

# BIOPHILATELY

OFFICIAL JOURNAL OF THE BIOLOGY UNIT OF ATA

SEPTEMBER 2019

VOLUME 68, NUMBER 3

## Let's Hear It for the Monkey!



## ATA-APS National Stamp Show 2019

More Inside >>



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

Electronic versions of back copies of *Biophilately* are available on our website, or from the Librarian on request. Please contact the individual associate editors if you have queries about the content of their columns.

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

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

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

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

**FROM THE EDITOR'S DESK**

The summer is full of great stamp events including shows at all levels from local to international, symposiums and seminars, auctions, and club meetings. Hopefully each of you is able to take advantage of the opportunity to attend these events. If you are a lonely collector out there, check out a stamp club close to you. They are always looking for new members and offer assistance and lots of interesting activities.

This edition contains reports on two significant activities that happen each summer: The American Philatelic Society (APS) Summer Seminar and the APS-ATA stamp show. These were both stellar events and I highly recommend you consider attending them next summer.

In addition to many terrific doings at the summer show, our President, Laurie Ryan, received her 25-year membership pin from the APS at its town hall meeting.



Additionally, there is much news coming out of the ATA Board meeting and annual general meeting that were held at the joint APS-ATA show. See the articles starting on page 169 and the show report on page 172.

All of these actions are important for our study unit as well as the ATA, but we should look at one in particular. As part of October Stamp Collecting month, the ATA is implementing its *Everyone Recruit One* program. They want each member to recruit at least one other person to join the organization. The Biology Unit should try to do the same thing. When you combine them, our topics are probably the most widely collected in the entire hobby. Check with your club members and people attending your local shows and sign someone up.

While I am on the subject, I happen to know that many of our Unit members are **not** also members of the ATA. I think this is a shame. Perhaps those who are not members may feel that the ATA is too general for their interests and are satisfied with focusing on their own field of study. But I would like to point out that this Unit would not exist if it were not for our parent, the ATA. Not only do they deserve our loyalty and support, but they offer many exceptional services to their members including an award-winning magazine, *Topical Time*, and extensive checklist services. Please go to the ATA website ([www.americantopicalassn.org](http://www.americantopicalassn.org)) and fill out a membership application.

It is again time for our Unit elections. You will find a ballot included with this edition. **Please make your choices and return it to the Secretary by 30 September 2019.** We will announce the results in the next issue.

This issue has no Fungi or Herpetology listings. We expect to have full listings in the next edition.

There are entirely too many articles in this issue written by me. The rest of you out there get off your duffs and send me an article about something in your collection, or some other thing about collecting that interests you. I assure you others will be interested as well.

Jack R. Congrove

<b>DUES RATES (US\$)</b>		<b>ADVERTISING RATES</b>	
US membership	\$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 just returned from the StampShow/NTSS in Omaha, Nebraska. I arrived early so I could visit the Henry Doorly Zoo. Tuesday morning I drove down to the zoo, which is in the top tier of the United States. With more than 160 acres, the exhibits are fantastic.

Each exhibit is laid out as a region or environment. These include the Himalayans, Jungles of Africa and Asia, African Veldt, Deserts of the World, The Nocturnal World, and a large Aquarium.

Each exhibit depicts the scenery of the region, both natural and manmade. I love how each is set up to show how scientists study the environment, both flora and fauna, with research stations, data postings, etc. This certainly is an innovative approach. One highlight for me was to see Muki the gorilla again. I watched her grow up at the Cincinnati Zoo.



Our Biology Study Unit met Saturday morning, an hour later than usual. We had 12 people in attendance. As usual, we opened with introductions from the attendees. We discussed the journal and membership numbers. Please consider writing an article for Biophilately. We are, thankfully, in quite good shape.

This year marks the 70th anniversary of the American Topical Association. We had a delicious cake at the President's Reception, an historical retrospective, and beautiful commemorative pins, all to honor Jerry Husak's great vision in the creation of this organization. Oh, and I also found two more Hedgehogs on stamps!

Laurie Ryan

### NEW TOPICS FROM ATA

The hardworking checklist coordinators continue to add all new issues, as well as new topics to the dATABASE. Fall is a perfect time to update your checklist, or add a new one. Perhaps one of these new lists appeals to you: **Game of Thrones, Duchess Meghan, scented stamps, the Beatles, US National Parks, Charles Schultz-Peanuts, French horns, propaganda, all-terrain vehicles, and jet skis.** ATA now has more than 1300 checklists by topic, and can also custom search for any topic you dream up. Contact the ATA office to order your next topic! 618-985-5100, or [americantopical@msn.com](mailto:americantopical@msn.com).

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## SECRETARY-TREASURER'S CORNER

### MEMBERSHIP

These members who were two years in arrears in their dues have been dropped from the membership roll: **Bogart, Collins, Foster, Hamilton, Hodge, Radnell, Russ, Stansfield, and Uicker**. The current membership of the Biology Unit stands at 122, but this will fall to 113 if all the listed members below are dropped. In 2000, there were 249 members.

The following members are only paid through 2018, and thus are one year behind in their dues. They will be dropped from the roll if the Treasurer does not receive payment in a timely manner: **Cohen, Drago, Law, Lloyd, Moynihan, Palazzo, Rosche, Vaughn, Wasilov, White, and Zimmerman**.



### NEW MEMBERS

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

- |      |  |   |
|------|--|---|
| 1893 | Robert Cagna, 4405 Chandler Dr. N, Wilson, NC 27896            | animal rights, welfare, conservation, sanctuaries               |
| 1894 | Van Wallach, 4 Porter Park, Cambridge, MA 02138                | snakes (4)  |
| 1895 | Koenraad Bracke, Baerdonckstraat 83, BE-9230 Wetteren, Belgium | owls, bird song, woodpeckers, godwits (5), spiders, insects (7) |
| 1896 | Robert Brew, Acton, MA   | trees (2)   |

### UNIT ELECTIONS

The Biology Unit will hold its election of officers in September. The deadline for voting is 30 September 2019. A ballot is enclosed with this edition of the journal. Please complete the ballot and send it to the Secretary, Chris Dahle. You can send it either by regular post, or by email. Here are the addresses:

Chris Dahle	email: <a href="mailto:chris-dahle@biophilately.org">chris-dahle@biophilately.org</a>
Biology Unit Election	
1401 Linmar Dr. NE	
Cedar Rapids, IA 52402	

The following are candidates for re-election:

President:	Laurie Ryan (Ohio)
Vice President:	Glenn Mertz (Pennsylvania)
Secretary/Treasurer:	Chris Dahle (Iowa)
Director:	Jack Congrove (Washington)
Director:	John Pereira (Massachusetts)
Director:	Fred Skvara (New Jersey)
Director:	Don Wright (Wisconsin)

## TREASURER'S REPORT

We are still running a deficit, although the past year we have reduced it by \$390.81, from \$1,702.54 to \$1,311.73. Publishing the journal is still our biggest expense. Printing costs have risen from \$1,506.11 to \$2,008.42. Total postage costs have dropped from \$1,309.27 to \$1,035.97. We did not subsidize the publishing of an ATA handbook this year. Income increased by \$340.56, while donations dropped slightly.

## ELECTRONIC JOURNAL DISTRIBUTION

At the annual general meeting of the Biology Unit during the show in Omaha, the matter of distributing the journal as a PDF file via email or the website was proposed and discussed.

Currently, we distribute the journal either as a print copy by regular post, or as download files from the Unit website. The files on the website are separated by column subjects. There is no overall file that contains the complete journal issue.

The journal files are divided for two primary reasons. First, many members are only interested in the new issues section that pertains to their topical area and do not want to have or download the entire document.

Second, the file that contains the entire journal is typically large, though not so large that it exceeds the usual limit for standard downloads or emails. Even so, many members do not want to deal with a file of such size.

The advantages of distributing the entire document as a PDF are many. First, it would save a significant amount of expense if we reduce the quantity of print copies and the postage associated with mailing them. Second, members would be able to receive their copy of the journal as soon as it is released and would not have to wait for it to be printed and mailed.

Third, while the print copy is in black and white except for the cover page, the PDF copy would be in full color.

Of course, as with every situation, there are some disadvantages. First, if the member wishes to have a hard copy, they would have to print it themselves and that costs paper and ink, not to mention time and effort. Second, electronic subscriptions are lower than print subscriptions, so the dues the Unit receives would be reduced. We have made no cost analysis to see if the reduced costs would offset the reduced income having no idea how many would opt for electronic distribution, so that is unknown currently.

Also, we would continue to offer the print version to members who wish to have it, or have no access to receive an electronic copy.

Please provide us with your views on this proposal. You can write to either the Editor, or the Secretary via letter or email. The addresses are shown on the inside cover.

<b>Assets (as of 31 May 2019)</b>	
Checking	\$7,212.00
<b>Total</b>	<b>\$7,212.00</b>
<b>Expenses:</b>	
Credit card fees to ATA	\$3.50
PayPal charges	\$9.21
Domain name	\$13.95
Website charges	\$101.49
Post Office box rental	\$96.00
Postage Canada	\$139.63
Postage Foreign	\$263.49
Postage U.S.	\$632.85
Printing	\$2,008.42
Supplies	\$121.51
Sales tax	\$162.49
ATA handbook publishing	
NTSS booth sharing	\$50.00
Entry fees, literature competition	
Extra mailings	
<b>Total</b>	<b>\$3,602.54</b>
<b>Income:</b>	
Dues	\$1,781.31
Donations	\$509.50
<b>Total</b>	<b>\$2,290.81</b>

## NEWS OF NOTE

### BIOLOGY UNIT FEATURED

In the lead-up to the joint APS StampShow-ATA National Topical Stamp Show, the American Philatelic Society featured the Biology Unit in its June 2019 APS digital newsletter. The informational article included links to the Biophilately website and to sample pages of the Biology Unit “Spare Time” exhibit.

