**MADAGASCAR HARRIER-HAWK**, *Polyboroides radiatus* Accipitridae  
Cook Islands, 2018 December 20, not yet cataloged, 50c

Length: 27 inches, sexes alike, resident. Pale gray above and banded white below with black wings and a black tail with a broad white band.

Habitat: Forests and woodlands.

Range: Madagascar.

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

*the World, Volume 2.*



**SEE-SEE PARTRIDGE, *Ammoperdix griseogularis*** Phasianidae  
Tajikistan, 2018 December, not yet cataloged, 3s

Length: 9 to 10 inches, resident. The male (shown) is sandy brown with brown and white flank stripes and a gray throat. The female lacks the flank stripes.  
Habitat: Lightly vegetated dry and stony foothills.

Range: Southeastern Turkey to Pakistan.

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

*of the World, Volume 2.*



**AFRICAN CUCKOO, *Cuculus gularis*** Cuculidae  
Angola, 2018 December 10, Sc#1557, 1200k SS (R margin)

Length: 13 inches, migratory. The male (shown) is dark ashy-gray above and barred whitish below with a pale gray throat. The female has a rufous throat.

Habitat: Open woodland and acacia savanna.

Range: Breeds from Senegal to Eritrea and eastern South Africa. Winters from Senegal to Tanzania.

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



**CRESTED OWL *Lophotrix cristata*** Strigidae  
Maldives, 2018 January 4, not yet cataloged, 20r

Length: 14 to 17 inches, sexes alike, resident. Brown, paler below with white eyebrows and ear tufts.

Habitat: Woodland and forest.

Range: Southern Mexico to eastern Peru and northern Brazil.

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



**COSTA RICAN PYGMY-OWL, *Glaucidium costaricanum*** Strigidae  
Cook Islands (Rarotonga), 2018 December 20, not yet cataloged, 50c

Length: 6 inches, sexes alike, resident. Dark brown above and black-streaked white below with a white-spotted brown head and rich brown sides of the breast.

Habitat: Upland forest and adjacent areas.

Range: Central Costa Rica to western Panama.

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

*the World, Volume 5.*



**CHESTNUT-BACKED OWLET, *Glaucidium castanonotum*** Strigidae  
Sri Lanka, 2017 December 16, not yet cataloged, 10r

Length: 8 inches, sexes alike, resident. Barred chestnut and blackish above and white below with dark bars on the breast and flanks and olive-brown streaks on the belly.

Habitat: Dense wet forest.

Range: Sri Lanka.

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



**GREATER ANTILLEAN NIGHTJAR, *Antrostomus cubanensis*** Caprimulgidae  
Cuba, 2018 November 4, not yet cataloged, 75c

Length: 10 to 12 inches, resident. The male (shown) is speckled blackish-brown above and speckled buffish-white below with a pale buff band around the lower throat and white tips on the tail. The female has buff tips on the tail.

Habitat: Open woodland, swamps, and rivers.

Range: Cuba.

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



**LESSER VIOLETEAR, *Colibri cyanotus*** Trochilidae  
Sierra Leone, 2018 November 30, not yet cataloged, 9800le

Length: 4 inches, sexes alike, resident. Bluish green with a broad violet ear patch and a speckled throat.

Habitat: Highland scrub, forest edges, and plantations.

Range: Venezuela to Ecuador.

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



**BLUE-THROATED HILLSTAR, *Oreotrochilus cyanolaemus*** Trochilidae  
Ecuador, 2018 December 11, not yet cataloged, 75c

Length: 5 inches, resident. The male (shown) is green above and white below with brown wings, a blue tail, a black-bordered blue-throat, and a median line on the belly. The female is tan below and lacks the blue throat and median belly line.

Habitat: Bush-lined creeks in high mountains.

Range: Andes of southwestern Ecuador.

Reference: Sermoza-Medina, Francisco, et al., *Auk*, 135 (4) 2018.

**BLUE-MOUSTACHED BEE-EATER, *Merops mentalis*** Meropidae  
Liberia, 1997, Sc#1284, 15c (also on issues from Togo and Ivory Coast)

Length: 8 inches, sexes alike, resident. Blue with deep chestnut back, wings and throat and a black eye-stripe.

Habitat: Lowland rainforest, clearings, and glades.

Range: Sierra Leone to western Cameroon and Fernando Po.

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



**RUFIOUS-CROWNED BEE-EATER, *Merops americanus*** Meropidae  
Uganda, 2014 April 1, Sc#2130, 7500sh SS (also on issues from Sierra Leone and Togo)

Length: 8 inches, sexes alike, resident. Green, with a rich rufous crown and mantle and pale blue cheeks.

Habitat: Lowland scrub, dunes, farms, and gardens.

Range: Philippines.

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

**Note:** All 28 species of bee-eaters have now appeared on stamps.



**GOLDEN-CROWNED WOODPECKER, *Chloropicus xantholophus*** Picidae

Angola, 2018 December 10, Sc#1475, 300k

Length: 10 inches, resident. The male (shown) is olive-brown above and white-spotted greenish olive below with a yellow crown and a white face with a black central band. The female lacks the yellow crown.

Habitat: Lowland trees and plantations.

Range: Southwestern Cameroon to northwestern Angola and western Kenya.

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



**RUFOUS-FRONTED PARAKEET, *Bolborhynchus ferrugineifrons*** Psittacidae

Colombia, 2018 January 23, not yet cataloged (UL margin)

Length: 8 inches, sexes alike, resident. Green, paler below and on the rump and rufous around the bill.

Habitat: Humid mountain scrub and elfin forest.

Range: Central Andes of Colombia.

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



**SRI LANKA DRONGO, *Drongo lophorinus*** Dicruridae

Sri Lanka, 2017 December 16, not yet cataloged, 35r

Length: 12 to 14 inches, sexes alike, resident. Black with a deeply forked tail and a frontal crest,

Habitat: Tall, dense humid forest.

Range: Southern Sri Lanka.

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

**TAHITI MONARCH, *Pomarea nigra*** Monarchidae

French Polynesia, 2018, not yet cataloged, 80fr

Length: 6 inches, sexes alike, resident. All metallic black with a blue bill.

Habitat: Moist forest.

Range: Western Tahiti.

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



**SRI LANKA WARBLER, *Elaphrornis palliseri*** Locustellidae

Sri Lanka, 2018, not yet cataloged, 15r

Length: 6 inches, sexes similar, resident. Olive-brown above and olive below with a pale supercilium, gray lores, and a peach-buff throat.

Habitat: Grassy areas with bamboo and wet mountain forest.

Range: Southern Sri Lanka.

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



**WHITE-CAPPED REDSTART, *Phoenicurus leucocephalus*** Muscicapidae  
Tajikistan, 2018 December, not yet cataloged, 5s

Length: 7 inches, sexes alike, migratory. Black above and orange-chestnut below and tail with a white cap.

Habitat: Breeds along mountain streams. Winters near rivers and canals.

Range: Breeds from eastern Uzbekistan to eastern China and northern Myanmar. Winters from Tajikistan to central China and northern Thailand.

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

*of the World, Volume 10.*



**SILVER-THROATED TANAGER, *Tangara icterocephala*** Thraupidae  
Guyana, 2018 November 20, not yet cataloged, \$200 (previously on a Bernera local)

Length: 5 inches, sexes similar, resident. Yellow with a black-streaked back, silvery greenish-white throat, and a black moustachial stripe.

Habitat: Wet forest and second-growth woodland.

Range: Southern Costa Rica to western Ecuador.

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

**SPECKLED TANAGER, *Tangara guttata*** Thraupidae  
Guyana, 2018 November 20, not yet cataloged, \$500 SS

Length: 5 inches, sexes similar, resident. Green above and white below with black spots on the head, back, and breast and black lores.

Habitat: Humid forest and adjacent areas.

Range: Costa Rica to the Guianas.

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



**GUIRA TANAGER, *Hemithraupis guira*** Thraupidae  
Guyana, 2018 November 20, not yet cataloged, \$200

Length: 5 inches, resident. The male (shown) is olive-green above and with a yellow-bordered dark sooty-brown face, rich tawny-rufous breast and a gray-flanked yellow belly. The female is olive-green above and yellow below with gray flanks.

Habitat: Forest canopy and woodland.

Range: Colombia to northwestern Argentina.

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

## LISTENING TO STAMPS: EUROPA'S BIRDSONGS



Smartphone users will be able to listen to the sounds of the linnet and goldfinch by scanning these Europa stamps to be issued on 1 April by Guernsey. Other postal administrations also will offer this additional feature on their Europa stamps.

Bridget Yabsley, head of philately at Guernsey Post, said: "In conjunction with the PostEurop Birdproject 2019, our stamps depicting the EUROPA logo (65 pence and 80 pence) have an additional feature as they can be scanned with a smartphone using the free Cee-App to hear the sounds of the birds."

The 65p stamp from Guernsey shows a Common Linnet (*Linaria cannabina*), and the 80p denomination depicts a Goldfinch (*Carduelis carduelis*).

According to PostEurop, the following postal administrations have announced that they will participate in the project: Azores, Belgium, Bosnia and Herzegovina, Croatia, Estonia, Faroe Islands, Germany, Gibraltar, Greece, Greenland, Guernsey, Ireland, Iceland, Isle of Man, Jersey, Luxembourg, Madeira, Norway, the Netherlands, Poland, Portugal, Slovenia, Spain, and Switzerland.

PostEurop said that additional postal administrations may participate as well.

A Netherlands marketing and advertising firm, Studio Ex-cello, is working with the postal administrations participating in Birdproject 2019.

(*Linn's Stamp News* – Denise McCarty) Birds will be singing on several of this year's Europa stamps.

Each year, PostEurop, the Association of European Public Postal Operators, selects a theme for the multi-nation Europa series. As announced in the 10 July 2017, issue of *Linn's*, the theme for 2019 is birds.

However, many of this year's stamps will do more than just show birds, they will play their songs as well through the use of a special smartphone application (app), according to a 7 February newsletter from the PostEurop Stamps and Philately Working Group.

PostEurop is calling this Birdproject 2019.

Some postal administrations have already announced their singing bird stamps. For example, two of the six Birds stamps to be issued 1 April by Guernsey Post will include the Europa emblem and feature this app.





# 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 or venomous by marking it with a (☠) symbol. One should not infer that other species that are not so marked are non-poisonous or non-venomous or safe to handle/eat.]

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
<b>AUSTRALIA</b>				
<b>2018 July 10 (Frogs) (SS/4)</b>				
4823	\$1	Armored Mist Frog (Waterfall Frog), <i>Litoria nannotis</i>	Hylidae, Hylinae	A
4824	\$1	Australian Lace-lid, <i>Nyctimystes dayi</i>	Hylidae, Pelodryadinae	A
4825	\$1	Baw Baw Frog, <i>Philoria frosti</i>	Myobatrachidae, Limnodynastinae	A
4826	\$1	Tasmanian Tree Frog, <i>Litoria burrowsi</i>	Hylidae, Hylinae	A
4826a		SS/4 (Sc#4823–26)		
<b>2018 August 1 (Reef Animals) (Bklt/4, SS/5, Bklt/10)</b>				
4828	\$1	Green Sea Turtle, <i>Chelonia mydas</i>	Cheloniidae, Cheloniinae	A
4828a		Bklt/4 (Sc#4828) (perf 14×14¾) (w/ white frames)		
4829	\$1	Olive-brown Sea Snake, <i>Aipysurus laevis</i> ☠	Elapidae, Elapinae	A
4829a		Bklt/4 (Sc#4829) (perf 14×14¾) (w/ white frames)		
4832b	\$1	Green Sea Turtle, <i>Chelonia mydas</i>	Cheloniidae, Cheloniinae	A
4832c	\$1	Olive-brown Sea Snake, <i>Aipysurus laevis</i> ☠	Elapidae, Elapinae	A
4832		SS/5 (Sc#4832a–e) (w/o white frames)		
4834	\$1	Green Sea Turtle, <i>Chelonia mydas</i>	Cheloniidae, Cheloniinae	A
4835	\$1	Olive-brown Sea Snake, <i>Aipysurus laevis</i> ☠	Elapidae, Elapinae	A
4836a		Bklt/10 (3ea Sc#4833–34, 2ea Sc#4835–36)		
4836b		Bklt/20 (5ea Sc#4833–36)		
<b>BELGIUM</b>				
<b>2018 June 11 (Spirals in Nature) (MS/5)</b>				
2858e	(€1.30)	U/I Chameleon tail (among 18 Spirals in Nature)		U C
<b>BENIN</b>				
<b>1979 (surcharge)</b>				
446B	50fr	U/I Tortoise (Sc#372 surch)		U A
<b>BOSNIA &amp; HERZEGOVINA (Serb)</b>				
<b>2018 September 5 (Snakes) (MS/4)</b>				
597a	1.70m	Aesculapian Snake, <i>Zamenis longissimus</i>	Colubridae, Colubrinae	A
597b	1.70m	Northern Viper, <i>Vipera berus</i> ☠	Viperidae, Viperinae	A
597c	1.70m	Dice Snake, <i>Natrix tessellata</i>	Colubridae, Natricinae	A
597d	1.70m	Nose-horned Viper, <i>Vipera ammodytes</i> ☠	Viperidae, Viperinae	A
<b>CUBA</b>				
<b>2017 July 5 (World Environment Day) (Set/6)</b>				
5954	10c	U/I Sea Turtles (on beach)		U A
5956	20c	Cuban Crocodile, <i>Crocodylus rhombifer</i>	Crocodylidae	A
<b>CZECH REPUBLIC</b>				
<b>2018 September 5 (Animals in Czech Republic Zoos) (MS/4+4 labels)</b>				
3765	Margin	MR: Blue Poison Dart Frog, <i>Dendrobates tinctorius 'azureus'</i> ☠	Dendrobatidae	Z
		LR: Emerald Tree Skink, <i>Lamprolepis smaragdina</i>	Scincidae	Z

**DJIBOUTI****2018 August 27** (Turtles) (MS/4 & SS/1) (DJB18507a&b)

1549a	240fr	Aldabra Giant Tortoise, <i>Aldabrachelys gigantea</i>	Testudinidae	A
1549b	240fr	Common Snake-necked Turtle, <i>Chelodina longicollis</i>	Chelidae	A
1549c	240fr	Common Snapping Turtle, <i>Chelydra serpentina</i>	Chelydridae	A
1549d	240fr	Hawksbill Sea Turtle, <i>Eretmochelys imbricata</i>	Cheloniidae	A
1566	SS 950fr	Green Turtle, <i>Chelonia mydas</i>	Cheloniidae	A
	Margin	R: Common Snake-necked Turtle, <i>Chelodina longicollis</i>	Chelidae	Z

**2018 August 27** (Snakes) (MS/4 & SS/1) (DJB18509a&b)

1550a	240fr	Common Kingsnake, <i>Lampropeltis getula</i>	Colubridae, Colubrinae	A
1550b	240fr	California Mountain Kingsnake, <i>Lampropeltis zonata</i>	Colubridae, Colubrinae	A
1550c	240fr	Green Tree Python, <i>Morelia viridis</i>	Pythonidae, Henophidia	A
1550d	240fr	White-lipped Pit Viper, <i>Trimeresurus albolabris</i> ♂	Viperidae, Crotalinae	A
	Margin	Bkgrd: Ball (Royal) Python, <i>Python regius</i>	Pythonidae, Pythoninae	Z
1567	SS 950fr	Texas Rat Snake, <i>Elaphe obsoleta</i> ssp. <i>lindheimeri</i>	Colubridae, Colubrinae	A
	Margin	Bkgrd: Ball (Royal) Python, <i>Python regius</i>	Pythonidae, Pythoninae	Z

**2018 August 27** (Chinese Zodiac) (MS/12 & 12ea SS/1) (DJB18519a&b)

1574f	300fr	Stylized snake (zodiac symbol)		S A
1574		MS/12 (Sc#1574a-1) (perf 13¼×13)		
1574m	SS 300fr	Bot: Stylized snake (tiny zodiac symbol) (w/ Rat)		S Z
1574n	SS 300fr	Bot: Stylized snake (tiny zodiac symbol) (w/ Ox)		S Z
1574o	SS 300fr	Bot: Stylized snake (tiny zodiac symbol) (w/ Tiger)		S Z
1574p	SS 300fr	Bot: Stylized snake (tiny zodiac symbol) (w/ Rabbit)		S Z
1574q	SS 300fr	Bot: Stylized snake (tiny zodiac symbol) (w/ Dragon)		S Z
1574r	SS 300fr	Stylized snake (zodiac symbol) (also in Bot margin)		S A Z
1574s	SS 300fr	Bot: Stylized snake (tiny zodiac symbol) (w/ Horse)		S Z
1574t	SS 300fr	Bot: Stylized snake (tiny zodiac symbol) (w/ Goat)		S Z
1574u	SS 300fr	Bot: Stylized snake (tiny zodiac symbol) (w/ Monkey)		S Z
1574v	SS 300fr	Bot: Stylized snake (tiny zodiac symbol) (w/ Rooster)		S Z
1574w	SS 300fr	Bot: Stylized snake (tiny zodiac symbol) (w/ Dog)		S Z
1574x	SS 300fr	Bot: Stylized snake (tiny zodiac symbol) (w/ Pig)		S Z
1575f	300fr	Stylized snake (zodiac symbol)		S A
1575		MS/12 (Sc#157a-1) (printed on wood veneer) (s/a)		

**GUYANA****2018 March 14** (Frogs) (MS/6 & SS/1)

4547a	\$150	Three-striped Poison Frog, <i>Ameerega trivittatus</i>	Dendrobatidae	A
4547b	\$200	Mission Golden-eyed Tree Frog, <i>Trachycephalus resinifictrix</i> (Cap/Syn: Amazon Milk Frog)	Hylidae	A
4547c	\$250	Northern Orange-legged Leaf Frog, <i>Phyllomedusa hypochondrialis</i> (Cap/Syn: Tiger-legged Monkey Frog)	Hylidae	A
4547d	\$300	Map Tree Frog, <i>Hypsiboas geographicus</i>	Hylidae	A
4547e	\$450	Yellow-headed Poison Frog, <i>Dendrobates leucomelas</i> ♂ (Cap/Syn: Bumble bee Poison Dart Frog)	Dendrobatidae, Dendrobatinae	A
4547f	\$400	Surinam Horned Frog, <i>Ceratophrys cornuta</i> (Cap/Syn: Amazonian Horned Frog)	Ceratophryidae	A
4548	SS \$800	Golden Rocket Frog, <i>Anomaloglossus beebei</i>	Dendrobatidae	A

**2018 June 7** (Wildlife) (Set/5)

4558	\$100	Black Caiman, <i>Melanosuchus niger</i>	Alligatoridae	A
------	-------	-----------------------------------------	---------------	---

**2018 August 5** (Salamanders) (MS/3 & SS/1)

4573a	\$400	Cocle Salamander, <i>Bolitoglossa schizodactyla</i>	Plethodontidae, Hemidactyliinae	A
4573b	\$400	Mexican Climbing Salamander, <i>Bolitoglossa mexicana</i>	Plethodontidae, Hemidactyliinae	A
4573c	\$450	Peruvian Climbing Salamander, <i>Bolitoglossa peruviana</i>	Plethodontidae, Hemidactyliinae	A

**GUYANA** (continued)

4573	Margin	Top: Conant's Salamander, <i>Bolitoglossa conati</i>	Plethodontidae, Hemidactyliinae	A
4574	SS \$820	Mexican Axolotl, <i>Ambystoma mexicanum</i>	Ambystomatidae	A

**LIBERIA****2016 January 28** (Reptiles of Africa) (MS/4, MS/6, & SS/1)

3106a	\$100	Leopard Tortoise, <i>Stigmochelys pardalis</i>	Testudinidae	A
3106b	\$100	Eyelash Bush Viper, <i>Bothriechis schlegelii</i> ♀	Viperidae, Crotalinae	A
3106c	\$100	Gaboon Adder, <i>Bitis cornuta</i> ♀ (Cap/Syn: Gaboon Viper)	Viperidae, Viperinae	A
3106d	\$100	Southern Flat-tail Gecko, <i>Uroplatus sikorae</i> (Cap/Syn: Mossy Leaf-tailed Gecko)	Gekkonidae	A
3107a	\$100	Madagascar Day Gecko, <i>Phelsuma madagascariensis</i>	Gekkonidae	A
3107b	\$100	Radiated Tortoise, <i>Astrochelys radiata</i>	Testudinidae	A
3107c	\$100	Common Agama, <i>Agama agama</i> (Cap: Red-headed Rock Agama)	Agamidae, Agaminae	A
3107d	\$100	Nile Crocodile, <i>Crocodylus niloticus</i>	Crocodylidae	A
3107e	\$100	Pancake Tortoise, <i>Malacochersus tornieri</i>	Testudinidae	A
3107f	\$100	Nile Monitor, <i>Varanus niloticus</i>	Varanidae, Platynota	A
3108	SS \$350	Parson's Chameleon, <i>Calumma parsonii</i>	Chamaeleonidae	A
	Margin	LR: U/I Chameleon	Chamaeleonidae	U Z

**MALAYSIA****2018 February 27** (Rivers) (SS/1)

1739	SS \$8	Saltwater Crocodile, <i>Crocodylus porosus</i> (Rajang River)	Crocodylidae	B
------	--------	---------------------------------------------------------------	--------------	---

**MOLDOVA****2018 March 29** (Fauna of *Padurea Domneasca* Nature Reserve) (Set/4)

976	1.751	U/I Frog (in bill of Blue Heron)		U C
-----	-------	----------------------------------	--	-----

**NEVIS****2018 April 23** (Geckos) (MS/4 & SS/2)

1941a	\$4	Crested Gecko, <i>Correlophus ciliatus</i>	Diplodactylidae	A
1941b	\$5.50	Madagascar Day Gecko, <i>Phelsuma madagascariensis</i>	Gekkonidae	A
1941c	\$6	Tokay Gecko, <i>Gekko gekko</i>	Gekkonidae	A
1941d	\$6.50	Kuhl's Flying Gecko, <i>Ptychozoon kuhli</i>	Gekkonidae	A
1942a	SS \$7	Williams' Dwarf Gecko, <i>Lygodactylus williamsi</i>	Gekkonidae	A
1942b	SS \$9	Common Leopard Gecko, <i>Eublepharis macularius</i>	Eublepharidae	A

**ROMANIA****2017 December 7** (Venomous Animals) (Set/4)

6034	41	Golden Poison Frog, <i>Phyllobates terribilis</i> ♀	Dendrobatidae, Dendrobatinae	A
6034a		MS/5+1 label (Sc#6034)		
6036	161	Inland Taipan, <i>Oxyuranus microlepidotus</i> ♀	Elapidae	A
6036a		MS/5+1 label (Sc#6036)		

**ST. MARTIN****2016 February 3** (Parrots) (SS/1)

129	SS 500c	LR: U/I snake (w/ <i>Eclectus roratus</i> )		U Z
		LR: U/I lizard		U Z

**2016 February 10** (Frogs) (12ea SS/1)

140	SS 500c	Common Toad, <i>Bufo bufo</i>	Bufoidea	A
141	SS 500c	no common name, <i>Nymphargus truebae</i> (Cap/Syn: <i>Cochranella truebae</i> )	Centrolenidae	A
142	SS 500c	European Tree Frog, <i>Hyla arborea</i>	Hylidae	A
143	SS 500c	Gunther's Banded Tree Frog, <i>Hypsiboas fasciatus</i> (Cap/Syn: <i>Hyla fasciata</i> )	Hylidae	A
144	SS 500c	Ornate Burrowing Frog, <i>Platyplectrum ornatum</i> (Cap/Syn: <i>Limnodynastes ornatum</i> )	Myobatrachidae	A
145	SS 500c	no common name, <i>Mantidactylus grandidieri</i>	Mantellidae, Mantellinae	A
146	SS 500c	Seep Frog, <i>Occidozyga baluensis</i>	Dicroglossidae, Occidozyginae	A
147	SS 500c	Lehmann's Poison Frog, <i>Oophaga lehmanni</i>	Dendrobatidae, Dendrobatinae	A

148	SS 500c	Strawberry Poison-dart Frog, <i>Oophaga pumilio</i> ♀	Dendrobatidae, Dendrobatinae	A
149	SS 500c	Buckley's Slender-Legged Tree Frog, <i>Osteocephalus buckleyi</i>	Hylidae, Hyalinae	A
150	SS 500c	Common Frog, <i>Rana temporaria</i>	Ranidae	A
151	SS 500c	Mindanao Splash Frog, <i>Staurois natator</i>	Ranidae	A

**2016 February 24** (Parrots) (12ea SS/1)

160	SS 500c	Top: U/I lizard (w/ <i>Amazona amazonica</i> )		U Z
162	SS 500c	LL: U/I lizard (w/ <i>Amazona guildingii</i> )		U Z
		UR: U/I lizard		U Z
163	SS 500c	Bot: U/I snake (w/ <i>Amazona ochrocephala</i> )		U Z
167	SS 500c	LL: U/I lizard (w/ <i>Coracopsis vasa</i> )		U Z

**2018 July 20** (Ocean Life) (Strip/4)

185a	100c	U/I sea turtle		U
------	------	----------------	--	---

**ST. VINCENT****2017 June 28** (Geckos) (MS/4 & SS/3)

4114a	\$7	Gold Dust Day Gecko, <i>Phelsuma laticauda</i> (facing L)	Gekkonidae	A
4114b	\$7	Same species (on leaf, facing R)	Gekkonidae	A
4114c	\$7	Same species (on rock)	Gekkonidae	A
4114d	\$7	Day Gecko, <i>Phelsuma madagascariensis</i>	Gekkonidae	A
4114	Margin	R: U/I geckos (on palm leaf)	Gekkonidae	U Z
4115a	SS \$7	Gold Dust Day Gecko, <i>Phelsuma laticauda</i> (facing L)	Gekkonidae	A
4115b	SS \$7	Same species (facing top)	Gekkonidae	A
4115c	SS \$7	Same species (facing L, mouth open)	Gekkonidae	A

**2018 March 7** (Green Sea Turtles) (MS/6 & SS/2)

4145a	\$1	Green Turtle, <i>Chelonia mydas</i>	Cheloniidae	A
4145b	\$2	Same species	Cheloniidae	A
4145c	\$3	Same species	Cheloniidae	A
4145d	\$4	Same species	Cheloniidae	A
4146e	\$5	Same species	Cheloniidae	A
4145f	\$6	Same species	Cheloniidae	A
4146a	SS \$7	Same species	Cheloniidae	A
4146b	SS \$8	Same species	Cheloniidae	A

**2018 March 7** (Caribbean Reptiles) (MS/4 & SS/1)

4147a	\$6	Turnip-tailed Gecko, <i>Thecadactylus rapicauda</i> (Cap: Thumb-tailed Gecko)	Phyllodactylidae	A
4147b	\$6	Green Iguana, <i>Iguana iguana</i>	Iguanidae	A
4147d	\$8	Cook's Tree Boa, <i>Corallus cookii</i> (Cap: <i>Anolis griseus</i> )	Boidae, Boinae	A
4147d	\$8	Tropical House Gecko, <i>Hemidactylus mabouia</i>	Gekkonidae	A
4148	SS \$12	Loggerhead Sea Turtle, <i>Caretta caretta</i> (hatchling)	Cheloniidae	A

**TRINIDAD&TOBAGO****2018** (Surcharges)

932	\$1	Green Iguana, <i>Iguana iguana</i> (Sc#614 surch)	Iguanidae	A
-----	-----	---------------------------------------------------	-----------	---