### THEMATIC PHILATELY BOOK

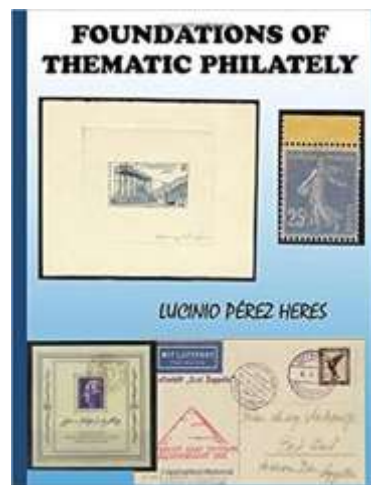
Originally published in Spanish, a new English translation of *Foundations of Thematic Philately* has been released in June 2019. The author, Lucinio Pérez Heres, is a mining engineer from the University of Oviedo in Asturias, Spain. He has had a fondness for philately for as long as he can remember. He became interested in thematic philately in 1991, and began his first thematic collection shortly thereafter.

Some of his collections include, “The World of Mining;” “The Odyssey of Minerals;” and “Gods, Kings, and Tombs.” He has also written several articles for philatelic magazines and given some lectures on thematic philately.

This book is a manual for starting your own thematic philately collection. Do you know what Tin Can Mail is, or other philatelic terms like balloon mail, *Boule de Moulins*, V-mail, I.R.C., precursor, carrier, paquebot, crash mail, and fancy cancel? Can you distinguish the different kinds of proofs, such as artist proof, engraving punch proof, workshop proof, ink proof, offset proof, plate essay, color proof, progressive proof, printing proof, un-adopted proof, deluxe proof, etc.?

You will find all the answers here, as well as recommended ways to arrange, present, and describe the material in your collection. The book provides some ideas on choosing the theme, creating the title and plan, and offering tips for developments. The last part of the book comprises the FIP Rules for Presentation and Evaluation applicable for exhibiting at the different levels.

Both print and digital versions of book are available on Amazon.



### NEW ATA EXECUTIVE DIRECTOR

The American Topical Association, our parent organization, has named Jennifer L. Miller of Greer, South Carolina, as its new Executive Director. She is replacing Vera Felts who has been the Executive Director since 2009, and is retiring.

Miller is an enthusiastic topical collector and ATA member. She collects sheep, teapots, coffee, and Disney on stamps.

She has many years of customer service experience working for the Walt Disney Company and most recently has 13 years of business experience with Starbucks. She has a degree in education and was a teacher at the beginning of her career before spending some years raising her three children.

She is married to Martin Kent Miller, also an avid philatelist, who was previously the Chief Content Officer for the American Philatelic Society and editor of *The American Philatelist*.

Miller officially assumed her new position on 15 August. The new address for the ATA Headquarters is: P.O. Box 2143, Greer, SC 29652-2143. The email address and phone have not changed: [americantopical@msn.com](mailto:americantopical@msn.com), and (618) 985-5100. Please welcome Jennifer to her new position.



### NEW PENGUINS LOGO

The Penguins on Stamps Study Unit (POSSU) has adopted a colorful new logo for their organization. The design features “Tux,” a stylized Emperor Penguin (*Aptenodytes forsteri*) in his formal penguin attire including a ceremonial sash with the words “I ♥ POSSU.”

The logo was designed by Martin Kent Miller from Greer, South Carolina. The POSSU uses it on cinderella labels, note paper, and their newsletter, *The Rookery Report*.

The Emperor Penguin can live for 20 years and is the tallest and heaviest of all living penguin species. It is endemic to Antarctica. The male and female are similar in plumage and size, reaching 122 cm (48 in) in height and weighing up to 45 kg (99 lb).

If you are interested in joining or learning more about POSSU, you can visit their website at [www.penguinstamps.org](http://www.penguinstamps.org), or email [gentoo172@yahoo.com](mailto:gentoo172@yahoo.com).



### TIGER COVER

The Cats on Stamps Study Unit (COSSU) was the featured study unit at the APS-ATA joint show this year in Omaha, Nebraska (see the show report on page 172). The study unit was celebrating its 40th anniversary. Among other materials and souvenirs, they were selling the pictured cover with an eye-catching color cachet of a tiger and franked with the Save Vanishing Species semi-postal stamp (Sc#B4). This stamp was issued in 2011, and withdrawn from sale at the end of 2018.

I purchased this cover and had it canceled at the USPS station at the joint show using the ATA 70th anniversary postmark.

By the way, I asked one of the ladies from the Stamp Fulfillment Center in Kansas City, who was working at the show to hand stamp all of the cancels, to give me an estimate of the quantity she had applied in her 15-year career with the Center. The answer: 1.5 million!

The cachet was created by artist Ole Nordhavn, who also happens to be the COSSU President.



The uncanceled cover is available from COSSU for \$5 plus \$1 postage. If you are interested in joining or learning more about COSSU, you can visit their website at [www.catstamps.info](http://www.catstamps.info), or email [catmews1@yahoo.com](mailto:catmews1@yahoo.com).

### OCTOBER IS STAMP COLLECTING MONTH

#### ***Everyone Recruit One!***

To celebrate Stamp Collecting Month, the ATA is rolling out a special offer for ATA members. It's their *Everyone Recruit One* campaign, and they hope you will participate. For each new member you recruit in October, you will receive a \$5 checklist credit. If you recruit a former member after a lapse of more than a year, you will get a \$5 credit for that also. And, yes, you can recruit more than one member! If the new member signs up on the ATA website, be sure to let us know you are the member who recruited him/her.



## PRIVACY POLICY

The General Data Protection Act is a set of rules that enable European citizens to learn how their personal data is used and allow them to control how that data is used by companies and organizations that collect that data. Because the ATA and the Biology Unit both have European members, they need to have a policy in place that spells out what personal data they collect and how they collect and use it.

The ATA is currently developing this policy and will publish it within the next few weeks. The Biology Unit must also adopt such a policy and most likely will use the same one as the ATA. It is also expected that the US and others will implement similar requirements in addition to those that already exist regarding sensitive personal data.

The policy will reset everyone to zero. In other words, all members will be opted out of personal information retention. The policy will specify exactly what personal information the organization will collect such as names, addresses, and other contact information. Information might also include collecting interests and other data. Each member will be informed of the policy and given the opportunity to opt in. The policy will be posted on the website and designated on all forms and other correspondence.

Currently, the ATA and the Biology Unit do not share any personal data with other organizations, and this is not expected to change. Sharing data within the organization will be addressed as part of the policy. Other details will include staff training, electronic security, and response plans. More information will be provided soon.

## BOGUS STAMPS

Recently, there was an article in *The American Stamp Dealer & Collector* magazine titled, "The Abuse of Topical Collectors," by Richard Lehmann. (*ASD&C*, May 2019, p. 68). This article decried the prolific release of so-called "bogus" stamps by questionable production groups and called on the ATA to lead the way in putting an end to these issues.

ATA President Dale E. Smith, responded in another article published in the June edition of the same magazine (*ASD&C*, June 2019, p. 16). His article recaps some of the efforts made in the past by the stamp collecting community to thwart the production and sale of these items. He then presents the ATA's policy regarding them.

The bottom line is, until each of the countries allowing these stamps to be produced takes action to control them and prosecute these printers and publishers, nothing will happen to stop, or reduce the flow. These countries are being defrauded and their reputations and integrity besmirched.

It is not the responsibility of the ATA to be the world's policeman of this situation. The ATA does not have the staff, financial resources, or complete information to aggressively combat the large web of dishonest individuals and organizations involved in this scheme.

Further, it is not the job of the ATA to tell collectors what they should, or should not collect. Many collectors do realize that these items are questionable, or even fake issues from fake "countries." But they are interested in having these things in their collection for their design, or because they depict a subject found on no other stamp in the world. Most topical collectors are not buying their stamps for investment purposes.

The ATA does have the responsibility to inform and educate topical collectors about these fraudulent issues, and to make buyers aware that these items are, at best, labels and cinderellas and will be worth nothing when it comes time to sell them.

Here in *Biophilately*, we try to do this very thing by flagging the entries in our new issues sections. We know that many members still may wish to add them to their collections. And this also provides a warning to other members, who will undoubtedly encounter them in dealer stocks, or on-line markets, about their questionable nature.

## APS-ATA NATIONAL SHOW 2019

Jack R. Congrove, BU1424

For the second year in a row, the American Topical Association (ATA) partnered with the American Philatelic Society (APS) to host a joint stamp show. The APS and ATA are the two largest philatelic organizations in the United States. Each organization has traditionally held an annual national-level stamp show: APS StampShow and ATA National Topical Stamp Show (NTSS). These shows are held in different cities around the country each year.



A large crowd assembled for the Military Working Dog first day ceremony. Many more arrived after this photo was taken.

Last year, the two organizations held a hugely successful joint show in Columbus, Ohio, and that provided the motivation to try another one this year in Omaha, Nebraska. The show took place at the CHI Health Center, an immense convention and arena facility, in Omaha on 1–4 August 2019.

The show featured 64 dealers, six auction houses, and 849 frames of exhibits. In addition to the dealers and exhibits, the activities included meetings and presentations by several of the more than 30 societies that attended the show, annual general meetings of both the APS and ATA, receptions, tours, and many other activities such that it was not possible to participate in all of them.

The cooperation and coordination between the APS and ATA continued to be excellent. The ATA Show Manager, John Hamman from Florida, reported that both societies contributed to the planning and execution of the event. The APS, as the larger organization, provided the majority of the effort, which included rental of the venue, coordination of the dealer and exhibitor participation, and much of the advertising. The ATA provided volunteers and support for exhibits, presentations, publicity, awards, and the Youth activities area, as well as assisting in many other areas.



Warren Buffett at YPLF booth (Jerry Sims photo)

Both the APS and ATA had large booths next to each other at the show entrance that were continually interacting with visitors. Nebraskan investor Warren Buffett visited the Young Philatelic Leaders booth on Sunday. Apparently he is a topical collector. The ATA gained 35 new members during the four-day show.

Attendance figures at the show are unknown at present, but from my unscientific observations, the quantity each day seemed lower than last year's exceptional show. Nevertheless, the show was well attended each day and actually seemed to be crowded on Thursday and Friday. Responses from dealers that I heard were all positive and at least one reported that this had been his best show ever in terms of sales. It appeared evident that attendance by a combination of traditional and topical collectors added a lot of energy to the event.

The success of these past two joint events has resulted in agreements between the two organization to continue hosting joint shows in the future. In fact, even prior to this show, the ATA and APS had signed agreements to hold joint events in Hartford, Connecticut, next year and in Rosemont, Illinois, in 2021. At the show this year, they signed another agreement to jointly sponsor a show in Sacramento, California, in 2022.