# MARINE INVERTEBRATES

Editor

Ian Hunter, BU1619

New Listings



Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
<b>ANGOLA</b> <span style="float: right;"><b>2018 December 10</b> (Marine Molluscs) (MS/4 &amp; SS/1)</span>				
1508	300k	Senegal Moon Snail, <i>Euspira grossularia</i>	Naticidae	A
1509	300k	Giant Tun, <i>Tonna galea</i>	Tonnidae	A
1510	300k	Costate Cockle, <i>Cardium costatum</i>	Cypraeidae	A
1511	300k	Shiny Marginella <i>Marginella glabella</i>	Marginellidae	A
1562	SS 1200k	Perspective Sundial Shell, <i>Architectonica perspectiva</i>	Architectonicidae	A
	Margin	UL: Giant Tun, <i>Tonna galea</i>	Tonnidae	Z
		LL: Costate Cockle, <i>Cardium costatum</i>	Cypraeidae	Z
		Bot: Violet Sea-snail, <i>Janthina janthina</i>	Janthinidae	Z
		UR: Limpet, <i>Patella depressa</i>	Patellidae	Z
		LR: Cowry, <i>Luria lurida</i>	Cypraeidae	Z
<b>ANTIGUA</b> <span style="float: right;"><b>2017 August 1</b> (Jellyfish) (MS/5, MS/3, &amp; SS/2)</span>				
3385a	\$5	Pacific Sea Nettle, <i>Chrysaora fuscescens</i>	Pelagiidae	A
3385b	\$5	Moon Jellyfish, <i>Aurelia aurita</i>	Ulmaridae	A
3385c	\$5	Black Sea Nettle, <i>Chrysaora achlyos</i> (blue bkgrd)	Pelagiidae	A
3385d	\$5	Atlantic Sea Nettle, <i>Chrysaora quinquecirrha</i>	Pelagiidae	A
3385e	\$5	Black Sea Nettle, <i>Chrysaora achlyos</i> (dk lilac bkgrd)	Pelagiidae	A
3385	Margin	Bkgrd: U/I Jellyfish in swarm		U Z
3386a	\$7	Blue Bubbler, <i>Catostylus mosaicus</i>	Catostylidae	A
3386b	\$7	Brown Jellyfish, <i>Chrysaora melanaster</i>	Pelagiidae	A
3386c	\$7	Lion's Mane Jellyfish, <i>Cyanea capillata</i>	Cyaneidae	A
3386	Margin	Bkgrd: U/I Jellyfish in swarm		U Z
3387a	SS \$7.50	Barrel Jellyfish, <i>Rhizostoma pulmo</i>	Rhizostomatidae	A
3387b	SS \$7.50	Spotted Jellyfish, <i>Mastigias</i> sp.	Mastigiidae	A
<b>ANTIGUA</b> <span style="float: right;"><b>2018 May 29</b> (Caribbean Reef Octopus) (MS/4 &amp; SS/1)</span>				
3404a	\$6	Caribbean Reef Octopus, <i>Octopus briareus</i>	Octopodidae	A
3404b	\$7	Caribbean Reef Octopus, <i>Octopus briareus</i>	Octopodidae	A
3404c	\$8	Caribbean Reef Octopus, <i>Octopus briareus</i>	Octopodidae	A
3404d	\$9	Caribbean Reef Octopus, <i>Octopus briareus</i>	Octopodidae	A
3404	Margin	Bkgrd: U/I Corals in reef scene		U Z
3405	SS \$10	Caribbean Reef Octopus, <i>Octopus briareus</i>	Octopodidae	A
	Margin	Bkgrd: U/I Corals in reef scene		U Z
<b>ANTIGUA</b> <span style="float: right;"><b>2018 July 25</b> (Corals &amp; Sponges of the Caribbean) (MS/6 &amp; SS/1)</span>				
3411a	\$1	Elkhorn Coral, <i>Acropora palmata</i>	Acroporidae	A
3411b	\$2	Azure Vase Sponge, <i>Callyspongia plicifera</i>	Callyspongiidae	A
3411c	\$3	Giant Barrel Sponge <i>Xestospongia muta</i>	Petrosiidae	A
3411d	\$4	Branching Fire Coral, <i>Millepora alcicornis</i>	Milleporidae	A
3411e	\$5	Staghorn Coral, <i>Acropora cervicornis</i>	Acroporidae	A
3411f	\$6	Branching Vase Sponge, <i>Callyspongia vaginalis</i>	Callyspongiidae	A
3411	Margin	Bot: U/I Corals in reef scene		U Z

**ANTIGUA** (continued)

3412 SS \$10 Pillar Coral, *Dendrogyra cylindrus* Meandrinidae A  
 Margin Bkgrd: U/I Corals in reef scene U Z

**AUSTRALIA****2018 March 1** (Aussie Alphabet Type of 2016) (Set/5 & Bklt/10)

4854 \$1 Stylized Octopus (perf 14¾×14) S B  
 4859 \$1 Stylized Octopus (die cut 11¼) (s/a) S B  
 4859a Bklt/10 (Sc#4859)

**BELGIUM****2018 June 11** (Spirals in Nature) (MS/5)

2858d (€1.30) U/I Nautilus shell (interior) U A  
 2858e (€1.30) Two different U/I Shells (among 18 Spirals in Nature) U B

**CARIBBEAN NETHERLANDS****2018 April 3** (Marine Life) (MS/4) (inscr. "Bonaire")

100a 99c Lettuce Sea Slug, *Elysia crispata* Plakobranchidae A  
 100b 99c Banded Coral Shrimp, *Stenopus hispidus* Stenopodidae A  
 100c 99c U/I Sponge (w/ fish) U A  
 100d 99c Red Lionfish R

**CARIBBEAN NETHERLANDS****2018 April 3** (Marine Life) (MS/4) (inscr. "Saba")

101a 99c Giant Sea Anemone, *Condylactis gigantea* Actiniidae A  
 101b 99c Banded Coral Shrimp, *Stenopus hispidus* Stenopodidae A  
 101c 99c U/I Stony Coral (w/ fish) U A  
 101d 99c Christmas Tree Worm, *Spirobranchus giganteus* Serpulidae A

**CARIBBEAN NETHERLANDS****2018 April 3** (Marine Life) (MS/4) (inscr. "Sint Eustatius")

102a 99c U/I Sponge (w/ fish) U B  
 102b 99c Brain Coral, *Diploria strigosa* Mussidae A  
 102c 99c U/I Gorgonian Order: Alcyonaria U A  
 102d 99c U/I Shrimp on U/I Sea Anemone U B

**CARIBBEAN NETHERLANDS****2018 July 20** (Windsurfing) (MS/8+2 labels)

103 Margin Top & Bot: Stylized Shells & Starfish S Z

**CHRISTMAS ISLAND****2018 November 1** (Christmas) (SS/2, Bklt/5, & Bklt/10)

575a Margin SS/2: Stylized Red Crabs S Z  
 576a Margin Bklt/5: Stylized Red Crabs S Z  
 577a Margin Bklt/10: Stylized Red Crabs S Z

**CUBA****2017 July 5** (World Environment Day) (Set/6 & SS/1)

5959 90c Painted Land Snail, *Polymita picta* Helminthoglyptidae A  
 5960 SS 1p Coral Reef (Guanahacabibes Peninsula Biosphere Reserve) U A

**2017 August 29** (Cuban National Commission on UNESCO) (Vert Pair)

5973a 90c Stylized Land Snail S B

**2017 October 12** (Tourist Attractions) (Set/4)

5983 65c Elkhorn Coral, *Acropora palmata* Acroporidae A

**2017 October 24** (Beaches)

5989 75c U/I Starfishes (on beach) U B

**FRENCH SOUTH. & ANTARCTIC TERR.** **2017 November 9** (Voyage Bklt Type of 1999) (MS/16)

573Ci (€1.24) U/I Lobster (w/ scientist) U B

**GRENADA GRENADINES****2018 March 7** (Jellyfish) (2ea MS/4)

2999a \$5 Cannonball Jellyfish, *Stomolophus meleagris* ♂ Stomolophidae A  
 2999b \$6 Comb Jellyfish, *Beroe cucumis* Beroidae A  
 2999c \$7 Moon Jellyfish, *Aurelia aurita* Ulmaridae A

**GRENADA GRENADINES** (continued)

2999d	\$8	Mangrove Upside-down Jellyfish, <i>Cassiopea xamachana</i>	Cassiopeidae	A
2999	Margin	Bkgrd: U/I Jellyfish		U Z
3000a	\$6	Mauve Jellyfish, <i>Pelagia noctiluca</i>	Pelagiidae	A
3000b	\$7	Box Jellyfish (Sea Wasp), <i>Chironex fleckeri</i> ♂	Chirodropidae	A
3000c	\$8	Atlantic Sea Nettle, <i>Chrysaora quinquecirrha</i> ♂	Pelagiidae	A
3000d	\$9	Portuguese Man-of-war, <i>Physalia physalis</i> ♂	Physaliidae	A
3000	Margin	Bkgrd: U/I Jellyfish		U Z

**HONG KONG****2018 January 27** (New Year 2018: Year of the Dog) (Set/4)

1909	\$5	Dog made of U/I Seashells		U S
------	-----	---------------------------	--	-----

**ICELAND****2018 September 13** (Seabed Ecosystem) (Set/2)

1476	(200k)	a Sponge, <i>Mycale lingua</i>	Mycalidae	A
1477	(250k)	Purple Millipede Sea Cucumber, <i>Laetmogone violacea</i>	Laetmogonidae	A

**JAPAN****2017 June 2** (Summer Greetings) (MS/10) (update)

4116b	62¥	U/I Shells (w/ Ramune bottles)		U B
-------	-----	--------------------------------	--	-----

**2017 November 14** (50th anniv. Dipl. Relations w/ Maldives) (MS/10)

4171f	82¥	U/I Sea Anemone (w/ Anemonefish)		U B
-------	-----	----------------------------------	--	-----

**2018 January 10** (Moomins) (MS/10)

4182f	62¥	Stylized Shell (w/ Snufkin)		U B
-------	-----	-----------------------------	--	-----

**MONGOLIA****2018 September 28** (Together Against Cancer Campaign) (Set/2)

B29	700t+100t	Stylized Crab (as symbol of cancer)		S C
-----	-----------	-------------------------------------	--	-----

**NIUE****2018 September 5** (Map of Niue) (Block/4 & SS/4)

977b	\$1.40	Stylized Shell (w/ Map)		S C
977e		SS/4 (Sc#977a-d)		

**ST. MARTIN****2016 February 10** (Frogs) (SS/1)

140	Margin	LL: U/I Snail		U Z
-----	--------	---------------	--	-----

**ST. MARTIN****2018 July 10** (Ocean Life) (Strip/4)

185a	100c	U/I Corals (w/ sea turtle)		U B
185b	100c	U/I Corals & U/I Starfish (w/ fish)		U C
185c	100c	U/I Corals & U/I Sponges (w/ fish)		U B
185d	100c	U/I Corals (in reef w/ fish)		U B

**CORAL REEF POSTCARD STAMPS**

The United States Postal Service has announced that the four non-denominated (35¢) Coral Reefs postcard-rate stamps will be issued nationwide on 29 March in two formats, a pane of 20 and a roll of 100.

The stamps will have a first-day postmark

reading St. Louis, Missouri, which is where the St. Louis Stamp Expo will take place 29–31 March. The USPS does not plan to hold an official ceremony, but undoubtedly the show will choose to host one.

The stylized artwork by Tyler Land depicts a different type of stony coral and associated reef fish on each stamp: elkhorn coral and French angelfish, brain coral and a spotted moray eel, pillar coral with a coney grouper and neon gobies, and staghorn coral and blue-striped grunts. Art director Kessler designed the stamps.





# ICHTHYOLOGY

Editor

J. Dale Shively, BU1832

## New Listings



Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
<b>ALGERIA</b> <b>2018 May 22</b> (International Day of Biological Diversity) (Single)				
1752	25d	Stylized fish		S B
<b>ANGOLA</b> <b>2018 December 10</b> (Kingfishers) (MS/4)				
1467	300k	U/I fish (in beak of Pied Kingfisher, <i>Ceryle rudis</i> )		U C
<b>2018 December 10</b> (Fish) (MS/4 & SS/1) (ANG18103a&b)				
1504	300k	African Banded Barb, <i>Barbus fasciolatus</i>	Cyprinidae	A
1505	300k	African Butter Catfish, <i>Schilbe mystus</i>	Siluridae	A
1506	300k	Spotted Weever, <i>Trachinus araneus</i>	Trachinidae	A
1507	300k	Upper Zambezi Squeaker, <i>Synodontis woosnami</i> (w/ sea turtle)	Mochokidae	B
1561	SS 1200k	Blackspotted Squeaker, <i>Synodontis nigromaculatus</i>	Mochokidae	A
	Margin	LL & R: African Banded Barb, <i>Barbus fasciolatus</i>	Cyprinidae	Z
<b>ANTIGUA</b> <b>2018 July 25</b> (Scalloped Hammerhead Sharks) (MS/4)				
Each stamp has small U/I fish in background.				
3410a	\$4	Scalloped Hammerhead, <i>Sphyrna lewini</i>	Sphyrnidae	A
3410b	\$5	Same species	Sphyrnidae	A
3410c	\$6	Same species	Sphyrnidae	A
3410d	\$7	Same species	Sphyrnidae	A
3410	Margin	LL: Same species	Sphyrnidae	Z
<b>2018 July 25</b> (Corals & Sponges of the Caribbean) (MS/6)				
3411a	\$1	Yellowhead Wrasse, <i>Halichoeres garnoti</i> (juvenile?)	Labridae	C
3411c	\$3	Bluehead Wrasse, <i>Thalassoma bifasciatum</i> (juvenile?)	Labridae	C
3411d	\$4	Blue Tang, <i>Paracanthurus hepatus</i>	Acanthuridae	C
		Doctorfish, <i>Acanthurus chirurgus</i>	Acanthuridae	C
3411e	\$5	Banded Butterflyfish, <i>Chaetodon striatus</i> (juvenile?)	Chaetodontidae	C
3411	Margin	LL: Lionfish, <i>Pterois</i> sp. ♂ LR: U/I reef fish	Scorpaenidae	U Z U Z
<b>2018 August 28</b> (Birth of Prince Louis of Cambridge) (MS/4)				
3421	Margin	R: Stylized fish (illustration by Beatrix Potter)		S Z
<b>ARUBA</b> <b>2018 August 31</b> (Aspects of Aruban Culture) (Set/4)				
602	420c	U/I fish on plate (typical food)		U
<b>2018 October 31</b> (Pets) (Set/6)				
612	135c	Stylized marine fish (in aquarium)		S
<b>BOTSWANA</b> <b>2018 August 30</b> (Animals) (Single)				
1054	3p	Three-spotted Tilapia, <i>Oreochromis andersonii</i>	Cichlidae	A
		LL: Stylized tilapia silhouette		S
1060a		SS/5 (Sc#1047, 1051–52, 1054, 1060)		



<b>CARIBBEAN NETHERLANDS</b> <b>2018 April 3</b> (Marine Life) (MS/4) (inscr. "Bonaire")				
100c	99c	Bluestreak Cleaner Wrasse, <i>Labroides dimidiatus</i> (in sponge)	Labridae	B
100d	99c	Red Lionfish, <i>Pterois volitans</i> (pectoral fin)	Scorpaenidae	A
<b>2018 April 3</b> (Marine Life) (MS/4) (inscr. "St. Eustatius")				
102a	99c	U/I Grouper (in Azure vase sponge)	Serranidae	U B
<b>CHRISTMAS ISLAND</b> <b>2018 November 1</b> (Christmas) (SS/2)				
574	65c	Stylized fish (w/ Santa on surfboard)		S C
575a	Margin	Bot: Stylized butterflyfish and U/I marine fish		S Z
<b>CUBA</b> <b>2017 October 12</b> (America UPAEP: Tourist Destinations) (Set/4)				
5983	65c	U/I fish (w/ divers at <i>Cienaga de Zapata</i> )		U C
<b>CZECH REPUBLIC</b> <b>2018 June 20</b> (Centenary Czech Postage Stamps) (SS/2+3 labels) (s-o-s)				
3760b	44k	Freshwater Angelfish, <i>Pterophyllum scalare</i> (Sc#3210b) (s-o-s)	Cichlidae	A
<b>DJIBOUTI</b> <b>2018 August 27</b> (Oriental Dwarf Kingfisher, <i>Ceyx erithaca</i> ) (SS/1)				
1563	SS 950fr	R: U/I fish (in beak of Dwarf Kingfisher)		U Z
<b>GREAT BRITAIN (Isle of Man)</b> <b>2018 October 8</b> (Manx Folk Traditions) (Set/6)				
1980	£1.75	Stylized fish ( <i>Quaaltaugh</i> —first person to enter a home on New Year's Day)		S
<b>GUYANA</b> <b>2018 August 5</b> (Fish) (MS/4 & SS/1)				
4571a	\$250	Atlantic Sailfish, <i>Istiophorus albicans</i>	Istiophoridae	A
4571b	\$350	Blackfin Tuna, <i>Thunnus atlanticus</i>	Scombridae	A
4571c	\$450	Atlantic Bluefin Tuna, <i>Thunnus thynnus</i>	Scombridae	A
4571d	\$550	Common Dolphin, <i>Coryphaena hippurus</i>	Coryphaenidae	A
4572	SS \$850	(Atlantic) Blue Marlin, <i>Makaira nigricans</i>	Istiophoridae	A
<b>HONG KONG</b> <b>2018 September 17</b> (Express Rail Link) (Set/4 & SS/4)				
1955	\$3.70	Stylized fish		S C
1957a		SS/4 (Sc#1954–57)		
<b>ICELAND</b> <b>2018 September 13</b> (Fish) (Single)				
1473	225k	Atlantic Mackerel, <i>Scomber scombrus</i>	Scombridae	B
		Capelin (Smelt), <i>Mallotus villosus</i>	Osmeridae	B
<b>IRELAND</b> <b>2018 September 6</b> (Scientific Discoveries) (Block/4 & Bklt/3)				
2199	€1	Atlantic Mackerel, <i>Scomber scombrus</i> (back/dorsal fin)	Scombridae	B
2199a		Bklt/3 (Sc#2199)		
2201b		Block/4 (Sc#2198–2201)		
<b>JAPAN</b> <b>2017 October 24</b> (Rice Balls & Sushi) (Bklt/10)				
4162e	82¥	Sardine sp. (w/ rice ball)	Clupeidae	U C
<b>2017 November 1</b> (Japanese Foods) (Horiz Pair)				
4164	18¥	<i>Taiyaki</i> (fish-shaped bean paste cake)		R
<b>2017 November 14</b> (50th anniv. Relations w/ Maldives Islands) (MS/10)				
4171f	82¥	Maldivian Anemonefish, <i>Amphiprion nigripes</i>	Pomacentridae	A
4171g	82¥	Giant Manta (ray), <i>Mobula birostris</i>	Myliobatidae	A
<b>2017 December 20</b> ( <i>Where's the Fish</i> Book Illustrations) (MS/10)				
4179a–j	82¥	Various stylized fish (book illustrations)		S
<b>MAURITIUS</b> <b>2018 July 23</b> (Art & Science) (Set/2)				
1184	33r	Blacklip Damsel, <i>Pomacentrus pikei</i>	Pomacentridae	A
<b>NEW ZEALAND</b> <b>2018 September 5</b> (Innovations by New Zealanders) (MS/12 + label)				
2818f	\$1.20	Stylized fish (w/ boat wheel)		S

**NIUE****2018 September 5** (Map of Niue) (Block/4 & SS/4)

977a–d	30c–\$4	Various stylized fish			S
977e		SS/4 (Sc#977a–d)			

**ST. MARTIN****2016 July 20** (Ocean Life) (Strip/4)

185a	100c	UR: Queen Angelfish, <i>Holacanthus ciliaris</i> LR: Scrawled Butterflyfish, <i>Chaetodon meyeri</i> Bkgrd: U/I reef fish	Pomacanthidae Chaetodontidae	C C UC
185b	100c	LL: Regal Angelfish, <i>Pygoplites diacanthus</i> Bot: Orange-lined Triggerfish, <i>Balistapus undulatus</i> Bkgrd: U/I reef fish	Pomacentridae Balistidae	B B UC
185c	100c	LR: Foureye Butterflyfish, <i>Chaetodon capistratus</i> LL: Stoplight Parrotfish, <i>Sparisoma viride</i> UL: Bluestriped Grunt, <i>Haemulon sciurus</i> Bkgrd: U/I reef fish	Chaetodontidae Scaridae Haemulidae	B B B UC
185d	100c	Porkfish, <i>Anisotremus virginicus</i> Bluehead (Wrasse), <i>Thalassoma bifasciatum</i> Bkgrd: U/I reef fish	Haemulidae Labridae	B B UC

**AQUATIC LIFE ISSUE**

On 24 January 2019, the Chunghwa Post (Taiwan) issued a set of four special stamps, the first of a series depicting Aquatic Life. These stamps feature Chinese goldfish.

The stamps measure 40×30 mm and each were issued in sheets of 20. The designer was Jheng Yi-lang. They were printed using offset on phosphorescent stamp paper by the Central Engraving and Printing Plant.

Goldfish come from China, arising from a mutation of Crucian Carp (*Carassius carassius*). Raising goldfish is considered good luck because a common expression for wealth—“gold and jade fill the hall”—sounds like “goldfish fill the hall.”

The stamps portray the following varieties:

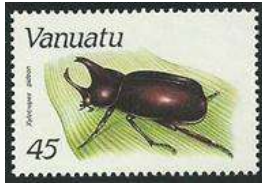


**Red Swallow-tail (NT\$6):** In Japan and the west, this fish is known as the “comet,” but in Taiwan it is known as the “red swallow-tail.” With a single long and flowing caudal fin, it has a shape resembling the tail of a swallow—hence its name.

**Ryukin (NT\$6):** Its Chinese characters are a homonym for “keeping gold,” suggesting a sense of holding on to wealth and abundance. This fish has a pronounced hump on its back, an egg-shaped body, a small triangular head, a large dorsal fin and two caudal fins. It is highly adaptive and easy to care for.

**Dragon Eye (NT\$12):** The “dragon eye” or “telescope” goldfish has protruding round eyeballs—its most salient feature—which resemble dragon’s eyes. It has a dorsal fin and typically three or four caudal fins.

**Goose Head Pearl Scale (NT\$28):** The “goose head” or “crown” pearl scale goldfish has large and bright scales, having a pearl-like appearance. It swims gracefully through the water with a smoothly curving body, and it has a prominent head growth, known as a “hood,” that makes it resemble a goose—hence its name. Commonly seen varieties have both one and two hoods.



# ENTOMOLOGY

Editor

Donald P. Wright, Jr., BU243  
and José Reis, BU1889



## New Listings

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
<b>AITUTAKI</b> <b>2018 March 19</b> (Happy Easter) (MS/4)				
d	\$2.40	Stylized butterfly silhouettes	Lepidoptera	S C
<b>ANGOLA</b> <b>2018 December 10</b> (Butterflies) (MS/4 & SS/1) (ANG18110a&b)				
Jose Reis in Angola questioned the Angolan Postal authorities about these Stamperija issues. They were authorized by someone there, but not authorized by someone else. Thus, there is some question about the validity of these issues. He is following up on this.				
1500	300k	Green Swallowtail, <i>Papilio phorcas</i> ssp. <i>congoanus</i> Rothschild	PAP, Papilioninae	A
1501	300k	Large Fairy Hairstreak, <i>Hypolycaena antifaunus</i> Westwood	LYC, Theclinae	A
1502	300k	Lesser Blue Charaxes, <i>Charaxes numenes</i> Hewitson	NYM, Charaxinae	A
1503	300k	Green Charaxes, <i>Charaxes eupale</i> Drury	NYM, Charaxinae	A
1560	SS 1200k	Golden Pansy, <i>Junonia sophia</i> Fabr.	NYM, Nymphalinae	A
	Margin	UL: Large Fairy Hairstreak, <i>Hypolycaena antifaunus</i> Westwood	LYC, Theclinae	Z
		LL: Lesser Blue Charaxes, <i>Charaxes numenes</i> Hewitson	NYM, Charaxinae	Z
		UR: Protea Scarlet, <i>Capys alphaeus</i> Cramer	LYC, Theclinae	Z
		LR: Shining Red Charaxes, <i>Charaxes zingha</i> Stoll	NYM, Charaxinae	Z
<b>2018 December 10</b> (Bee-eaters) (MS/4 & SS/1) (ANG18115a&b)				
1468	300k	U/I Longhorn Grasshopper (in bird's beak)	Tettigoniidae	U C
1552	SS 1200k	U/I insect (in bird's beak)		U C
<b>2018 December 10</b> (Cuckoos) (MS/4 & SS/1) (ANG18121a&b)				
N/A	300k	U/I Caterpillar (in <i>Chrysococcyx klaas</i> bird's beak)	Lepidoptera	U C
N/A	SS 1200k	R: U/I Caterpillar (in bird's beak)	Lepidoptera	U Z
<b>AUSTRIA</b> <b>2018 September 15</b> (Year of Noctuidae)				
N/A	N/A	Pease Blossom Moth, <i>Periphanes delphinii</i> L.	NOC, Heliethinae	A
N/A	N/A	Scarce Merveille du Jour, <i>Moma alpium</i> Osbeck	NOC, Acronictinae	A
<b>BELGIUM</b> <b>2018 June 11</b> (Youth Philately) (Single)				
2856	(€1.52)	Stylized Butterfly	Lepidoptera	S B
<b>2018 August 27</b> (Dragonflies) (MS/5) (corrections)				
2870a	(€1.68)	Blue Darner, <i>Aeshna cyanea</i> Müller	AES, Aeshninae	A
2870b	(€1.68)	Banded Agrion, <i>Calopteryx splendens</i> Harris	CAL, Calopteryginae	A
2870c	(€1.68)	Blue-Tailed Damselfly, <i>Ischnura elegans</i> Vander Linden	COE, Ischnurinae	A
2870d	(€1.68)	Broad-Bodied Chaser, <i>Libellula depressa</i> L.	LIB, Libellulinae	A
2870e	(€1.68)	Ruddy Darter, <i>Sympetrum sanguineum</i> Müller	LIB, Sympetrinae	A
	Margin	Top: U/I Dragonfly	Libellulidae	U Z
<b>CHINA (People's Republic)</b> <b>2018 May 19</b> (Relics of the Silk Road) (Set/4)				
4534	\$1.20	Silkworm, <i>Bombyx mori</i> L. (bronze figurine of a silkworm)	Bombycidae	S A
<b>CUBA</b> <b>2018 December 12</b> (UPAEP Farm Life) (Set/4)				
N/A	65c	Western Honeybee, <i>Apis mellifera</i> L. (w/ beekeeper & hives)	API, Apinae	B

<b>DJIBOUTI</b>		<b>2018 August 27</b> (Butterflies) (MS/4 & SS/1) (DJB18512a&b)		
1548a	240fr	Eastern Tiger Swallowtail, <i>Papilio glaucus</i> L.	PAP, Papilioninae	A
1548b	240fr	American Lady, <i>Vanessa virginiensis</i> Drury	NYM, Nymphalinae	A
1548c	240fr	Common Rose Butterfly, <i>Atrophaneura aristolochiae</i> Fabr.	PAP, Papilioninae	A
1548d	240fr	Peacock, <i>Nymphalis io</i> L.	NYM, Nymphalinae	A
1565	SS 950fr	Common Birdwing, <i>Troides helena</i> L. ♂	PAP, Papilioninae	A
	Margin	Top: Same species (larva & two chrysalides)	PAP, Papilioninae	Z
		UR: Same species ♀	PAP, Papilioninae	Z
		Bot: Same species ♂	PAP, Papilioninae	Z
		<b>2018 December 13</b> (Endangered Species) (MS/4) (DJB18616a)		
c	240fr	Cloud Copper, <i>Aloeides nubilus</i> Henning & Henning	LYC, Theclinae	A
<b>GRENADA</b>		<b>2018 December 5</b> (Beautiful Butterflies) (MS/4)		
N/A	\$4	Blue Hookwing, <i>Napeocles jucunda</i> Hübner	NYM, Nymphalinae	A
N/A	\$5	Blue Castnia, <i>Castnia papilionaris</i> Walker	CAS, Castniinae	A
N/A	\$6	Banded Blue Morpho, <i>Morpho achilles</i> ssp. <i>patroclus</i> C&R Felder	NYM, Morphinae	A
N/A	\$7	White-Tailed Page, <i>Urania leilus</i> L.	URA, Uraniinae	A
<b>GRENADA GRENADINES</b>		<b>2018 December 5</b> (Butterflies) (MS/4)		
N/A	\$5	Uncertain Owlet, <i>Bia actorion</i> L.	NYM, Morphinae	A
N/A	\$6	Cotyto Clearwing, <i>Pteronymia cotyto</i> Guérin-Ménéville	NYM, Danainae	A
N/A	\$6	Spatiosa Skipper, <i>Yanguna spatiosa</i> Hewitson	HES, Pyrginae	A
N/A	\$5	Montezuma's Cattleheart, <i>Parides montezuma</i> Westwood	PAP, Papilioninae	A
	Margin	LR: U/I Hawkmoth	Sphingidae	U Z
<b>GUYANA</b>		<b>2018 July 28</b> (Planetary Nebulae) (MS/6)		
4568e	\$300	"Butterfly Nebula" (so called because it looks like a butterfly)		R
<b>HONG KONG</b>		<b>2018 January 27</b> (Year of the Dog) (SS/2)		
1912	SS \$50	Printed on silk from Silkworm, <i>Bombyx mori</i> L.,	Bombycidae	R
		<b>2018 October 9</b> (Cantonese Opera Scenes) (Set/6)		
1963	\$4.90	Actor in Butterfly costume (from <i>Butterfly Lovers</i> opera)		S A
<b>JAPAN</b>		<b>2018 January 23</b> (Traditional Designs) (MS/10)		
4184c	62¥	Stylized Butterflies	PAP, Papilioninae	S B
4184		MS/10 (2ea Sc#4184a-e)		
<b>KYRGYZSTAN</b>		It appears that Kyrgyzstan is unique in that it has two official postal services, both now recognized by the Kyrgyz government and by the Universal Postal Union. The postage stamps of both services are valid internally and internationally for all postal services. Both the State Enterprise Kyrgyz Post and the Kyrgyz Express Post (KEP), are self-financing companies. KEP has been operating since March 2012 and was designated by the government as the second postal operator for Kyrgyzstan in December 2012. It was recognized as such by the UPU in May 2013. Its first postage stamps were issued in 2014.		
<b>LIECHTENSTEIN</b>		<b>2019 March 4</b> (Dragonflies) (Set/4) (dated 2017)		
N/A	85c	Beautiful Demoiselle, <i>Calopteryx virgo</i> L.	CAL, Calopteryginae	A
N/A	1fr	Emperor Dragonfly, <i>Anax imperator</i> Leach	AES, Aeshninae	A
N/A	1.80fr	Large Red Damselfly, <i>Pyrrosoma nymphula</i> Sulzer	COE, Coenagrioninae	A
N/A	2.60fr	Banded Demoiselle, <i>Calopteryx splendens</i> Harris	CAL, Calopteryginae	A
<b>MEXICO</b>		<b>2018 June 14</b> (Mexico-Colombia Year) (Pair) (corrected data)		
a	15p	Monarch, <i>Danaus plexippus</i> L.,	NYM, Danainae	A
b	15p	Common Morpho, <i>Morpho helenor peleides</i> Kollar	NYM, Morphinae	A