The success of this joint venture has attracted a third partner for the show next year in Hartford. The American First Day Cover Society (AFDCS), which produces its annual Americover show, will combine it with the other two to form a triple event next year. Each of these three shows is a World Series of Philately (WSP) accredited event, so the exhibits will be split into three sections each with their own set of awards and Grand Award winners. Of course, the APS StampShow is also the venue for the annual Champion of Champions competition in which the Grand Award winners from each of the 30 WSP compete for the Champion of Champions prize.

The Hartford show should be a very large event and the plan calls for two show hotels to accommodate all attendees. It is strongly recommended that you make your reservations as soon as the arrangements with the venues are announced so that you can be assured of a room. This year the show hotel was sold out well before the event.

On Thursday at noon, the US Postal Service held a First Day of Issue ceremony for the Military Working Dog (MWD) booklet stamps. The booklets contain five blocks of the four stamps showing the common breeds of military working dogs: Dutch Shepherd, German Shepherd, Labrador Retriever, and Malinois. The standing room only ceremony was treated to some inspiring and touching remarks by speakers with personal experiences and connections to MWD animals. MWD Morty, a German shepherd, and his handler, SSgt Blake A. Radey, from the 55th Security Squadron at nearby Offutt Air Force Base were a popular attraction at the event.

As I watched the many photos being taken of Morty and his handler, I jokingly mentioned to the non-commissioned officer-in-charge that Morty was really famous now and would never be able to work undercover again. The sergeant laughed and told me that Morty, who sports a floppy ear, had just returned from a deployment in the Middle East and that everyone there knew all about the dog with the "floppy ear."



MWD Morty & handler



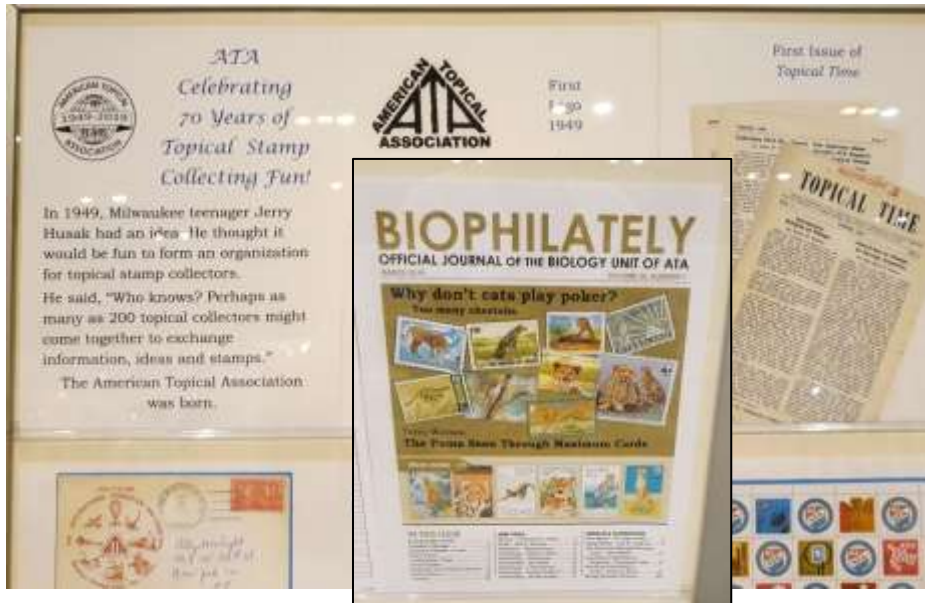
The ATA celebrated its 70th anniversary as part of the show festivities. The Friday show cancel (see page 170) marked the event. The ATA displayed several exhibit frames devoted to the organization. One showed historical artifacts from the ATA files and included an image of the March 2019 edition *Biophilately* journal cover. A birthday cake helped celebrate the anniversary at the ATA President's Reception on Friday evening.

The ATA held their annual meeting of the Board of Directors on Tuesday and Wednesday before the show opened. Look for a complete report in an upcoming edition of *Topical Time*. Much of the agenda and discussion dealt with the "changing of the guard" as new officers and a new Executive Director were set to take office.

Dawn Hamman, from Venice, Florida, was elected as the new ATA President taking the place of Dale E. Smith from Kansas City, Missouri, who had served as President for the past three years. She officially assumed the office



following the Annual General Meeting on Friday afternoon. Also, Jennifer L. Miller attended as the incoming Executive Director (see page 169) as she transitioned to take over from Vera Felts, who retired at the end of August. Felts accepted a consulting contract offered by the ATA to run through the end of the year to help coordinate and smooth the transition. The meeting was so well attended that more chairs had to be brought in to the large room.



In addition to Hamman as the new President, Jeffrey Hayward from Staten Island, New York, was elected as the First Vice President, and Jack Congrove, from Fort Lewis, Washington, was re-elected as the Second Vice President. Also, Dale Smith continued to serve on the Board as a Director and Christopher Dahle from Cedar Rapids, Iowa, was re-elected as a Director.

At the APS General Meeting on Saturday, our Unit President, Laurie Ryan received her 25-year membership pin from APS President Robert Ziegler.

The Biology Unit held its annual meeting on Saturday at 11:00 AM in the convention center presided over by President Ryan. Twelve members were present including members from Belgium and Canada. There was no business conducted, as is usual for this meeting. Ryan and other officers provided news and information about ATA activities and plans for the shows in the coming years.

One of the other themes at the show was the celebration of the 150th anniversary of the completion of the Transcontinental Railroad. The Union Pacific company, which is headquartered in Omaha, was a show sponsor and they arranged to have their steam locomotive No. 4014 "Big Boy" on display at a rail spur only about one quarter mile from the show.

In an unfortunate scheduling conflict, the Big Boy ceremony was held at the same time as the Biology Unit meeting. Incoming ATA President Dawn Hamman, who is also a Unit member, was one of the speakers at this event.

The Union Pacific Big Boy is the only operational engine of the 25 that were built. Only eight still exist. It was built in 1941, and is the largest operational steam locomotive in the world. Its overall length with its tender is almost 133 feet (40.5 m). The locomotive itself weighs 762,000 lb (345,637 kg). With the tender, the total weight is 1.25 million lb (566,990 kg).



Laurie Ryan receiving 25-year award



Union Pacific No. 4014 "Big Boy"



The show Celebration Banquet was held on Saturday evening at the Omaha Hilton hotel adjacent to the convention center. This event was where the honorary awards and the major exhibiting awards were announced and presented. The ATA Distinguished Topical Philatelist award, which is the organization's highest honor was presented by President Hamman to Aimee Devine from Janesville, Wisconsin. See *Biophilately*, Vol. 68 (2) for a description of Aimee's contributions to the ATA.

The APS inducted three persons into its Hall of Fame. One of these was ATA founder Jerome (Jerry) Husak. The others were Thomas J. Alexander and Michael Mellone. Husak was a teenager when he started the ATA in 1949.

The Luff Awards are the most prestigious given by the APS. This year the recipients were Thomas M. Lera, R. Timothy Bartshe, and Kathryn J. Johnson.

Personally I think the ATA awards, and especially the Biology Unit awards outshone the awards given by the APS and the other societies.

Only two of the Biology Unit awards were given out by the jury. Roger Van Laere, a Unit member from Belgium, received a Large Vermeil award and won the Biology Unit First Place award for *Atlantic Puffin: Icon of the Isle of Lundy*.



Biology Unit 1st Award

In the APS Open exhibition, Robert J. Faux won the Grand Award for *Postal History of the 1861 United States 24-cent Adhesive*. Behruz Nassre-Esfahani won the Reserve Grand Award for *Persia, Qajar Postal Stationery, Issued 1876–1925*.

The Open Single Frame Grand Award went to Mick Hadley for *Uses of the 1908 U.S. Coils*. The Union Pacific Most Popular Award in the APS StampShow went to Rick Gibson for *Smokey Bear Issue of 1984*.

In the NTSS exhibition, Norman F. Jacobs, Jr. won the Grand Award for *Tennis – From Game of Kings to Sport for All*. Unit member Dawn Hamman won the NTSS Reserve Grand Award for *Backyard Chickens – Raising Chickens at Home, Then and Now*.

The NTSS Mary Anne Owens One Frame Grand Award went to Mark C. Maestrono for *Men's Gymnastics: Dressed to Win*. Edward Bergen received the NTSS Most Popular Award for *Walt Disney's Second Super Star: Donald Duck*.



Biology Unit 1st, 2nd, and 3rd Awards

Susan B. Jones, also a Unit member from Illinois, received a Vermeil award and won the Biology Unit Second Place for *The Coelacanth and the Comores*.



Biology Unit 2nd Award



NTSS Grand Award



NTSS Reserve Grand Award



Mary Anne Owens One Frame Grand Award

The APS StampShow is the venue for the World Series Multi-frame Champion of Champions Award. This year there were 30 competitors entered, the Grand Award winners from each of the WSP shows since the last C-of-C in 2018.

The winner for 2019 was Dr. Yamil H. Kouri, Jr. representing FLOREX 2018 for *The First Postal Issues of Spanish Antilles*.

In the Literature exhibition, our own Associate Editor, Michael Kogan, received a Large Vermeil for his website [www.paleophilatelie.eu](http://www.paleophilatelie.eu) in the Electronic Media division. Wayne Youngblood received a Large Gold for *Topical Time* in the Journals division.



SR-71 at SAC Museum

On Monday after the show, the ATA offered an all-day tour that included visits to the Strategic Air Command Museum, the Mormon Trail Center, and the Durham Museum. Each venue offered interesting and fantastic attractions. I had never actually seen a B-36 in person. It is the largest mass-produced piston-engine aircraft ever produced. Only five still exist.

Next year the joint APS-ATA-AFDCS show will be held at the Connecticut Convention Center in Hartford, Connecticut, on 20–23 August 2020. The APS is polling its members for a new, more descriptive and inclusive name for these joint shows. Send them your suggestion by 12 September.