<b>NEVIS</b>		<b>2018 December 5</b> (Beautiful Butterflies) (MS/3 & SS/2)		
N/A	\$4	Jamaican Ringlet, <i>Calisto zangis</i> Fabr.	NYM, Satyrinae	A
N/A	\$5	Red-Splashed Sulfur, <i>Phoebis avellaneda</i> Herrich-Schäffer	PIE, Coliadinae	A
N/A	\$6	Poey's Black Swallowtail, <i>Papilio caiguanabus</i> Poey	PAP, Papilioninae	A
N/A	SS \$7	Cuban Mimic, <i>Dismorphia cubana</i> Herrich-Schäffer	PIE, Dismorphiinae	A
N/A	SS \$8	Gundlach's Swallowtail, <i>Parides gundlachianus</i> C&R Felder	PAP, Papilioninae	A
<b>PENRHYN ISLAND</b>		<b>2018 March 19</b> (Happy Easter) (MS/4)		
d	\$2.40	Stylized butterfly silhouette	Lepidoptera	S C
<b>ST. VINCENT</b>		<b>2019 January 15</b> (Butterflies of the Caribbean) (MS/4)		
N/A	\$5	Hewitson's Blue Hairstreak, <i>Evenus coronata</i> Hewitson	LYC, Theclinae	A
N/A	\$6	Godart's Numberwing, <i>Callicore pygas</i> Godart	NYM, Biblidinae	A
N/A	\$6	Green-Celled Cattleheart, <i>Parides childrenae</i> Gray	PAP, Papilioninae	A
N/A	\$5	Loruhama Eye-Mark, <i>Mesosemia loruhama</i> Hewitson	RIO, Riodininae	A
<b>ST. VINCENT GRENADINES (Bequia)</b>		<b>2019 January 15</b> (Butterflies of the Caribbean) (MS/4)		
N/A	\$4	Ghost Brimstone, <i>Anteos clorinde</i> Godart	PIE, Coliadinae	A
N/A	\$6	Cramer's Swallowtail, <i>Battus lycidas</i> Cramer	PAP, Papilioninae	A
N/A	\$6	Doris Longwing, <i>Laparus doris</i> L.	NYM, Heliconiinae	A
N/A	\$7	Jamaican Swallowtail, <i>Papilio homerus</i> Fabr.	PAP, Papilioninae	A
<b>ST. VINCENT GRENADINES (Mayreau)</b>		<b>2019 January 15</b> (Butterflies of the Caribbean) (MS/4)		
N/A	\$4	Tailed Orange, <i>Eurema proterpia</i> Fabr.	PIE, Coliadinae	A
N/A	\$5	Fripped Yellow, <i>Catasticta manco</i> Doubleday	PIE, Pierinae	A
N/A	\$6	Klug's Clearwing, <i>Dircenna klugii</i> Geyer	NYM, Danainae	A
N/A	\$7	Tiger Pierid, <i>Dismorphia amphione</i> Cramer	PIE, Dismorphiinae	A
	Margin	UL: Malachite, <i>Siproeta stelenes</i> L.	NYM, Nymphalinae	Z
		LL: Flambeau, <i>Dryas iulia</i> Fabr.	NYM, Heliconiinae	Z
<b>ST. VINCENT GRENADINES (Union Island)</b>		<b>2019 January 15</b> (Butterflies of the Caribbean) (MS/4)		
N/A	\$5	Small Flambeau, <i>Eueides aliphera</i> Godart	NYM, Heliconiinae	A
N/A	\$6	<i>Blepolenis batea</i> Hübner	NYM, Morphinae	A
N/A	\$5	Double-Spotted Owl, <i>Eryphanis aesacus</i> Herrich-Schäffer	NYM, Morphinae	A
N/A	\$6	White-Barred Longwing, <i>Heliconius cydno</i> Doubleday & Hew.	NYM, Heliconiinae	A
<b>TONGA</b>		<b>2018 March 15</b> (Happy Easter) (MS/4)		
a	\$2.25	Stylized butterfly silhouette	Lepidoptera	S C
		<b>2019 February 8</b> (Animals of the World) (Set/4)		
N/A	\$5	Derby's Flower Beetle, <i>Dicronorhina derbyana</i> Westwood ♂	SCA, Cetoniinae	A
<b>UKRAINE</b>		<b>2018 November 30</b> (Biodiversity) (MS/6)		
a	700h	European Stag Beetle, <i>Lucanus cervus</i> L.	LUC, Lucaninae	A
<b>UNITED STATES</b>		<b>2019 January 27</b> (Butterfly) (Single)		
N/A	(70c)	California Dogface, <i>Zerene cesonia</i> Boisduval	PIE, Coliadinae	A
<b>UZBEKISTAN</b>		<b>2018 November 23</b> (Fauna of Uzbekistan) (Set/4)		
N/A	900s	Seven-Spotted Ladybird, <i>Coccinella septempunctata</i> L.	COC, Coccinellinae	A
<b>ZIMBABWE</b>		<b>2018 October 15</b> (Ladybirds of Zimbabwe) (Set/4)		
N/A	40c	Seven-Spotted Ladybird, <i>Coccinella septempunctata</i> L.	COC, Coccinellinae	A
N/A	75c	Black & Yellow Spotted Ladybird (w/ aphid)	Coccinellidae	U A
N/A	85c	Twenty-Spot Ladybird, <i>Psyllobora vigintimaculata</i> Say	COC, Coccinellinae	A
N/A	\$1	Asian Lady Beetle, <i>Harmonia axyridis</i> Pallas	COC, Epilachninae	A

**Beyond the Catalog**  
(Issues of dubious validity)

The Azerbaijan government has declared the following two issues to be “Fake.”

<b>AZERBAIJAN</b>		<b>2017 April 24</b> (Butterflies) (MS/6) (AZRB17211a)		
a	60g	Small or Alpine Apollo, <i>Parnassius phoebus</i> Fabr.	PAP, Papilioninae	A
b	60g	Aegina Number-Wing, <i>Callicore lyca</i> Doubleday	NYM, Biblidinae	A
c	60g	Hewitson’s Blue Hairstreak, <i>Evenus coronata</i> Hewitson	LYC, Theclinae	A
d	60g	<i>Mylothris croceus</i> Butler	PIE, Pierinae	A
e	60g	Atlas Moth, <i>Attacus atlas</i> L.	SAT, Saturniinae	A
f	60g	Purple or Violet Tip, <i>Colotis ione</i> Godart	PIE, Pierinae	A
	Margin	Ctr: Caucasian Dart, <i>Telicota</i> sp.	HES, Hesperinae	Z
		<b>2017 April 24</b> (Butterflies) (MS/4) (AZRB17220a)		
a	60g	False Tiger Moth, <i>Dysphania militaris</i> L.	GEO, Geometrinae	A
b	60g	Eastern Tiger Swallowtail, <i>Papilio glaucus</i> L.	PAP, Papilioninae	A
c	60g	Question Mark, <i>Nymphalis interrogationis</i> Fabr.	NYM, Nymphalinae	A
d	60g	Blue Pansy, <i>Junonia orithya</i> L.	NYM, Nymphalinae	A
	Margin	Bkgrd: Common Buckeye, <i>Junonia coenia</i> Hübner	NYM, Nymphalinae	Z
<b>CENTRAL AFRICA</b>		<b>2018 December 20</b> (Mushrooms) (MS/4 & SS/1) (CA18902a&b)		
a	850fr	Common Scorpionfly, <i>Panorpa communis</i> L.	PAN, Panorpiniae	B
b	850fr	Rusty-Tipped Page, <i>Siproeta epaphus</i> Latreille	NYM, Nymphalinae	B
c	850fr	Crimson Rose Butterfly, <i>Atrophaneura hector</i> L.	PAP, Papilioninae	B
d	850fr	Eastern Tiger Swallowtail, <i>Papilio glaucus</i> L.	PAP, Papilioninae	B
N/A	SS 3300fr	German Wasp, <i>Vespula germanica</i> L.	VES, Vespinae	B
	Margin	R: Crimson Rose Butterfly, <i>Atrophaneura hector</i> L.	PAP, Papilioninae	Z
		<b>2018 December 20</b> (Butterflies) (MS/4 & SS/1) (CA18906a&b)		
a	850fr	Chiricahua Pine White, <i>Neophasia terlooii</i> Behr	PIE, Pierinae	A
b	850fr	Red Flasher, <i>Panacea prola</i> Doubleday & Hewitson	NYM, Limenitidinae	A
c	850fr	Queen, <i>Danaus gilippus</i> Cramer	NYM, Danainae	A
d	850fr	Common Morpho, <i>Morpho deidamia</i> Hübner	NYM, Morphinae	A
N/A	SS 3300fr	Orange Mimic-Swallowtail, <i>Papilio zagreus</i> Doubleday	PAP, Papilioninae	A
	Margin	UR: Queen, <i>Danaus gilippus</i> Cramer	NYM, Danainae	Z
		LR: Red Flasher, <i>Panacea prola</i> Doubleday & Hewitson	NYM, Limenitidinae	Z
		<b>2019 January 16</b> (Butterflies) (MS/4 & SS/1) (CA190109a&b)		
a	900fr	Pausanias Swallowtail, <i>Mimoides pausanias</i> Hewitson	PAP, Papilioninae	A
b	900fr	Pipevine Swallowtail, <i>Battus philenor</i> L.	PAP, Papilioninae	A
c	900fr	Cordilleran Mimic-White, <i>Patia cordillera</i> C&R Felder	PIE, Dismorphiinae	A
d	900fr	<i>Entheus lemna</i> Butler	HES, Pyrginae	A
N/A	SS 3600fr	Serville Swallowtail, <i>Eurytides serville</i> Godart	PAP, Papilioninae	A
	Margin	Top: <i>Entheus lemna</i> Butler	HES, Pyrginae	Z
		LR: Pausanias Swallowtail, <i>Mimoides pausanias</i> Hewitson	PAP, Papilioninae	Z
		<b>2019 January 16</b> (Mushrooms) ((MS/4 & SS1) (CA190111a&b)		
c	900fr	Old World Swallowtail, <i>Papilio machaon</i> L.	PAP, Papilioninae	B
d	900fr	Meadow Grasshopper, <i>Chorthippus parallelus</i> Zetterstedt	ACR, Gomphocerinae	B
N/A	SS 3600fr	Amanda’s Blue, <i>Polyommatus amandus</i> Schneider	LYC, Polyommatinae	B
	Margin	Top: Old World Swallowtail, <i>Papilio machaon</i> L.	PAP, Papilioninae	Z
		<b>2019 January 16</b> (Scouts) (MS/4) (CA19,0112a)		
a	850fr	Sapho Longwing, <i>Heliconius sapho</i> Drury	NYM, Heliconiinae	B
d	850fr	Khao Stick Insect, <i>Phaenopharos khaoyaiensis</i> Zompro	Diapheromeridae, Necroschiinae	B

**THE GAMBIA****2018 December 19** (Butterflies) (4ea MS/4) (round)

a	80d	Fabulous Green Sphinx Moth, <i>Tinostoma smaragditis</i> Meyrick	SPH, Macroglossinae	A
b	80d	Madagascan Sunset Moth, <i>Chrysidia rhipheus</i> Drury	URA, Uraniinae	A
c	120d	Narrow Blue-Banded Swallowtail, <i>Papilio nireus</i> L.	PAP, Papilioninae	A
d	120d	Erlanger's Dotted Border, <i>Mylothris erlangeri</i> Pagenstecher	PIE, Pierinae	A
a	50d	Figtree Blue, <i>Myrina silenus</i> Fabr.	LYC, Theclinae	A
b	75d	Blue Mother of Pearl, <i>Salamis temora</i> C&R Felder	NYM, Nymphalinae	A
c	100d	Christmas Swallowtail, <i>Papilio demodocus</i> Esper	PAP, Papilioninae	A
d	125d	Beautiful Tiger Moth, <i>Amphicallia bellatrix</i> Dalman	ARC, Arctiinae	A
a	50d	Striped Policeman, <i>Coeliades forestan</i> Stoll	HES, Coeliadinae	A
b	120d	Club-Tailed Emperor, <i>Charaxes zoolina</i> Westwood	NYM, Charaxinae	A
c	150d	Madagascar Diadem, <i>Hypolimnas dexthea</i> Hewitson	NYM, Nymphalinae	A
d	200d	Plain Tiger, <i>Danaus chrysippus</i> ssp. <i>chrysippus</i> L.	NYM, Danainae	A
a	100d	Yellow Patch White, <i>Colotis halimede</i> Klug	PIE, Pierinae	A
b	100d	Wandering Donkey Acraea, <i>Acraea neobule</i> Doubleday	NYM, Heliconiinae	A
c	100d	Pearl Emperor, <i>Charaxes varanes</i> Cramer	NYM, Charaxinae	A
d	100d	African Map, <i>Cyrestis camillus</i> Fabr.	NYM, Cyrestinae	A

**GUINEA****2018 October 23** (Bees) (MS/4 & SS/1) (GU18504a&b)

a	12500fr	Alkali Bee, <i>Nomia melanderi</i> Cockerell (w/ entomologist Theodore Dru Alison Cockerell)	HAL, Nomiinae	B
b	12500fr	<i>Euglossa bazinga</i> Nemesio & Ferrari	API, Apinae	A
c	12500fr	Wallace's Giant Bee, <i>Megachile pluto</i> B. Smith (world's largest living bee)	MEG, Megachilinae	A
d	12500fr	Blue-Banded Bee, <i>Amegilla cingulata</i> Fabr.	API, Apinae	A
N/A	SS 50000fr	Western Honeybee, <i>Apis mellifera</i> L. (w/ entomologist Karl von Frisch)	API, Apinae	B
	Margin	Top: Alkali Bee, <i>Nomia melanderi</i> Cockerell	HAL, Nomiinae	Z
		R: <i>Euglossa bazinga</i> Nemesio & Ferrari	API, Apinae	Z

**2018 October 23** (Mushrooms) (MS/4 & SS/1) (GU18524a&b)

a	12500fr	White-Letter Hairstreak, <i>Satyrium w-album</i> Knoch	LYC, Theclinae	B
d	12500fr	Sierra Nevada Blue, <i>Agriades podarce</i> C&R Felder (Cap: <i>Plebejus podarce</i> )	LYC, Polyommatae	B
N/A	SS 50000fr	Margin R: White-Letter Hairsreak, <i>Satyrium w-album</i> Knoch	LYC, Theclinae	Z

**2018 October 23** (Butterflies) (MS/4 & SS/1) (GU18525a&b)

a	12500fr	Blue Morpho, <i>Morpho menelaus didius</i> Hopffer	NYM, Morphinae	A
b	12500fr	Monarch, <i>Danaus plexippus</i> L. ♂	NYM, Danainae	A
c	12500fr	Chimaera Birdwing, <i>Troides chimaera</i> Rothschild	PAP, Papilioninae	A
d	12500fr	Luzon Peacock, <i>Papilio chikae</i> Igarashi	PAP, Papilioninae	A
N/A	SS 50000fr	Widespread Forester, <i>Euphaedra medon</i> L.	NYM, Limenitidinae	A
	Margin	Ctr: Monarch, <i>Danaus plexippus</i> L. ♂	NYM, Danainae	Z
		LR: Blue Morpho, <i>Morpho menelaus</i> ssp. <i>didius</i> Hopffer	NYM, Morphinae	Z

**2018 August 8** (Scouts) (MS/4) (GU18320a)

d	12500fr	Common Blue-Banded Forester, <i>Euphaedra harpalyce</i> Cramer	NYM, Limenitidinae	B
---	---------	----------------------------------------------------------------	--------------------	---

**GUINEA-BISSAU****2018 October 15** (Butterflies) (MS/5 & SS/1) (GB18905a&b)

a	640fr	Purple Emperor, <i>Apatura iris</i> L.	NYM, Apaturinae	A
b	640fr	Gulf Fritillary, <i>Agraulis vanillae</i> L.	NYM, Heliconiinae	A
c	640fr	<i>Semomesia capanea</i> Cramer ♂	RIO, Riordininae	A
d	640fr	Corsican Swallowtail, <i>Papilio hospiton</i> Guenée	PAP, Papilioninae	A
e	640fr	Little Commodore, <i>Junonia sophia</i> ssp. <i>infracta</i> Butler	NYM, Nymphalinae	A
	Margin	LL: Green-Spotted Swallowtail, <i>Graphium tynderaeus</i> Fabr.	PAP, Papilioninae	Z

**GUINEA-BISSAU** (continued)

N/A	SS 3300fr	Green-Spotted Swallowtail, <i>Graphium tynderaeus</i> Fabr.	PAP, Papilioninae	A
	Margin	LL: Purple Emperor, <i>Apatura iris</i> L.	NYM, Apaturinae	Z
		R: Gulf Fritillary, <i>Agraulis vanillae</i> L.	NYM, Heliconiinae	Z

**2018 October 15** (Mushrooms) (MS/5 & SS/1) (GB18906a&b)

a	640fr	Cicada Killer Wasp, <i>Sphecius speciosus</i> Drury	CRA, Bembicinae	A
b	640fr	Eastern Cucurbit Bee, <i>Peponapis pruinosa</i> Say	API, Apinae	A
c	640fr	Bog Bush Cricket, <i>Metrioptera brachyptera</i> L.	TET, Tettigoniinae	A
d	640fr	Emperor Dragonfly, <i>Anax imperator</i> Leach,	AES, Aeshninae	A
e	640fr	Blue Metalmark, <i>Lasaia sula</i> Staudinger	RIO, Riodininae	A
	Margin	LL: <i>Scarabaeus viettei</i> Paulian	SCA, Scarabaeinae	Z
N/A	SS 3300fr	<i>Scarabaeus viettei</i> Paulian (= <i>Madateuchus</i> of some)	SCA, Scarabaeinae	A
	Margin	LL: Blue Metalmark, <i>Lasaia sula</i> Staudinger	RIO, Riodininae	Z
		R: Bog Bush Cricket, <i>Metrioptera brachyptera</i> L.	TET, Tettigoniinae	Z

**2018 November 12** (Butterflies & Kingfishers) (MS/5 & SS/1)

a	640fr	Small Tortoiseshell, <i>Nymphalis urticae</i> L.	NYM, Nymphalinae	B
b	640fr	Old World Swallowtail, <i>Papilio machaon</i> L.	PAP, Papilioninae	B
c	640fr	Blue Diadem, <i>Hypolimnna salmactis</i> Drury	NYM, Nymphalinae	B
d	640fr	Southern Monarch, <i>Danaus erippus</i> Cramer	NYM, Danainae	B
e	640fr	Common Buckeye, <i>Junonia coenia</i> Hübner	NYM, Nymphalinae	B
	Margin	Top: Small Copper, <i>Lycaena phlaeas</i> L.	LYC, Lycaeninae	Z
N/A	SS 3300fr	Small Copper, <i>Lycaena phlaeas</i> L.	LYC, Lycaeninae	B
	Margin	Ctr: Southern Monarch, <i>Danaus erippus</i> Cramer	NYM, Danainae	Z

**2018 November 12** (Bees) (MS/5 & SS/1) (GB181006a&b)

a	640fr	Western Honeybee, <i>Apis mellifera</i> L.	API, Apinae	A
b	640fr	Violet Carpenter Bee, <i>Xylocopa violacea</i> L.	API, Xylocopinae	A
c	640fr	Buff-Tailed Bumblebee, <i>Bombus terrestris</i> L.	API, Apinae	A
d	640fr	Southern Bronze Furrow Bee, <i>Halictus confusus</i> Smith	HAL, Halictinae	A
e	640fr	White-Tailed Bumblebee, <i>Bombus lucorum</i> L.	API, Apinae	A
	Margin	Top: Great Banded Furrow Bee, <i>Halictus scabiosae</i> Rossi	HAL, Halictinae	Z
N/A	SS 3300fr	Great Banded Furrow Bee, <i>Halictus scabiosae</i> Rossi	HAL, Halictinae	A
	Margin	Top: Western Honeybee, <i>Apis mellifera</i> L.	API, Apinae	Z
		Ctr: White-Tailed Bumblebee, <i>Bombus lucorum</i> L.	API, Apinae	Z
		LR: Buff-Tailed Bumblebee, <i>Bombus terrestris</i> L.	API, Apinae	Z

**2018 November 12** (Butterflies) (MS/5 & SS/1) (GB181010a&b)

a	640fr	Zebra Swallowtail, <i>Protographium marcellus</i> Cramer	PAP, Papilioninae	A
b	640fr	Southern Dogface, <i>Zerene cesonia</i> Stoll	PIE, Coliadinae	A
c	640fr	Northern Pearly-Eye, <i>Enodia anhedon</i> Clark	NYM, Satyrinae	A
d	640fr	Mazarine Blue, <i>Polyommatus semiargus</i> Rottemburg	LYC, Polyommatinae	A
e	640fr	Mourning Cloak, <i>Nymphalis antiopa</i> L.	NYM, Nymphalinae	A
	Margin	Top: Milbert's Tortoiseshell, <i>Nymphalis milberti</i> Godart	NYM, Nymphalinae	Z
N/A	SS 3300fr	Milbert's Tortoiseshell, <i>Nymphalis milberti</i> Godart	NYM, Nymphalinae	A
	Margin	R: Zebra Swallowtail, <i>Protographium marcellus</i> Cramer	PAP, Papilioninae	Z

**2018 December 17** (Mushrooms) ((MS/5 & SS/1) (GB181105a&b)

a	640fr	Lesser Spotted Fritillary, <i>Melitaea trivia</i> Schiffermüller	NYM, Nymphalinae	B
d	640fr	Apollo, <i>Parnassius apollo</i> L.	PAP, Parnassiinae	B
N/A	SS 3300fr	LR: Lesser Spotted Fritillary, <i>Melitaea trivia</i> Schiffermüller	NYM, Nymphalinae	Z
		UR: Apollo, <i>Parnassius apollo</i> L.	PAP, Parnassiinae	Z



<b>MALDIVE ISLANDS</b>		<b>2018 October 4</b> (Butterflies & Flowers) (MS/4 & SS/1) (MLD181004a&b)		
a	22r	Constable, <i>Dichorragia nesimachus</i> Doyere	NYM, Cyrestinae	B
b	22r	Regent Skipper, <i>Euschemon rafflesia</i> Macleay	HES, Pyrginae	B
c	22r	Bhutan Glory, <i>Bhutanitis lidderdalii</i> Atkinson	PAP, Parnassiinae	B
d	22r	<i>Lemonias zygia</i> Hübner	RIO, Riodininae	B
N/A	SS 70r	Atala, <i>Eumaeus atala</i> Poey	LYC, Theclinae	B
	Margin	LL: Atala, <i>Eumaeus atala</i> Poey (chrysalis)	LYC, Theclinae	Z
		UR: <i>Lemonias zygia</i> Hübner	RIO, Riodininae	Z
<b>MOZAMBIQUE</b>		<b>2018 November 19</b> (Butterflies) (MS/4 & SS/1) (MOZ18505a&b)		
a	116m	Peacock Pansy, <i>Junonia almana</i> L.	NYM, Nymphalinae	A
b	116m	Madagascan Sunset Moth, <i>Chrysidia rhipheus</i> Drury	URA, Uraniinae	A
c	116m	Sylphina Angel, <i>Chorinea sylphina</i> Bates	RIO, Riodininae	A
d	116m	Hewitson's Blue Hairsreak, <i>Evenus coronata</i> Hewitson	LYC, Theclinae	A
N/A	SS 300m	Goliath Birdwing, <i>Troides goliath</i> Oberthür	PAP, Papilioninae	A
	Margin	UR: Madagascan Sunset Moth, <i>Chrysidia rhipheus</i> Drury	URA, Uraniinae	Z
		LR: Peacock Pansy, <i>Junonia almana</i> L.	NYM, Nymphalinae	Z
<b>NIGER</b>		<b>2018 October 24</b> (Bees) (MS/4 & SS/1) (NIG18510a&b)		
a	800fr	Neon Cuckoo Bee, <i>Thyreus nitidulus</i> Fabr.	API, Xylocopinae	A
b	800fr	Barbut's Cuckoo Bee, <i>Psithyrus barbutellus</i> Kirby	API, Apinae	A
c	800fr	Asian Honeybee, <i>Apis cerana</i> Enderlein	API, Apinae	A
d	800fr	Silky Striped Sweat Bee, <i>Agapostemon sericeus</i> Forster	HAL, Halictinae	A
N/A	SS 3300fr	Bicolored Striped Sweat Bee, <i>Agapostemon virescens</i> Fabr.	HAL, Halictinae	A
	Margin	LR: Barbut's Cuckoo Bee, <i>Psithyrus barbutellus</i> Kirby	API, Apinae	Z
		LL & UR: Red-Tailed Bumblebee, <i>Bombus lapidarius</i> L.	API, Apinae	Z
		<b>2018 October 24</b> (Mushrooms) (MS/4) (NIG18516a)		
d	800fr	European Stag Beetle, <i>Lucanus cervus</i> L. (w/ mushroom)	LUC, Lucaninae	B
		<b>2018 November 22</b> (Butterflies) (MS/4 & SS/1) (NIG18607a&b)		
a	800fr	Ornate Dusk-Flat, <i>Chaetocneme denitza</i> Hewitson	HES, Pyrginae	B
b	800fr	Parthenice Tiger Moth, <i>Grammia parthenice</i> Kirby	ARC, Arctiinae	B
c	800fr	Luna Moth, <i>Actias luna</i> L.	SAT, Saturniinae	B
d	800fr	Elephant Hawkmoth, <i>Deilephila elpenor</i> L.	SPH, Macroglossinae	B
N/A	SS 3300fr	Orange Oakleaf, <i>Kallima inachus</i> Boisduval	NYM, Nymphalinae	B
	Margin	LL: Parthenice Tiger Moth, <i>Grammia parthenice</i> Kirby	ARC, Arctiinae	BZ
		MR: Ornate Dusk-Flat, <i>Chaetocneme denitza</i> Hewitson	HES, Pyrginae	BZ
		LR: Luna Moth, <i>Actias luna</i> L.	SAT, Saturniinae	BZ
		<b>2018 November 22</b> (Scouts) (MS/4 & SS/1) (NIG18619a&b)		
N/A	MS 800fr	Top: Stylized Butterfly	Nymphalidae	S Z
N/A	SS 3300fr	Ctr: Stylized Butterflies	Nymphalidae	S Z
<b>ST. THOMAS &amp; PRINCE IS.</b>		<b>2018 November 7</b> (Butterflies) (MS/4 & SS/1) (ST18511a&b)		
a	31d	White-Barred Longwing, <i>Heliconius cydno</i> Doubleday & Hew.	NYM, Heliconiinae	A
b	31d	Eastern Tiger Swallowtail, <i>Papilio glaucus</i> L.	PAP, Papilioninae	A
c	31d	Cairns Birdwing, <i>Troides priamus euphorion</i> Gray	PAP, Papilioninae	A
d	31d	Menelaus Blue Morpho, <i>Morpho menelaus coeruleus</i> Perry	NYM, Morphinae	A
N/A	SS 124d	Viceroy, <i>Limenitis archippus</i> Cramer	NYM, Limenitidinae	A
	Margin	R: Eastern Tiger Swallowtail, <i>Papilio glaucus</i> L.	PAP, Papilioninae	Z

**SIERRA LEONE****2018 June 29** (Mushrooms) (MS/4 & SS/1) (SRL18503a&b)

a	9800le	Red Wood Ant, <i>Formica rufa</i> L.	FOR, Formicinae	B
c	9800le	Privet Hawk Moth, <i>Sphinx ligustri</i> L.	SPH, Sphinginae	B
N/A	SS 40000le	Orange Assassin Bug, <i>Gminatius australis</i> Erichson	RED, Harpactorinae	B
	Margin	Ctr: Roesel's Bush Cricket, <i>Metrioptera roeselii</i> Hagenbach	TET, Tettigoniinae	Z

**2018 December 28** (Butterflies) (MS/4 & SS/1) (SRL181103a&b)

a	9800le	Gulf Fritillary, <i>Agraulis vanillae</i> L.	NYM, Heliconiinae	A
b	9800le	Orange Tip, <i>Anthocharis cardamines</i> L.	PIE, Pierinae	A
c	9800le	Old World Swallowtail, <i>Papilio machaon</i> L.	PAP, Papilioninae	A
d	9800le	Large Blue, <i>Maculinea arion</i> L.	LYC, Polyommatainae	A
N/A	SS 40000le	Rusty-Tipped Page, <i>Siproeta epaphus</i> Latreille	NYM, Nymphalinae	A
	Margin	R: Large Blue, <i>Maculinea arion</i> L.	LYC, Polyommatainae	Z

**2018 December 28** (Bees) (MS/4 & SS/1) (SRL181115a&b)

a	9800le	Western Honeybee, <i>Apis mellifera</i> L.	API, Apinae	A
b	9800le	White-Tailed Bumblebee, <i>Bombus lucorum</i> L.	API, Apinae	A
c	9800le	Eastern Carpenter Bee, <i>Xylocopa virginica</i> L.	API, Xylocopinae	A
d	9800le	Common Carder Bee, <i>Bombus pascuorum</i> Scopoli	API, Apinae	A
N/A	SS 40000le	Violet Carpenter Bee, <i>Xylocopa violacea</i> L.	API, Xylocopinae	A
	Margin	R: Common Carder Bee, <i>Bombus pascuorum</i> Scopoli	API, Apinae	Z

**2018 December 28** (Fight Malaria) (MS/4 & SS/1) (SRL181118a&b)

a	9800le	African Malaria Mosquito, <i>Anopheles gambiae</i> Giles (w/ net)	CUL, Anophelinae	A
b	9800le	Same species (inoculation)	CUL, Anophelinae	B
c	9800le	Same species (silhouette)	CUL, Anophelinae	B
d	9800le	Same species (silhouette in blood drop)	CUL, Anophelinae	C
N/A	SS 40000le	R: African Malaria Mosquito, <i>Anopheles gambiae</i> Giles	CUL, Anophelinae	Z



# PALEONTOLOGY

Editor

Michael Kogan, BU1863

New Listings



Scott#	Denom	Common Name/Scientific Name	Family	Code
--------	-------	-----------------------------	--------	------

## ANGOLA

**2018 December 10** (Dinosaurs & Minerals) (MS/4 & SS/1)<sup>[1]</sup>

Note: At the end of 2018, Angola became a client of Stamperija agency that started to produce a lot of colorful stamps of every possible topic, on behalf of the country. Each stamp on the MS also issued in MS/10.

a	300k	<i>Yangchuanosaurus shangyouensis</i>	†Metriacanthosauridae	A
b	300k	<i>Rhamphorhynchus longicaudus</i>	†Rhamphorhynchidae	A
c	300k	<i>Hatzegopteryx thambema</i>	†Azhdarchidae	A
d	300k	<i>Diplodocus longus</i>	†Diplodocidae	A
N/A	SS 1200k	<i>Austroraptor cabazai</i>	†Dromaeosauridae	A
	Margin	LL: U/I Sauropod		U Z

## ARMENIA

**2018 December 14** (Flora & Fauna of Ancient World – II) (Pair)

a	220d	<i>Argentinosaurus</i>	Clade: †Lognkosauria	A
b	280d	<i>Tapejara</i>	†Tapejaridae	A

Note: For this issue, distinguished from 2017, a FDC was issued together with the stamps and cancelled at the ceremony that took place in the Armenian Geological Museum. In the background, you can see the skeleton of an approximately 600,000 year old *Trogotherium* elephant found in Armenia in the 20th century. It is pity that both stamps show North American prehistoric animals, rather than some local ones.