### 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 9: Pelicans (Susan Jones)

## Pelican says he's just ...

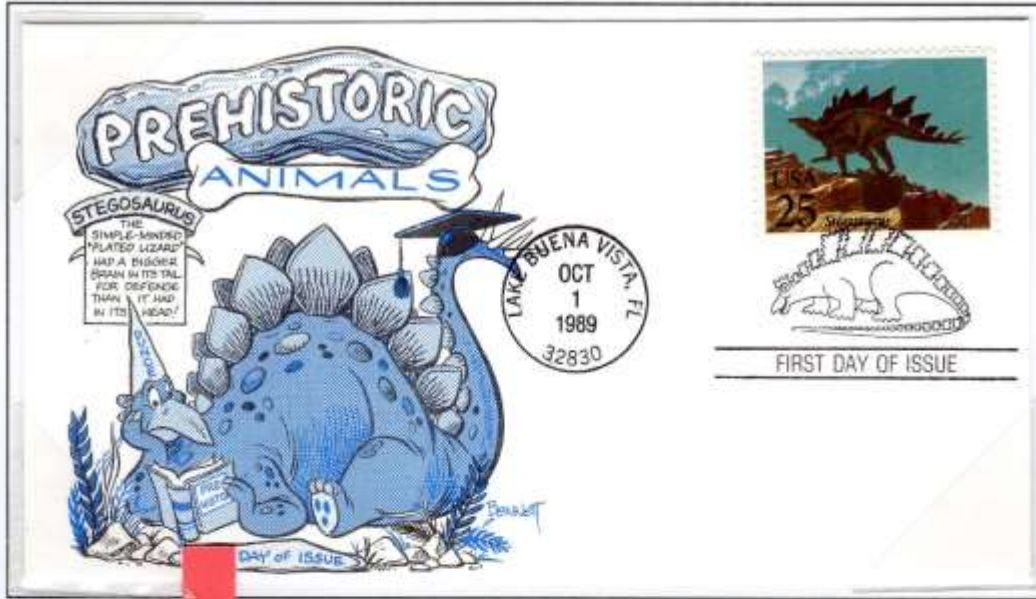
*"Sittin' in the morning sun - I'll be sittin' when the evening comes ...*



*... Watching the ships roll in - Then I watch 'em roll away again, yeah ...  
... I'm just sittin' on the dock of the bay - Wastin' time."*



*from "(Sittin' on) The Dock of the Bay" by Otis Redding*



## Life-Long Learning

**Stegosaurus** takes classes at her local community college - they're **free** for species 65-million-years and older.



**Chapter 1**  
Earth's Crust  
Takes Shape

**Chapter 2**  
Animals Appear  
in the Fossil  
Record

**Chapter 3**  
Trilobites Cruise  
the Cambrian  
Seas

**Chapter 4**  
Amphibians  
Invade the Land

**Chapter 5**  
Early  
Stegosaurids  
Evolve



## APS SUMMER SEMINAR

**Jack R. Congrove, BU1424**

During the last week of June, I attended the Summer Seminar on Philately hosted by the American Philatelic Society (APS) at the American Philatelic Center (APC) in Bellefonte, Pennsylvania. This year the APS celebrated the 40th anniversary of this annual event.

For those who may be unfamiliar with the program, the Summer Seminar is an educational experience that is sort of like a mini-college term. It offers several two-day and four-day courses taught by philatelic experts. You can sign up for one four-day course, or for either one or two two-day courses. The cost depends on the courses you select and includes added general sessions and electives offered each day.



Philatelic Research Seminar by Daniel Piazza, Assistant Curator, National Postal Museum

A general session from 8:00 to 8:45 AM begins each day followed by the morning session of your selected course. Lunch, which is included in your enrollment fee, lasts from 11:30 AM to 12:45 PM. The afternoon session of your selected course ends at 3:00 PM, and one-hour elective courses start at 3:30 PM. At least four elective classes are offered to choose from and they are different classes each day.

This year the Summer Seminar had record 105 students enrolled for the various courses. This was the first time that the enrollment exceeded 100. I am not sure who the youngest attendee was. There were two Youth Scholarship winners attending the seminar and Ameen Zafiruddin, who was in one of my classes, is 17 years old. For sure the oldest student was Wallace Craig from California who celebrated his 92nd birthday during the event. It was his first time at the Summer Seminar, which shows you that it is never too late to learn something new.

Dr. Cathy Brachbill, APS Education Director, oversees and organizes the Seminar. Ross Jones, Education Program Coordinator, coordinates all the events. Their goal is to ensure that the students have great learning opportunities and enjoy their time in Bellefonte. From my point of view, they achieved this goal.

One of the bonus effects of the Seminar is the chance to meet, converse, and socialize with other dedicated philatelists. I saw several good friends and acquaintances there and made several new friends as well.

Another benefit of the location is the chance to visit the APS offices and the American Philatelic Research Library (APRL). Chief Membership Officer, Ken Martin, conducted a guided tour of the APS facility including all the areas that are normally off-limits to the public. The APC owns the restored Match Factory building and occupies about 55,000 of the total 100,000 square feet of space. The other footage is rented to local businesses and the rent received covers most of the facility expenses.

It is an impressive facility and I was most impressed in the warehouse area where donated philatelic material is stored and sorted. This very large area is overseen by volunteers Leonard and Darleen Bloom, who were also handling sales in the Stamp and Cover Shop. There is so much material there, that I think it would take a company of soldiers many months to sort it all. The sales area was offering terrific bargains on collections, individual stamps and covers, and other material just so they could clear it out. I purchased several items at steep discounts.

Librarian Scott Tiffney, led tours of the APRL. It is the largest philatelic library in the United States and has one of the world's largest and most accessible collections of philatelic literature. Its nearly four miles of shelving contain more than 23,000 book titles and 5,700 journal titles. They are working to increase their digital collections. The

library is open to the public and APS members can borrow books directly by mail. There were also many excess volumes on sale at the Stamp and Cover Shop at super bargain prices.

While I was there, I spent some time scanning about three dozen back issues of publications that were missing from digital archives I am assembling. There is no cost for this when you do it in person.

On Monday after classes, a bus load of us visitors went on a guided walking tour of the Penn State University campus that included dinner in the campus cafeteria. It has been 50 years since I graduated from college and the cafeteria certainly has changed since then. The food was good and there was a huge variety, from entrees to short order items, and it was “all-you-can-eat.” When I was 19 years old, I could eat A LOT. Not so much anymore.

On Wednesday evening, the APS held its Distinguished Philatelist Banquet in Sundman Hall preceded by a reception offering cocktails provided by Big Spring Spirits distillery, conveniently an APC tenant business located literally next door. The honoree this year was Wayne Youngblood. Youngblood is a well-known philatelic author and editor, who has also served on the APS Board of Directors and as an expert for American Philatelic Expertizing. He is the editor of the ATA journal *Topical Time*. In addition, he was teaching one of the four-day classes on “Stamp Technology,” and has taught at the Summer Seminar for 28 years.

If you are wondering, I took two of the two-day classes. The first was “Collecting and Exhibiting Picture Postcards” taught by Phil Stager and Bill Schultz. This class dealt more with the aspects of exhibiting these cards than with their identification and production. However, the instructors provided many useful tips on treating these cards. The class also provided example exhibits and discussions with experienced exhibitors.

The second course I took was “Facets of Highly Successful Exhibits” taught by Bill Schultz. This class also had several philatelic judges and advanced exhibitors as students. The discussions generated among the class members were both interesting and informative. I found the advice I received to be highly useful to help in improving my exhibit assembly and production.

I plan to attend the seminar again next year and strongly recommend it to others interested in learning more about the many aspects of our hobby.



Brisk Sales at the Stamp and Cover Shop



# BOTANY

Editor

Christopher E. Dahle, BU1269



## New Listings

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
<b>ARMENIA</b> <b>2018 December 19</b> (Flora & Fauna) (Set/2)				
1166	230d	Pomegranate, <i>Punica granatum</i>	Punicaceae	Fl A
<b>FR. SOUTH. &amp; ANTARCTIC TERR.</b> <b>2019 January 2</b> (Restoration of Amsterdam Island plant) (SS/1)				
612	95c	Phyllica, <i>Phyllica arborea</i>	Rhamnaceae	V A SS Z
<b>GERMANY</b> <b>2019 April 4</b> (Flower Type of 2005) (Bklt/10)				
3086	5c	Phlox, <i>Phlox paniculata</i>	Polemoniaceae	Fl A
3086a		Bklt/10 (Sc#3086)		
<b>MOLDOVA</b> <b>2019 March 14</b> (Flowering Shrubs) (Set/4)				
1023	1.20l	European Cranberry bush, <i>Viburnum opulus</i> 'Roseum'	Adoxaceae	Fl A
1024	2l	Lilac, <i>Syringa vulgaris</i>	Oleaceae	Fl A
1025	4l	Forsythia, <i>Forsythia</i> × <i>intermedia</i>	Oleaceae	Fl A
1026	5.75l	Jasmine, <i>Jasminum officinale</i> (= <i>Jasminus communis</i> )	Oleaceae	Fl A
<b>MONACO</b> <b>2019 February 18</b> (Intl. Flower Arrangement Festival) (Single)				
2959	88c	Bird-of-Paradise, <i>Strelitzia reginae</i>	Strelitziaceae	Fl B
		Lilies, <i>Lilium bulbiferum</i>	Liliaceae	Fl B
<b>MOROCCO</b> <b>2017 October 31</b> (Flora & Fauna) (Horiz Pair)				
1237a	3.75d	Dragon Tree, <i>Dracaena draco</i>	Asparagaceae	T A
<b>PAPUA NEW GUINEA</b> <b>2018 May 21</b> (Processing Coffee) (Set/4, MS/4, SS/1)				
1936	1.60k	Coffee, <i>Coffea arabica</i> (hand sorting)	Rubiaceae	Fr B
1937	3.45k	Coffee, <i>Coffea arabica</i> (roasting)	Rubiaceae	Fr B
1938	5k	Coffee, <i>Coffea arabica</i> (grinding)	Rubiaceae	Fr B
1939	6.90k	Coffee, <i>Coffea arabica</i> (packaging)	Rubiaceae	Fr B
1940a	1.60k	Coffee, <i>Coffea arabica</i> (picking berries)	Rubiaceae	Fr B
1940b	3.45k	Coffee, <i>Coffea arabica</i> (drying)	Rubiaceae	Fr B
1940c	5k	Coffee, <i>Coffea arabica</i> (packing beans)	Rubiaceae	Fr B
1940d	6.90k	Coffee, <i>Coffea arabica</i> (export)	Rubiaceae	Fr B
1941	SS 16k	Coffee, <i>Coffea arabica</i> (w/ beans)	Rubiaceae	Fr A SS Z
<b>PARAGUAY</b> <b>2017 November 6</b> (Atyra: Sustainable City Model) (SS/1+3 labels)				
3074	SS 5000g	U/I flowers (Cap: "potpourri de flores silvestres")		Fl U SS Z
<b>2018 March 26</b> (50th anniv. Italo-Latin American Institute) (Horiz Pair)				
3079b	10000g	Oranges, <i>Citrus sinensis</i>	Rutaceae	Fl B
		Olives, <i>Olea europaea</i>	Oleaceae	Fl B
<b>PHILIPPINES</b> <b>2017 October 16</b> (Flowers Type of 2017) (SS/4+2 labels)				
3742a	SS 12p	<i>Begonia oxysperma</i>	Begoniaceae	Fl A SS
3742b	SS 12p	<i>Coelogyne candoonensis</i>	Orchidaceae	Fl A SS
3742c	SS 12p	Jade vine, <i>Strongylodon macrobotrys</i>	Fabaceae	Fl A SS
3742d	SS 12p	<i>Plocoglottis lucbanensis</i>	Orchidaceae	Fl A SS

<b>PHILIPPINES</b> (continued)		<b>2018 April 23</b> (Flowers) (Set/5)			
3772	1p	Jasmine, <i>Jasminum sambac</i>		Oleaceae	Fl A
3773	5p	Hibiscus, <i>Hibiscus</i> sp.		Malvaceae	Fl A U
3774	12p	Shrub Vinca, <i>Kopsia fruticosa</i>		Apocynaceae	Fl A
3775	17p	Bird-of-Paradise, <i>Strelitzia reginae</i> (issued: 2018 October 9)		Strelitziaceae	Fl A
3776	35p	Carruthers' Falseface, <i>Pseuderanthemum carruthersii</i> (= <i>reticulatum</i> )		Acanthaceae	Fl A
<b>PITCAIRN ISLANDS</b>		<b>2018 November 11</b> (Centenary End of WWI) (MS/6)			
849a	\$1	Poppy, <i>Papaver rhoeas</i>		Papaveraceae	Fl B
849f	\$3	Poppy, <i>Papaver rhoeas</i>		Papaveraceae	Fl A
<b>PORTUGAL</b>		<b>2018 May 7</b> (250th anniv. Ajuda Botanical Gardens) (Set/4 & SS/1)			
4012	(53c)	Gardens (w/ fountain) (inscr. "N")			V U
4013	(65c)	U/I trees (inscr. "A")			T A U
4014	(86c)	U/I trees (w/ pathway) (inscr. "E")			T A U
4015	(91c)	U/I trees (w/ stairway) (inscr. "I")			T A U
		<b>2018 July 13</b> (Chocolate) (Set/4 & SS/1)			
4045	53c	Cacao, <i>Theobroma cacao</i> (pod & seeds)		Malvaceae	Fr A
4049	SS €1.50	Cacao, <i>Theobroma cacao</i> (pod & seeds)		Malvaceae	Fr A SS Z
<b>PORTUGAL (Madeira)</b>		<b>2018 June 22</b> (600th anniv. Discovery of Madeira) (Set/4 & SS/1)			
369	53c	Corn, <i>Zea mays</i> (w/ cows)		Poaceae	Fr B
370	86c	Dragon Tree, <i>Dracaena draco</i> (w/ people)		Asparagaceae	T B
371	91c	Sugar Cane, <i>Saccharum officinarum</i> (w/ cows)		Poaceae	V B
372	SS €1.50	Dragon Tree, <i>Dracaena draco</i> (w/ man)		Asparagaceae	T B SS Z
<b>ROMANIA</b>		<b>2018 August 17</b> (Flora & Fauna Domogled-Cerna Valley Park) (Set/4 & SS/4)			
6158	1.60l	<i>Edraianthus graminifolius</i> ssp. <i>kitaibelii</i>		Campanulaceae	Fl A
6158a		MS/5 + label (Sc#6158)			
6159	2l	<i>Primula auricula</i> ssp. <i>serratifolia</i>		Primulaceae	Fl A
6159a		MS/5 + label (Sc#6159)			
Note		SS/4 (Sc#6158–61) (printed in limited quantities)			
<b>RUSSIA</b>		<b>2019 March 26</b> (Apple Varieties) (Block/4)			
8009a	45r	Bogatyr, <i>Malus × domestica</i>		Rosaceae	Fr A
8009b	45r	Belyi Naliv, <i>Malus × domestica</i>		Rosaceae	Fr A
8009c	45r	Antonovka Obyknoennaya, <i>Malus × domestica</i>		Rosaceae	Fr A
8009d	45r	Orlik, <i>Malus × domestica</i>		Rosaceae	Fr A
<b>ST. THOMAS &amp; PRINCE IS.</b>		<b>2016 November 10</b> (Rotary, Butterflies & Flowers) (MS/4 & SS/1)			
3202a	31000d	<i>Brillantaisia owariensis</i>		Acanthaceae	Fl B
3202b	31000d	Parrot's Beak, <i>Heliconia psittacorum</i>		Heliconiaceae	Fl B
3202c	31000d	<i>Sobralia macrantha</i>		Orchidaceae	Fl B
3202d	31000d	<i>Cypripedium lowii</i>		Orchidaceae	Fl B
3220	SS 120000d	<i>Sobralia macrantha</i>		Orchidaceae	Fl B SS Z
		<b>2017 March 13</b> (Orchids) Set/4; SS/1			
3252a	31000d	<i>Guarianthe aurantica</i>		Orchidaceae	Fl A
3252b	31000d	<i>Laeliocattleya</i> 'Gold Digger'		Orchidaceae	Fl A
3252c	31000d	<i>Cattleya amethystoglossa</i>		Orchidaceae	Fl A
3252d	31000d	<i>Dendrobium victoriae-reginae</i>		Orchidaceae	Fl A
3271	SS 120000d	<i>Laelia cinnabarina</i> (also LL margin)		Orchidaceae	Fl A SS Z
	Margin	R: <i>Laelia flava</i>		Orchidaceae	Fl A SS Z



<b>ST. VINCENT</b>		<b>2018 December 31</b> (Animals in World War I) (MS/4 & SS/2)		
4163	Margin	Bot: Poppy, <i>Papaver rhoeas</i>	Papaveraceae	Fl Z
4164	Margin	LL & LR: Poppy, <i>Papaver rhoeas</i>	Papaveraceae	Fl SS Z
<b>SINGAPORE</b>		<b>2018 July 24</b> (Native Ginger Plants) (Set/4)		
1900	(30c)	<i>Zingiber singapurense</i> (inscr. "1st Local")	Zingiberaceae	Fl V A
1901	70c	<i>Cheilocostus globosus</i>	Costaceae	Fl V A
1902	90c	<i>Phrynium hirtum</i>	Marantaceae	Fl V A
1903	\$1.30	<i>Conamomum xanthophlebium</i>	Zingiberaceae	Fl V A
<b>SLOVENIA</b>		<b>2019 March 22</b> (Hydrangeas) (Set/3 & SS/1)		
1329	€1.17	Panicle Hydrangea, <i>Hydrangea paniculata</i>	Hydrangeaceae	Fl A
1330	€1.30	Mountain Hydrangea, <i>Hydrangea macrophylla</i> ssp. <i>serrata</i> (Syn: <i>Hydrangea serrata</i> )	Hydrangeaceae	Fl A
1331	€1.31	Oakleaf Hydrangea, <i>Hydrangea quercifolia</i>	Hydrangeaceae	Fl A
1332	SS €1.40	Bigleaf Hydrangea, <i>Hydrangea macrophylla</i>	Hydrangeaceae	Fl A SS
<b>SOUTH AFRICA</b>		<b>2018 May 31</b> (National Parks) (Set/5)		
1574a	(4.20r)	U/I tree (Mokala National Park)		T A U
<b>SPAIN</b>		<b>2018, November 7</b> (Eucalyptus Leaf) (Single)		
Shaped as a eucalyptus leaf and impregnated with eucalyptus scent.				
4315	(€1.45)	, <i>Eucalyptus</i> sp. (inscr. "C")	Myrtaceae	V A
		<b>2019 January 28</b> (Almería: 2019 Gastronomic Capital) (Single)		
4337	(70c)	Stylized Tomato (heart shaped w/ other vegetables) (inscr. "A2")		Fr S B
<b>SRI LANKA</b>		<b>2019 February 26</b> (Spices) (Set/4 & SS/4)		
2176	15r	Cinnamon, <i>Cinnamomum zeylanicum</i>	Lauraceae	V A
2177	15r	Pepper, <i>Piper nigrum</i>	Piperaceae	Fr A
2178	15r	Cloves, <i>Syzygium aromaticum</i>	Myrtaceae	Fl A
2179	15r	Nutmeg, <i>Myristica fragrans</i>	Myristicaceae	Fr A
2179a		SS/4 (Sc#2176–79)		
<b>SUDAN</b>		<b>2018</b> (Surcharges) (Set/4)		
667	£10	Date palm, <i>Phoenix dactylifera</i> (Sc#155a surch)	Arecaceae	T A
<b>SWEDEN</b>		<b>2018, May 3</b> (Edible Plants & Flowers) (Horiz Strip/5 & Bklt/10)		
2821a	(9k)	Löktrav (Garlic Mustard), <i>Alliaria petiolata</i>	Brassicaceae	V B
		Luktviol (Violet), <i>Viola odorata</i>	Violaceae	Fl B
2821b	(9k)	Ramslök (Wild Garlic), <i>Allium ursinum</i>	Amaryllidaceae	V B
		Tusensköna (Daisy), <i>Bellis perennis</i>	Asteraceae	Fl B
2821c	(9k)	Vatarv (Chickweed), <i>Stellaria media</i>	Caryophyllaceae	V B
		Jordreva (Ground Ivy), <i>Glechoma hederacea</i>	Lamiaceae	Fl B
2821d	(9k)	Maskros (Dandelion), <i>Taraxacum campylodes</i>	Asteraceae	Fl B
		Alm (Elm Seeds), <i>Ulmus procera</i>	Ulmaceae	Fr B
2821e	(9k)	Sommargyllen (Bittercress), <i>Barbarea vulgaris</i>	Brassicaceae	Fl V B
		Brännässla (Nettle), <i>Urtica dioica</i>	Urticaceae	Fl V B
2821f		Bklt/10 (2ea Sc#2821a–e)		
		<b>2019 January 10</b> (Tulips) (Coil Set/2, Horiz Strip/5, Bklt/10)		
2834	5k	<i>Tulipa</i> × <i>hybrida</i>	Liliaceae	Fl A
2835	21k	<i>Tulipa</i> × <i>hybrida</i>	Liliaceae	Fl A
2836a	(9k)	<i>Tulipa</i> × <i>hybrida</i> (one pink)	Liliaceae	Fl A
2836b	(9k)	<i>Tulipa</i> × <i>hybrida</i> (one pink & yellow w/ stamens)	Liliaceae	Fl A