<https://www.stamps.am/issues/dinosaurs?fbclid=IwAR0cpFyJvUbkl1aVpiN4idXJEU3-wLcImthUGRvRYhBn0tFv2fzT9HgAECjw>

## CENTRAL AFRICAN REPUBLIC 2018 December 20

(Dinosaurs) (MS/4 & SS/1)<sup>[1]</sup>

a	900fr	<i>Triceratops horridus</i> (Cap: <i>Ceratops horridus</i> )	†Ceratopsidae	A
b	900fr	<i>Spinosaurus aegyptiacus</i>	†Spinosauridae	A
c	900fr	<i>Lambeosaurus lambei</i>	†Hadrosauridae	A
d	900fr	<i>Dilophosaurus wetherilli</i>	†Dilophosauridae	A
N/A	SS 3600fr	<i>Therizinosaurus cheloniformis</i>	†Therizinosauridae	A
	Margin	R: <i>Dilophosaurus wetherilli</i>	†Dilophosauridae	Z

**2018 December 20** (Tyrannosaurus rex) (SS/1)<sup>[1]</sup>

N/A	SS 3300fr	<i>Tyrannosaurus rex</i> (embossed stamp)	†Tyrannosauridae	A
-----	-----------	-------------------------------------------	------------------	---

**DJIBOUTI****2018 December 13** (Dinosaurs) (MS/4 & SS/1)<sup>[1]</sup>

a	240fr	<i>Dilophosaurus wetherilli</i>	†Dilophosauridae	A
b	240fr	<i>Brontosaurus excelsus</i>	†Diplodocidae	A
c	240fr	<i>Stegosaurus stenops</i>	†Stegosauridae	A
d	240fr	<i>Therizinosaurus cheloniformis</i>	†Therizinosauridae	A
N/A	SS 950fr	<i>Giganotosaurus carolinii</i>	†Carcharodontosauridae	A
	Margin	R: <i>Therizinosaurus cheloniformis</i>	†Therizinosauridae	Z
		LL: <i>Stegosaurus stenops</i>	†Stegosauridae	Z

**GUINEA BISSAU****2018 November 12** (Fossils) (MS/5 & SS/1)<sup>[1]</sup>

a	640fr	<i>Archaeopteryx lithographica</i>	†Archaeopterygidae	A
b	640fr	Trilobite, <i>Walliserops trifurcatus</i>	†Acastidae	A
c	640fr	Tetrapod, <i>Seymouria baylorensis</i>	†Seymouriidae	A
d	640fr	Coprolite (South Carolina, USA) (w/ paleontologist)		A
e	640fr	R: Cephalopod, <i>Baculites vertebralis</i>	†Baculitidae	B
		L: Ammonite, <i>Discoscaphites iris</i>	†Scaphitidae	B
	Margin	Top: <i>Australopithecus afarensis</i>	Hominidae	Z
N/A	SS 3300fr	<i>Australopithecus afarensis</i>	Hominidae	A
	Margin	LR: Ammonite, <i>Discoscaphites iris</i>	†Scaphitidae	Z
		UR: <i>Archaeopteryx lithographica</i>	†Archaeopterygidae	Z
		Bot: Trilobite, <i>Walliserops trifurcatus</i>	†Acastidae	Z

**2018 November 12** (Flying Dinosaurs) (MS/5 & SS/1)<sup>[1]</sup>

a	640fr	<i>Pteranodon longiceps</i>	†Pteranodontidae	A
b	640fr	<i>Rhamphorhynchus muensteri</i>	†Rhamphorhynchidae	A
c	640fr	<i>Scaphognathus crassirostris</i>	†Rhamphorhynchidae	A
d	640fr	<i>Quetzalcoatlus northropi</i>	†Azhdarchidae	A
e	640fr	<i>Eudimorphodon ranzii</i>	†Eudimorphodontidae	A
	Margin	Top: <i>Dimorphodon macronyx</i>	†Dimorphodontidae	Z
N/A	SS 3300fr	<i>Dimorphodon macronyx</i>	†Dimorphodontidae	A
	Margin	Top: <i>Quetzalcoatlus northropi</i>	†Azhdarchidae	Z
		MR: <i>Scaphognathus crassirostris</i>	†Rhamphorhynchidae	Z
		Bot: <i>Eudimorphodon ranzii</i>	†Eudimorphodontidae	Z

**2018 December 17** (Dinosaurs) (MS/5 & SS/1)<sup>[1]</sup>

a	640fr	<i>Irritator challengeri</i>	†Spinosauridae	A
b	640fr	<i>Ouranosaurus nigeriensis</i>	Clade: †Hadrosauriformes	A
c	640fr	<i>Saurolophus osborni</i>	†Hadrosauridae	A
d	640fr	<i>Triceratops horridus</i>	†Ceratopsidae	A
e	640fr	<i>Stegosaurus stenops</i>	†Stegosauridae	A
	Margin	Top: <i>Diamantinasaurus matildae</i>	Clade: †Titanosauria	Z
N/A	SS 3300fr	<i>Diamantinasaurus matildae</i>	Clade: †Titanosauria	A
	Margin	R: <i>Saurolophus osborni</i>	†Hadrosauridae	Z

**NIGER****2018 October 24** (Prehistoric Flying Animals) (MS/4 & SS/1)<sup>[1]</sup>

a	800fr	<i>Tapejara wellnhoferi</i>	†Tapejaridae	A
b	800fr	<i>Pteranodon longiceps</i>	†Pteranodontidae	A
c	800fr	<i>Huanhepterus quingyangensis</i>	†Ctenochasmatidae	A
d	800fr	<i>Tropeognathus mesembrinus</i>	†Ornithocheiridae	A
N/A	SS 3300fr	<i>Peteinosaurus zambelli</i>	Clade: †Eopterosauria	A
	Margin	UR & Bot: <i>Thalassodromeus sethi</i>	Clade: †Azhdarchoidea	Z

**NIGER** (continued)

**2018 October 24** (Prehistoric Water Animals) (MS/4 & SS/1)<sup>[1]</sup>

a	800fr	U/I Ammonite	Subclass: Ammonoidea	U
b	800fr	<i>Ichthyosaurus communis</i>	†Ichthyosauridae	A
c	800fr	<i>Kronosaurus queenslandicus</i>	†Pliosauridae	A
d	800fr	<i>Opabinia regalis</i>	†Opabiniidae	A
N/A	SS 3300fr	<i>Rodhocetus kasrani</i>	†Protocetidae	A
	Margin	LL: <i>Rodhocetus kasrani</i>	†Protocetidae	Z
		MR: <i>Dunkleosteus terrelli</i> (Cap/Syn: <i>Dinichthys terrelli</i> )	†Dunkleosteidae	Z
		LR: <i>Diplocaulus limbatus</i>	†Diplocaulidae	Z

**2018 November 22** (Dinosaurs) (MS/4 & SS/1)<sup>[1]</sup>

a	800fr	<i>Triceratops horridus</i> (Cap: <i>Ceratops horridus</i> )	†Ceratopsidae	A
b	800fr	<i>Quetzalcoatlus northropi</i>	†Azhdarchidae	A
c	800fr	<i>Stegosaurus stenops</i>	†Stegosauridae	A
d	800fr	<i>Sarcosuchus imperator</i>	†Pholidosauridae	A
N/A	SS 3300fr	<i>Parasaurolophus walkeri</i>	†Hadrosauridae	A
	Margin	LR: <i>Triceratops horridus</i> (Cap: <i>Ceratops horridus</i> )	†Ceratopsidae	Z
		LL: <i>Stegosaurus stenops</i>	†Stegosauridae	Z

**SIERRA LEONE**

**2018 December 28** (Dinosaurs) (MS/4 & SS/1)<sup>[1]</sup>

a	9800le	<i>Brachyceratops montanensis</i>	†Ceratopsidae	A
b	9800le	<i>Caudipteryx zoui</i>	†Caudipteridae	A
c	9800le	<i>Austroraptor cabazai</i>	†Dromaeosauridae	A
d	9800le	<i>Bistahieversor sealeyi</i>	†Tyrannosauridae	A
N/A	SS 40000le	<i>Archaeoceratops oshimai</i>	†Archaeoceratopsidae	A
		R: <i>Bistahieversor sealeyi</i>	†Tyrannosauridae	Z

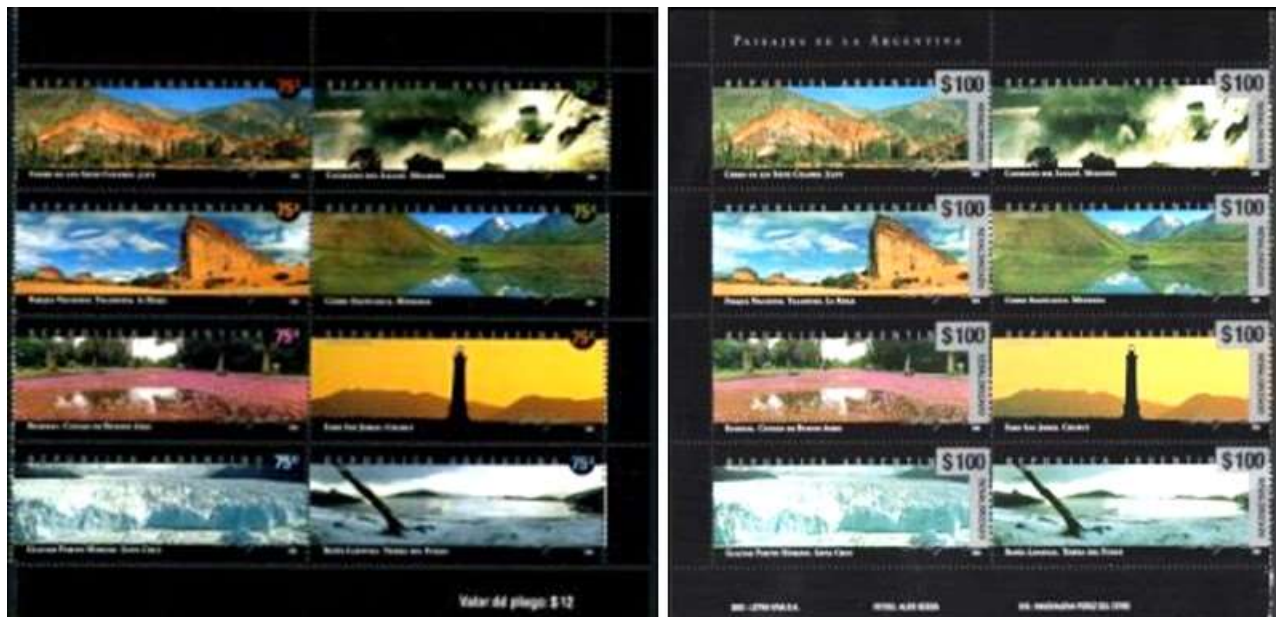
**Other Stamps to Consider**

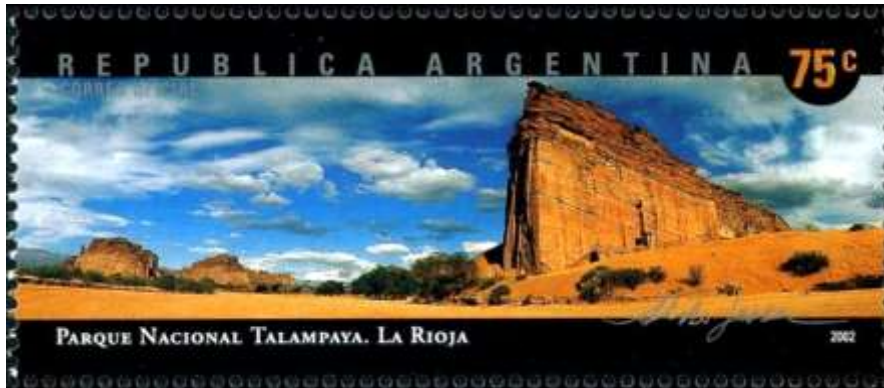
**ARGENTINA**

**2018** (Landscapes: Surch on 2002 stamps) (MS/8)

The first stamp on the second row from top shows a landscape of Talampaya National Park listed a UNESCO heritage site for its paleontological and archeological values.

c	\$100	Talampaya National Park (paleontology site)	R
---	-------	---------------------------------------------	---