**SWEDEN** (continued)

2836c	(9k)	<i>Tulipa</i> × <i>hybrida</i> (one pink & yellow w/o stamens)	Liliaceae	Fl A
2836d	(9k)	<i>Tulipa</i> × <i>hybrida</i> (one pink & one pink/yellow)	Liliaceae	Fl A
2836e	(9k)	<i>Tulipa</i> × <i>hybrida</i> (one pink/yellow & one red/yellow)	Liliaceae	Fl A
2836f		Bklt/10 (2ea Sc#2836a–e)		

**SWITZERLAND****2018 November 15** (Medicinal Plants) (MS/4)

1703a	100c	Auricula Muris (Mouse-ear), <i>Pilosella officinarum</i>	Asteraceae	V A
1703b	100c	Aconitum, <i>Aconitum heterophyllum</i>	Ranunculaceae	V A
1703c	100c	Sea Spurge, <i>Euphorbia paralias</i> (= <i>Tithymalus paralias</i> )	Euphorbiaceae	V A
1703d	100c	Scolymus non aculeatus (Artichoke), <i>Cynara cardunculus</i>	Asteraceae	V A

**2019 May 2** (Vintner's Festival) (Horiz Strip/3)

1727a	100c	Grapes, <i>Vitis vinifera</i>	Vitaceae	Fr A
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**2019 May 2** (Land Art by Ivo Moosberger) (Block/4)

1728	85c	Buttercup Rings, <i>Ranunculus acris</i>	Ranunculaceae	Fl B
1729	100c	Willow Rod Spheres, <i>Salix</i> sp.	Salicaceae	V B U

**SYRIA****2018** (National Environment Day) (Single)

1771	£450	U/I tree (against orange & blue bkgrd)		T A U
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**TANZANIA****2018?** (Surcharges) (Set/5)

2829	1400sh	Cloves, <i>Syzygium aromaticum</i> (Sc#2520 surch)	Myrtaceae	Fr A
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**THAILAND****2019 February 7** (Roses) (Single)

3050	5b	Roses, <i>Rosa</i> × <i>hybrida</i> (impregnated w/ rose scent)	Rosaceae	Fl A
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**TOKELAU****2019 May 1** (Tradition of Sharing Foods) (Set/4 & SS/4)

501	45c	Taro leaves, <i>Colocasia esculenta</i>	Araceae	V A
502	\$1.40	Breadfruit leaves, <i>Artocarpus altilis</i>	Moraceae	V A
504	\$3	Coconuts, <i>Cocos nucifera</i>	Arecaceae	Fr A
504a		SS/4 (Sc#501–04)		

**TRINIDAD & TOBAGO****2018 December 6** (200th anniv. Royal Botanic Gardens) (Set/5 & SS/1)

Each stamp is shaped like a leaf.

943	\$1	<i>Ixora</i> , <i>Ixora</i> sp.	Rubiaceae	Fl A U
944	\$2	Buttercup, <i>Ranunculus</i> sp.	Ranunculaceae	Fl A U
945	\$3.25	Black-eyed Susan, <i>Thunbergia alata</i>	Acanthaceae	Fl A
946	\$4	Flamboyant, <i>Delonix regia</i>	Fabaceae	Fl A
947	\$6.50	Croton, <i>Codiaeum variegatum</i>	Euphorbiaceae	V A
948	SS \$30	Double Chaconia, <i>Warszewiczia coccinea</i>	Rubiaceae	Fl A

**UKRAINE****2018 July 13** (Flowers) (Set/4)

1159	5h	Dog Rose, <i>Rosa canina</i>	Rosaceae	Fl A
1160	5h	Lungwort, <i>Pulmonaria obscura</i>	Boraginaceae	Fl A
1161	5h	St. John's Wort, <i>Hypericum maculatum</i>	Hypericaceae	Fl A
1162	5h	Valerian, <i>Valeriana officinalis</i>	Caprifoliaceae	Fl A

**2018 November 30** (Flora & Fauna Carpathian Biosphere Reserve)(MS/6)

1183b	7h	Beech tree, <i>Fagus sylvatica</i>	Fagaceae	T A MS
1183d	7h	<i>Rhododendron myrtifolium</i>	Ericaceae	Fl A MS
1183e	7h	<i>Narcissus angustifolius</i>	Amaryllidaceae	Fl A MS

**URUGUAY****2018 December 21** (Centenary End of WWI) (Single)

2655	65p	Poppies, <i>Papaver rhoeas</i>	Papaveraceae	Fl A
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**UZBEKISTAN****2019 January 24** (Flowers) (MS/4)

872a	900s	Pheasant's Eye, <i>Adonis vernalis</i>	Ranunculaceae	FI A MS
872b	1000s	Johnny Jump Up, <i>Viola tricolor</i>	Violaceae	FI A MS
872c	2700s	<i>Iris hippolyti</i>	Iridaceae	FI A MS
872d	2800s	Marigold, <i>Tagetes erecta</i>	Asteraceae	FI A MS

**VIET NAM****2018 March 1** (Bauhinia Flowers) (Set/2 & SS/1)

3592	3000d	Orchid Tree, Mountain Ebony, <i>Bauhinia variegata</i> (denom LL)	Fabaceae	FI A
3593	3000d	Orchid Tree, Mountain Ebony, <i>Bauhinia variegata</i> (denom LR)	Fabaceae	FI A
3594	SS 14000d	Orchid Tree, Mountain Ebony, <i>Bauhinia variegata</i>	Fabaceae	FI A

**WALLIS & FUTUNA****2018 September 5** (Frangipani Flowers) (MS/4)

803a	55fr	Frangipani, <i>Plumeria rubra</i> (red flowers)	Apocynaceae	FI A MS
803b	55fr	Frangipani, <i>Plumeria alba</i> (white flowers)	Apocynaceae	FI A MS
803c	55fr	Frangipani, <i>Plumeria rubra</i> (pink flowers)	Apocynaceae	FI A MS
803d	55fr	Frangipani, <i>Plumeria alba</i> (yellow flowers)	Apocynaceae	FI A MS

**MALAYSIA SOUR FRUITS**

On 19 June 2019, Malaysia issued a set of three stamps and a SS/1 octagonal stamp showing four variants of the "asam" plant and fruit. The stamps highlight the use and diversity of asam and how the plant grows and spreads in the natural environment. The fruits are found in the forests of Peninsular Malaysia and in Sabah and Sarawak.

According to Haidan Abdul Rahman, head of the Malaysia Post Philatelic Unit, "Often the asam is made into a pickle and the stamp series will show the other side of its use in cuisine and medicine which up to now, is rarely known by our society."

Each stamp was printed in quantities of 200,000 along with 22,000 of the souvenir sheet.

The False Mangosteen (*Garcinia xanthochymus*) fruit is 5–9 cm diameter containing yellow flesh and five oblong seeds.

Asam Embang (*Mangifera pajang*) can be up to 20 cm diameter with sweet and juicy flesh.

Asam Kelubi (*Eleiodoxa conferta*) is often pickled and used as a substitute for tamarind.

The Tamarind (*Tamarindus indica*) produces a pod-like fruit that contains a brown, edible pulp used in cuisines around the world.





## LICHENS

On 27 June 2019, Belarus issued a set of three stamps and a souvenir sheet of six showing lichens. Each stamp also shows a small insect (see the listing in the Entomology column).

There are not many stamps that feature lichens. The American Topical Association dATABase from which it generates its topical checklists shows only 25 entries pertaining to this botanical subject not counting these. It could be easy to acquire a complete collection of this topic.

Marina Vitkovaskaya designed the stamps based on artwork by Alexander Mityanin. They were printed on chalk-surfaced paper using offset lithography by “Bobruisk Integrated Printing House named after A. T. Nepogodin,” and perforated 13×13½.

Each design was issued in a separate miniature sheet of nine (4,000 sheets each) along with a souvenir sheet of six (15,000 sheets) containing two of each design.

The letter denominations pay the following rates:

A (42k): Domestic letter up to 20 grams weight within Belarus.

M (1.38r): International air mail postcard

H (1.50r): International surface letter up to 20 grams weight

Lichens are organisms formed as a result of the symbiosis of a fungus with different combinations of algae and/or cyanobacteria. Lichens are important for the biosphere. They grow on rocky and sandy terrain where there is no soil and help to break these down to form soil. Lichens also provide living conditions for other organisms.

Lichens are used to obtain dyes, sugar, alcohol, and some medicinal substances. They are among the first living organisms to suffer from air pollution. Their reaction to air pollution is used in the lichen-indication method for assessment of the degree of air pollution in cities and in forests.

The first stamp shows the Common Orange Lichen (*Xanthoria parietina*). It grows on rocks, walls, or tree bark and has been reported in all continents except South America and Antarctica. This lichen also appears on the tree bark in the right-hand margin of the souvenir sheet.

The middle stamp shows the Lungwort Lichen (*Lobaria pulmonaria*). This lichen consists of a fungus and a green algal partner living together in a symbiotic relationship with a cyanobacterium—a symbiosis involving members of three kingdoms of organisms. It occurs in Europe, Asia, North America, and Africa, and is considered threatened in many areas.

The final stamp shows Devil's Matchsticks (*Cladonia floerkeana*). It is a symbiosis of an algae and a fungus and grows in damp places and on rotting wood. It is found in Europe and North America.