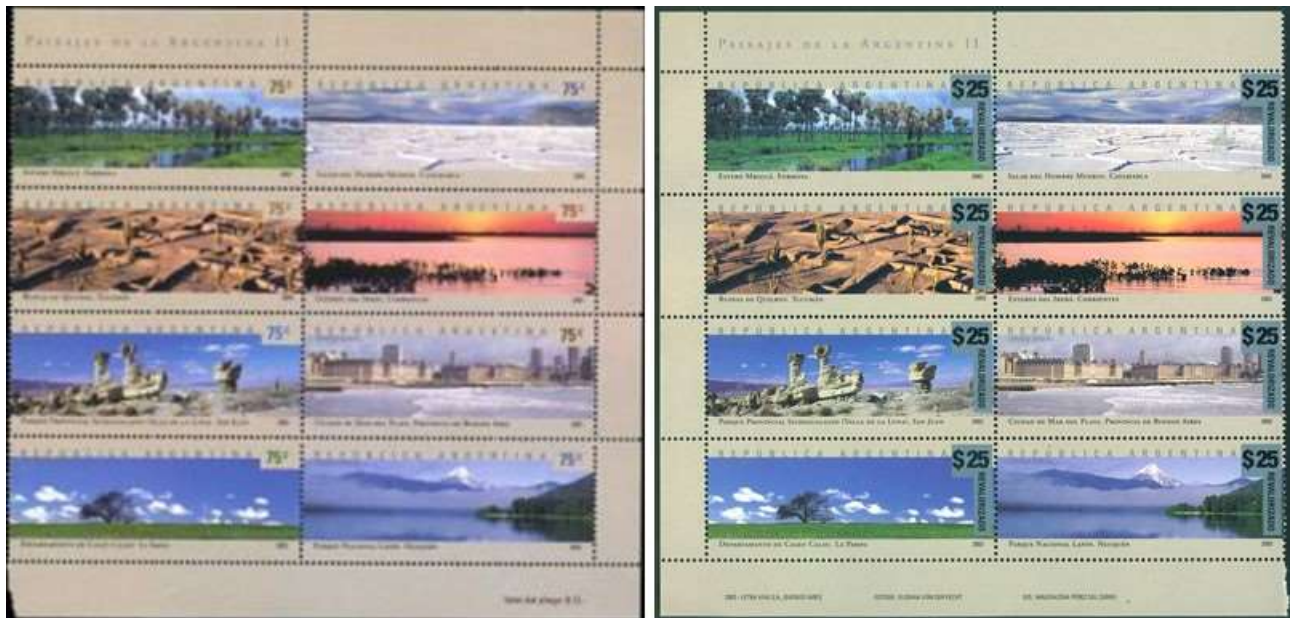




**ARGENTINA** 2018 (Landscapes: Surch on 2003 stamps) (MS/8)  
 The first stamp in the third row from the top shows Ischigualasto (Moon Valley) Provincial Park.

e \$25 Ischigualasto Provincial Park (paleontology site)

R



Ischigualasto and Talampaya Provincial Parks are two contiguous parks, extending over 275,300 ha (1,063 sq mi) in the desert region on the western border of the Sierra Pampeanas of central Argentina. They contain the most complete continental fossil record known from the Triassic Period (245–208 million years ago). Six geological formations in the parks contain fossils of a wide range of ancestors

of mammals, dinosaurs, and plants revealing the evolution of vertebrates and the nature of palaeo-environments in the Triassic Period. (source: <https://whc.unesco.org/en/list/966>)

**BULGARIA****2018 October 18** (Extinct Animals) (MS/4)

a	65s	Aurochs, † <i>Bos primigenius</i>	Bovidae	A
b	1.20l	Steller's Sea Cow, † <i>Hydrodamalis gigas</i>	Dugongidae	A
c	1.50l	Tasmanian Tiger, † <i>Thylacinus cynocephalus</i>	†Thylacinidae	A
d	2l	Great Auk, † <i>Pinguinus impennis</i>	Alcidae	A



The aurochs is an extinct species of large wild cattle that inhabited Europe, Asia, and North Africa. It is the ancestor of domestic cattle. It has also been suggested as an ancestor genetically to the modern European bison, which have been crossbred with steppe bison.

The species survived in Europe until 1627, when the last recorded aurochs died in the Jaktorów Forest in Poland.

Due to the fact that the aurochs appears on many prehistoric cave paintings, it can be considered for PaleoPhilately collectors. The stamp with the aurochs appears on associated post stationery. The postmark on first day cover shows its skull and its fossil is shown on illustration of the cover.

**CZECH REPUBLIC****2018 October 10** (200th anniv. National Museum in Prague) (Single)

The stamp depicts the building and expositions of the National Museum. The National Museum is the largest Czech museum. It started with donations of large private collections, dedicated mostly to natural science, by a group of local aristocrats led by Count Kaspar Maria Sternberg.

N/A 19k National Museum in Prague R

**PERU****2019 February 11** (100th anniv. Natural History Museum)

The Natural History Museum (*Museo de Historia Natural*) in Lima, is Peru's most important museum of natural history. It was established in 1918, and belongs to the National University of San Marcos. The museum is repository of representative specimens of Peruvian fauna, flora, and minerals, including exhibitions of mammals, primates, invertebrates, reptiles, amphibians, birds, plants, fossils, dinosaurs, fish, and minerals.

N/A 6s Natural History Museum entrance R

**Personalized Issue****SPAIN****2019 January 17** (25th anniv. Mufomi Fossil & Mineral Museum)

In celebration of its 25th anniversary, the Mufomi Fossil and Mineral Museum of Elgoibar issued two personalized stamps. One stamp shows a mineral, the other a *Mixosaurus* species. *Mixosaurus* was a small-to-medium-sized ichthyosaur, not growing more than two meters in total length with small species not growing more than one meter.

Mufomi offers the largest collection of fossils and minerals in Basque Country (an autonomous community in northern Spain). The museum is divided into two rooms. The first one is dedicated to invertebrate fossils and fossils from the region. In the other room are exhibited vertebrate fossils and minerals collected from all corners of the world. It is a pity they chose to depict a foreign animal (*Mixosaurus* fossils have been found near the Italy–Switzerland border and in South China) instead of a local one.

N/A (A) *Mixosaurus* sp. †Mixosauridae A

**Commemorative Postmarks****SPAIN****2019 January 17** (25th anniv. Mufomi Fossil & Mineral Museum)

The commemorative postmark for the personalized stamps described above shows a stylized Ammonite.



### Future Issues

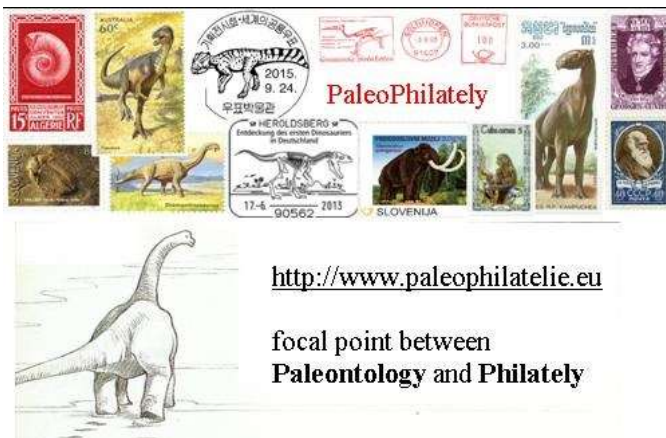
- 2019.02.15: **Latvia:** Unique exhibits of the Latvian Natural History Museum (tentative: it is still not clear what will be depicted there)
- 2019.03.22: **Slovenia:** Oligocene Mammal Fossil: *Anthracotherium magnum*
- 2019.Q1: **Armenia:** Flora & Fauna of Ancient World – III (single stamp)
- 2019.06-03: **Hungary:** 150th anniversary of the Hungarian Royal Geological Institute (tentative: it is still not clear what will be depicted there)
- 2019.09.05: **Germany:** 250th anniversary of Alexander von Humboldt, great German naturalist. Some collectors might consider this stamp as Charles Darwin made frequent reference to Humboldt's work in his *Voyage of the Beagle*, where Darwin described his own scientific exploration of the Americas.
- 2019.xx.xx: **Portugal:** ATM stamps "Fossils Discovered in Portugal"
- 2019.xx.xx: **Ukraine:** Commemorative cover "100th anniversary of zoological museum in Kiev" (there are big Paleontology exhibits in the museum)

### 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







**Italia 2018 National Exhibition of Philatelic Literature with international participation**  
*under the patronage of the Federation of the European Philatelic Associations, the European Academy of Philately, the Association Internationale des Journalistes Philatéliques and the Unione stampa filatelica italiana, and with the scientific advice of the Istituto di Studi Storici Postali "Aldo Cecchi" in Prato*

**Certificate of Award**

We hereby certify that  
**Michael Kogan**

has participated in the **Italia 2018** Exhibition and has been awarded this diploma representing a  
**Large Vermeil medal**

for the Exhibit  
*Paleophilatelic web site - focal point between Paleontology and Philately*

Verona, 23 November 2018

<p><b>Bruno Crevato-Selvaggi</b> General Commissioner</p> 	<p><b>Giancarlo Morolli</b> President of the Jury</p> 	<p><b>Piero Macrelli</b> President of the Organizing Committee</p> 
---------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------

## JOSHUA TREE

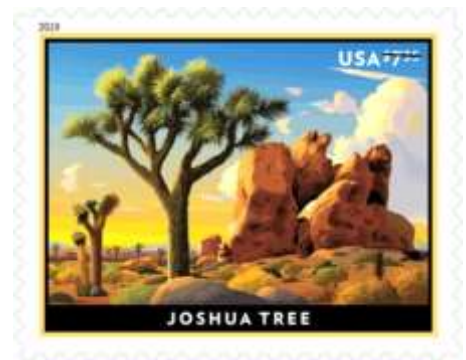
The US Postal Service issued several stamps to accommodate the new postal rates that went into effect on 27 January 2019. One of these is the Joshua Tree stamp that fulfills the new \$7.35 Priority Mail rate. Most of these new issues, including this one, had Kansas City as the first day city.

The stamps were printed on pressure sensitive paper in panes of four using four-color offset and microprint by Ashton Potter (USA) Ltd. The designer and art director was Greg Breeding from Charlottesville, Virginia. The typographer and artist was Dan Cosgrove from Chicago, Illinois.

The Joshua Tree (*Yucca brevifolia*) is native to parts of California, Arizona, Utah, and Nevada confined mostly to the Mojave Desert. It is unclear how it came by its common name as no documentation supports traditional tales.

The trunk consists of thousands of small fibers and lacks annual growth rings, making it difficult to determine the tree's age. They can live for hundreds of years. Some specimens survive a thousand years. The tallest trees reach about 15 m (49 ft). New plants can grow from seeds, but in some populations, new stems grow from underground rhizomes that spread out around the parent tree.

The evergreen leaves are dark green, linear, bayonet-shaped, 15–35 cm long and 7–15 mm broad at the base. Flowers appear from February to April. After blooming, the trees are pollinated by the Yucca Moth (Prodoxidae), which spreads pollen while laying her eggs inside the flower. The moth larvae feed on the seeds.



## 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

**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/>*

**American Topical Association.** Topical collecting and exhibiting information, youth activities, checklists.

*<http://www.americantopicalassn.org/home.shtml>*

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

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

**Exploring Stamps.** Interesting and professional videos produced by videographer Graham Beck on all sorts of stamp collecting topics.

*<https://www.youtube.com/channel/UCkeSM6aOWfaUPIGb5rPOGyA>*

**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-filatelistas.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 Institute.** 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>

## 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>

**Bug Guide.** Identification, images, and information for insects, spiders, and their kin for the United States and Canada.

<https://bugguide.net/node/view/15740>

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

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

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

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

**Entomology Today.** Entomological Society of America site reporting interesting discoveries in insect science, entomological society news and events, and related articles.

<https://entomologytoday.org/>

**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>

**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/>*

**Society of the Study of Amphibians and Reptiles.** Website devoted to herpetology research and conservation. Database of North American species names.

*<https://ssarherps.org/>*

**Turtle Meter Stamps.** Updated website containing a worldwide catalog of meter stamps and meter marks the depict turtles and tortoises based on the owners 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/>*

**Burke Museum Ichthyology.** Database of the museum’s archival collection of more than 11 million specimens.

*<http://www.burkemuseum.org/research-and-collections/ichthyology>*

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

*[http://fishbase.sinica.edu.tw/home\\_tw.htm](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://vertebrates.si.edu/mammals/index.html>*

## 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 selvage
Wr*	Head wreath (or chaplet)	*	Subject is natural color (no longer in use)

### Acronyms and Abbreviations:

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

**Entomology Family Abbreviations:**

ACR	Acrididae	AES	Aeshnidae	AND	Andrenidae
ANO	Anobiidae	ANT	Anthicidae	API	Apidae
ARC	Arctiidae	BEL	Belostomatidae	BLA	Blattidae
BRA	Brahmaeidae	BRAC	Braconidae	BUP	Buprestidae
CAL	Calopterygidae	CAN	Cantharidae	CAR	Carabidae
CAS	Castniidae	CER	Cerambycidae	CHR	Chrysomelidae
CHRY	Chrysopidae	CIC	Cicadellidae	CICA	Cicadidae
COC	Coccinellidae	COE	Coenagrionidae	COR	Corydalidae
CORD	Cordulegastridae	CORE	Coreidae	COS	Cosmopterigidae
CRA	Crabronidae	CRAM	Crambidae	CUL	Culicidae
CUR	Curculionidae	DER	Dermestidae	DRO	Drosophilidae
DYT	Dytiscidae	ELA	Elateridae	FOR	Formicidae
FUL	Fulgoridae	GEO	Geometridae	GEOT	Geotrupidae
GOM	Gomphidae	GRA	Gracillariidae	GRY	Gryllidae
GRYA	Gryllacrididae	HAL	Halictidae	HES	Hesperiidae
HYM	Hymenopodidae	ICH	Ichneumonidae	LAM	Lampyridae
LAS	Lasiocampidae	LIB	Libellulidae	LIM	Limacodidae
LUC	Lucanidae	LYC	Lycaenidae	LYG	Lygaeidae
LYM	Lymantriidae	MAN	Mantidae	MEG	Megachilidae
MEL	Meloidae	MEM	Membracidae	MIR	Miridae
MUS	Muscidae	MYR	Myrmeleontidae	NOC	Noctuidae
NOL	Nolidae	NOT	Notodontidae	NYM	Nymphalidae
OEC	Oecophoridae	PAP	Papilionidae	PAS	Passalidae
PEN	Pentatomidae	PHA	Phasmatidae	PHY	Phylliidae
PIE	Pieridae	PLU	Plutellidae	POM	Pompilidae
PSY	Psychodidae	PTE	Pterophoridae	PYR	Pyralidae
PYRG	Pyrgomorphidae	RAP	Rhaphidophoridae	RED	Reduviidae
RIO	Riodinidae	ROM	Romaleidae	SAR	Sarcophagidae
SAT	Saturniidae	SCA	Scarabaeidae	SCO	Scoliidae
SCU	Scutelleridae	SES	Sesiidae	SIL	Silphidae
SIM	Simuliidae	SIR	Siricidae	SPH	Sphingidae
SPHE	Sphecidae	STA	Staphylinidae	SYR	Syrphidae
TAB	Tabanidae	TEN	Tenebrionidae	TEP	Tephritidae
TET	Tettigoniidae	TIP	Tipulidae	TOR	Tortricidae
TRI	Trichogrammatidae	URA	Uraniidae	VES	Vespidae
YPO	Yponomeutidae	ZYG	Zygaenidae		