## NEW PLANTS IN THE PHILATELIC HERBARIUM

Christopher E. Dahle, BU1269



*Juniperus semiglobosa* CUPRESSACEAE

Common Name: Himalayan Pencil Juniper

Synonyms: *J. semiglobosa* var. *drobovii*, *J. semiglobosa* var. *talassica*, *J. semiglobosa* ssp. *talassica*

Erect, evergreen tree with a rather loose and narrow often weeping head growing 10–20 m. Found in mixed conifer forest on open rocky slopes or outcrops, juniper woodland, glacial moraines (often forming groves), subalpine scrub, river terraces, scree slopes and other dry, stony ground at elevations from 1550–4350 m. Range from Kazakhstan, Kyrgyzstan, Tajikistan, Uzbekistan, Afghanistan, western China (Xinjiang, Xizang), Pakistan, and northwestern India to Nepal.

Uzbekistan, Sc#861c. Issued 6 August 2018, in a MS/8 featuring flora and fauna of Zomin Nature Reserve. Designed by U. Yusupaliev. Print run of 8,000.



*Eremurus chloranthus* ASPHOLDELACEAE

Common Name: Foxtail Lily

Synonyms: *Henningia chlorantha*

Perennial herb, with vertical short rhizomes and tuberous roots with basal, linear leaves. Inflorescence usually a dense elongated many-flowered raceme, 120–150 cm. Listed as extinct in Uzbekistan. Native to western and central Asia up to 6000 m.

Uzbekistan, Sc#861e. Issued 6 August 2018, in a MS/8 of flora and fauna of Zomin Nature Reserve. Designed by U. Yusupaliev. Print run of 8,000.



*Tiputinia foetida* BURMANNIACEAE

New genus of flowering plants described in 2007. Single individual of this achlorophyllous mycoheterotroph was found flowering in leaf litter at the Tiputini Biodiversity Station in Amazonian Ecuador. Almost completely subterranean herb, 2 cm high when in flower. Single flower, with six olive yellow translucent tepals, 4.5–5 cm diameter, with leaves and bracts spirally arranged beneath the flower. Flower emits a foul fish-like odor.

Ecuador, Sc#2224d. Issued 11 December 2018, in a MS/9 to commemorate the scientific contributions of San Francisco University in Quito. Printed by offset in quantity of 2,000. Designed by Santiago Gangotena and Ricardo Vásquez.



*Trifolium arvense* FABACEAE

Common Names: Hare's-foot Clover; Stone Clover, Oldfield Clover

Synonyms: 11

Annual (occasionally biennial) herb, 10–40 cm, with erect to ascending hairy stems, and alternate trifoliate leaves. Minute flowers form dense, fuzzy round to cylindrical heads 1.5–3 cm. Blooms June to September. Grows in part shade or sun on dry sandy soil in disturbed sites. Originally from Eurasia. Considered invasive in the U.S.

Netherlands, Sc#1567b. Issued 9 April 2018, in a MS/10. The second in a series of four, one for each season, titled "Experience nature: Wildflowers." Designer Frank Janse, Gouda from amateur photographs sent to PIXFACTORY website. Printed by Joh. Enschedé Security

Print, Haarlem, Netherlands.

***Briza media*** POACEAE

Common Names: Quaking Grass, Cow-quake, Didder, Dithering-grass, Dodder-grass

Synonyms: 30

Perennial rhizomatous herb with a clump of narrow erect leaves 7–15 mm wide and 30–40 cm tall. Greenish flowers in spring produce purple to tan seeds dangling on thread-like stems. Found in unimproved, species-rich, well-managed grassland on infertile calcareous soils and favoring well-drained slopes. Native to Eurasia.

Netherlands, Sc#1567g. Issued 9 April 2018, in MS/10.

***Notothlasi rosulatum*** BRASSICACEAE

Common Name: Penwiper

Perennial herb. Pinkish leaves form closely overlapping rosette. Sweet-smelling cream flowers. Grows on scree slopes. Endemic to South Island of New Zealand.

New Zealand, Sc#2840. Issued 13 February 2019, in Set/6 Native Alpine Flora. Designed by Stephen Fuller. Printed by lithography on Tullis Russel 104 gsm red phosphor gummed stamp paper by Southern Colour Print, Dunedin, New Zealand. Printed in panes of 25 and MS/6.

***Craspedia incana*** ASTERACEAE

Common Name: Woolyheads

Perennial herb 20–30 cm. Leaves and scapes densely covered in soft white floccose tomentum. Leaves 5–10 × 2–3 cm form a rosette. Yellow flowers appear on scape 10–30 cm long in summer. Grow on limestone scree. Endemic to New Zealand.

New Zealand, Sc#2842. Issued 13 February 2019, in Set/6 Native Alpine Flora.

***Myosotis bryonoma*** BORAGINACEAE

Common Name: Moss-dwelling Forget-me-nots

First described in 2018. Minute herb. Rosette leaves fleshy, bearing hairs on the leaf underside orientated parallel to midrib. Flowers 1–3 per inflorescence, less than 50 mm long, subtended by a cauline leaf. White or yellow flowers, 1.3–6.6 mm diameter, in November–April. Fruit appear February–April. High elevation bogs and wet places in mountain ranges of Otago, New Zealand.

New Zealand, Sc#2844. Issued 13 February 2019, in Set/6 Native Alpine Flora.

***Begonia oxysperma*** BEGONIACEAE

Perennial, trailing, scandent herb. Found in primary forests, on trees or cliffs, 400–1900 m on Luzon.

Philippines, Sc#3742a. Issued 16 October 2017, in set of Endemic Flowers of the Philippines. Designed by Aimee Cabingo. Printed as SS/4 + 2 labels in Litho Offset by Amstar Printing Company, Inc. Print run of 5,000.

***Coelogyne candoonensis*** ORCHIDACEAE

Medium sized, cool growing epiphyte. Pseudobulbs carry two narrowly elliptic to lanceolate, petiolate base leaves. Blooms in late spring and early summer on a terminal, erect then arching, rachis to 30 cm long. Flowers are 3 cm. Found on Mindanao Island of the Philippines at elevations around 1500 m.

Philippines, Sc#3742b. Issued 16 October 2017, on a SS with labels as part of the Endemic Flowers of the Philippines.



***Plocoglottis lucbanensis* ORCHIDACEAE**

Terrestrial herb with purple pseudobulbs covered by persistent fibers. Lanceolate leaves. Blooms in fall and early winter on a stem 50 cm with few flowers. Found on Philippine islands around 1000 m.

Philippines, Sc#3742d. Issued 16 October 2017, on a SS with labels as part of the Endemic Flowers of the Philippines.

***Pseuderanthemum carruthersii* (=reticulatum) ACANTHACEAE**

Common names: Pasaw (Tagalog), Yellow-vein Eranthemum  
Synonyms: 14 synonyms

Erect, multi-branched and evergreen perennial shrub to 12 m. Simple, entire and ovate leaves, 7.6–12.7 cm. Produces small white flat-faced flowers, five-lobed with two fused together, and dotted with magenta-purple spots. Flowers in branched clusters on an upright spike at the branch tips. Native to forests of Polynesia and Melanesia.

Philippines, Sc#3776. Issued 23 April 2018, for Flowers Definitives – Series 1. Print run of 500,000 by Litho Offset in sheets of 100 by Amstar Printing Company, Inc., Quezon City.

***Laeliocattleya* 'Gold Digger' ORCHIDACEAE**

Registered in 1974 as a hybrid between two hybrid parents, Ctt. Red Gold × Catt. Warpaint. Epiphytic perennial herb.

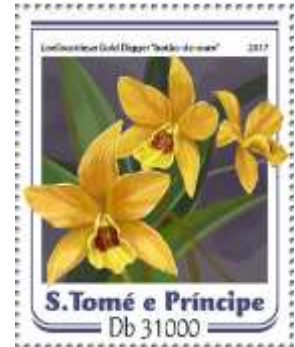
St. Thomas & Prince Islands, Sc#3252b. Issued 13 March 2017, in a MS/4.

***Dendrobium victoriae-reginae* ORCHIDACEAE**

Synonyms: *D. victoriae-reginae* f. *album*, *D. victoriae-reginae* var. *miyakei*

Large epiphyte. Pendulous branching nodally swollen stems. Blooms all year on short erect racemes. Flower color is variable. Flowers are 2.5 cm. Grows in dense, mossy forests with oaks, rhododendrons, azaleas, and myrtles, at altitudes of 1300–2650 m. Endemic to the Philippines. Found on the islands of Camiguin, Luzon, Mindanao, Mindoro, and Negros.

St. Thomas & Prince Islands, Sc#3252d. Issued 13 March 2017, in MS/4.

***Zingiber singaporense* ZINGIBERACEAE**

New species described in 2014. Rhizomatous, perennial herb to 0.8 m. Leaf blades are narrowly ovate, measuring 15–22 cm long and 2–3 cm wide. Inflorescences are about 23 cm long, with showy orange-red to white bracts. Flower is cream-white to pale yellow, and measures about 6–7 cm. Appear in May–June. Grows in shady moist areas in primary and mature secondary forest.

Singapore, Sc#1900. Issued 24 July 2018, in a Set/4 Native Ginger plants. Designed by Ivory Seah from paintings by Waiwai Hole. Printed in offset lithography by Secura Singapore Pte Ltd. on unwatermarked paper.

***Cheilocostus globosus* COSTACEAE**

Common Names: Crepe Ginger, Malay Ginger  
Synonym: 8 synonyms

Rhizomatous unbranched perennial herb to 1–1.5 m. Basal flowers on leafless shoot are light yellow to bright red. Distribution restricted to S.E. Asia, Malaysia, and New Guinea.

Singapore, Sc#1901. Issued 24 July 2018, as Native Ginger Plants.



***Phrynium hirtum* MARANTACEAE**Synonyms: *Phrynium inflatum*

Rhizomatous terrestrial herb to 1.2–1.3 m. About six leaves per shoot, oblong to elliptic 33–55 × 12–16 cm. Inflorescence terminal on leafy shoot atop a 60–70 cm stem with single leaf. White flowers, 2.5 cm long, subtended by bracts. Grow in primary forests from peninsular Malaysia to Sumatra and Borneo.

Singapore, Sc#1902. Issued 24 July 2018, as Native Ginger Plants.

***Conamomum xanthophlebium* ZINGIBERACEAE**Synonyms: *C. citrinum*, *C. sericeum*, *C. utriculosum*

Rhizomatous perennial herb to 5 m. Leaves oblong-lanceolate up to 80 × 120 cm. Florescence is an ellipsoidal spike 12–24 × 8–9 cm. Bracts deep red. Flowers 2–3.5 cm, crimson. Grows in lowland forests to 1300 m.

Singapore, Sc#1903. Issued 24 July 2018, as Native Ginger Plants.

***Euphorbia paralias* EUPHORBIACEAE**

Common Name: Sea Spurge

Synonyms: *Eusia paralias*, *Euphorbia malacitana*, *Euphorbion paralium*, *Galarheous paalias*, *Tithymalus maritimus*, *T. paralias*

Glaucous perennial to 70 cm. Leaves pale green with prominent midrib, fleshy. Flowers in umbel-like clusters, pale green, from June to October. Grows on coastal sands and dunes. Native to Europe, northern Africa, and western Asia.

Switzerland, Sc#1703c. Issued 15 November 2018, in a MS/4 Medicinal Plants. Inspired by the book of herbs by Italian doctor and botanist Pietro Andrea Mattioli (1501–1577) they were designed by Fanny Hartmann of Berne. Printed in four colors by offset at Joh. Enschedé, Haarlem, Netherlands.

***Rhododendron myrtifolium* ERICACEAE**Synonym: *R. kotschyi*

Compact creeping shrub to 0.6 m. Shiny, dark green elliptic to oblanceolate leaves, 2.5 cm. Rose or purple-pink flowers, 1.2–2 cm, in clusters of 3–7, bloom April–May. Native to the Carpathian and Balkan mountains of Bulgaria, Slovenia, Romania, and southwest Russia, at 1500–2400 m.

Ukraine, Sc#1183d. Issued 30 November 2018, in a MS/6 featuring flora and fauna of the Carpathian Biosphere Reserve. Designed by Natalia Kokhal. Printed in offset by SE Integrated Printing Plant 'Ukraina' for Production of Securities in a print run of 30,000.

***Iris hippolyti* IRIDACEAE**Synonym: *Juno hippolyti*

Perennial bulbous herb. Leaves crescent-shaped, 1–1.5 cm wide, smooth. Stem to 10 cm with closely packed leaves. Flower pale violet, yellow signal, white crest. Blooms in April. Found in southwestern desert of Uzbekistan.

Uzbekistan, Sc#872c. Issued 24 January 2019 in a MS/4 flowers.





# MAMMALIA

Editor

Michael Prince, LM68



## New Listings

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
<b>BHUTAN</b>				
<b>2019 February 1 (Mammals) (MS/4 &amp; SS/1)</b>				
1602a	20nu	Golden Langur, <i>Trachypithecus geei</i>	Cercopithecidae	A
1602b	20nu	Himalayan Marmot, <i>Marmota himalayana</i>	Sciuridae	(new) A
1602c	20nu	Indian Rhinoceros, <i>Rhinoceros unicornis</i>	Rhinocerotidae	A
1602d	20nu	Himalayan Goral, <i>Naemorhedus goral</i>	Bovidae	A
	Margin	LL: various mammal silhouettes		S Z
1603	SS 40nu	Red Panda, <i>Ailurus fulgens</i>	Ailuridae	A
	Margin	LL: various mammal silhouettes		S Z
<b>BOTSWANA</b>				
<b>2018 November 22 (Big Game Animals) (Set/5 &amp; SS/5)</b>				
1062	5p	White Rhinoceros, <i>Ceratotherium simum</i>	Rhinocerotidae	A
1063	7p	Lion, <i>Panthera leo</i>	Felidae	A
1064	8p	Leopard, <i>Panthera pardus</i>	Felidae	A
1065	9p	African Bush Elephant, <i>Loxodonta africana</i>	Elephantidae	A
1066	10p	African Buffalo, <i>Syncerus caffer</i>	Bovidae	A
1066a		SS/5 (Sc#1062–66)		
<b>ECUADOR</b>				
<b>2018 September 13 (Green Tourism) (Bklt/8) (s/a)</b>				
2221a	25c	Galapagos Sea Lion, <i>Zalophus wollebaeki</i>	Otariidae	A
2221g	\$1	Pygmy Marmoset, <i>Cebuella pygmaea</i>	Cebidae	A
<b>FINLAND</b>				
<b>2018 January 24 (Aurora &amp; Reindeer) (Horiz Pair + etiquettes) (s/a)</b>				
1561b	(€1.50)	Reindeer (Caribou), <i>Rangifer tarandus</i>	Cervidae	A
<b>2018 February 28 (WWF) (Vert Strip/3) (s/a)</b>				
1562a	(€1.40)	Arctic Fox, <i>Vulpes lagopus</i>	Canidae	A
<b>2018 September 12 (Finnish National Flora &amp; Fauna) (Horiz Strip/5)</b>				
1571c	(€1.50)	Brown Bear, <i>Ursus arctos</i>	Ursidae	A
<b>GERMANY</b>				
<b>2019 January 2 (Porpoise) (Bklt/10) (s/a)</b>				
3075	45c	Harbor Porpoise, <i>Phocoena phocoena</i>	Phocoenidae	A
3075a		Bklt/10 (Sc#3075)		
<b>2019 January 2 (Juvenile Raccoons) (Single)</b>				
3078	90c	Northern Raccoon, <i>Procyon lotor</i>	Procyonidae	A
<b>SOUTH KOREA</b>				
<b>2018 June 25 (Nature in the Demilitarized Zone) (Pair)</b>				
2523b	330w	Chinese Water Deer, <i>Hydropotes inermis</i>	Cervidae	A
<b>2018 July 10 (Protected Wildlife) (Block/4)</b>				
2524a	330w	Indo-Pacific Bottlenose Dolphin, <i>Tursiops aduncus</i>	Delphinidae	A
2524b	330w	Narrow-ridged Finless Porpoise, <i>Neophocaena asiaorientalis</i>	Phocoenidae	(new) A
2524c	330w	Spotted Seal, <i>Phoca largha</i>	Phocoenidae	A
2524d	330w	Northern Fur Seal, <i>Callorhinus ursinus</i>	Otariidae	A

**MALDIVE ISLANDS****2016 July 20 (Bears) (MS/4 & SS/1)**

3687a	20r	Asiatic Black Bear, <i>Ursus thibetanus</i>	Ursidae	A
3687b	20r	Sun Bear, <i>Helarctos malayanus</i>	Ursidae	A
3687c	20r	Sloth Bear, <i>Melursus ursinus</i>	Ursidae	A
3687d	20r	Polar Bear, <i>Ursus maritimus</i>	Ursidae	A
3697	SS 60r	Spectacled Bear, <i>Tremarctos ornatus</i>	Ursidae	A
	Margin	ML: Grizzly Bear, <i>Ursus arctos</i> ssp. <i>horribilis</i>	Ursidae	Z
		Bot: Syrian Brown Bear, <i>Ursus arctos</i> ssp. <i>syriacus</i>	Ursidae	Z
		MR: American Black Bear, <i>Ursus americanus</i>	Ursidae	Z

**2016 July 20 (Endangered Species) (MS/4 & SS/1)**

3691b	20r	Giant Panda, <i>Ailuropoda melanoleuca</i>	Ursidae	A
3691c	20r	Malayan Tapir, <i>Tapirus indicus</i>	Tapiridae	A
3691d	20r	Sumatran Orangutan, <i>Pongo abelii</i>	Hominidae	A
3701	SS 60r	Fish Species on stamp		
	Margin	ML: Galapagos Sea Lion, <i>Zalophus wollebaeki</i>	Otariidae	Z

**2016 July 20 (Pandas) (MS/4 & SS/1)**

3692a	22r	Giant Panda, <i>Ailuropoda melanoleuca</i> (sitting w/ bamboo)	Ursidae	A
3692b	22r	Same species (leaning on paw)	Ursidae	A
3692c	22r	Same species (walking)	Ursidae	A
3692d	22r	Same species (two adults)	Ursidae	A
3702	SS 70r	Giant Panda, <i>Ailuropoda melanoleuca</i>	Ursidae	A
	On border	L & R: Same species	Ursidae	Z

**2016 July 20 (Wolves) (MS/4 & SS/1)**

3693a	22r	Newfoundland Wolf, <i>Canis lupus</i> ssp. <i>beothucus</i>	Canidae	A
3693b	22r	Red Wolf, <i>Canis rufus</i>	Canidae	A
3693c	22r	Iberian Wolf, <i>Canis lupus</i> ssp. <i>signatus</i>	Canidae	A
3693d	22r	Alaskan Tundra Wolf, <i>Canis lupus</i> ssp. <i>tundrarum</i>	Canidae	A
3703	SS 70r	Newfoundland Wolf, <i>Canis lupus</i> ssp. <i>beothucus</i>	Canidae	A
	Margin	ML: Eurasian Wolf, <i>Canis lupus</i> ssp. <i>lupus</i>	Canidae	Z
		Bot: Grey Wolf, <i>Canis lupus</i>	Canidae	Z
		MR: Mexican Wolf, <i>Canis lupus</i> ssp. <i>baileyi</i>	Canidae	Z

**2016 July 20 (Rare Animals) (MS/4 & SS/1)**

3696a	22r	Greater Bamboo Lemur, <i>Prolemur simus</i>	Lemuridae	A
3696b	22r	Black and Rufous Sengi, <i>Rhynchocyon petersi</i>	Macroscelididae	A
3696c	22r	Tonkin Snub-nosed Monkey, <i>Rhinopithecus avunculus</i>	Cercopithecidae	A
3696d	22r	Northern Hairy-nosed Wombat, <i>Lasiiorhinus krefftii</i>	Vombatidae	A
3706	SS 70r	Snow Leopard, <i>Panthera uncia</i>	Felidae	A
	Margin	ML: Roloway Monkey, <i>Cercopithecus roloway</i>	Cercopithecidae	Z
		Bot: Puma, <i>Puma concolor</i>	Felidae	Z

**2016 November 17 (Dolphins) (MS/4 & SS/1)**

3772a	20r	Spinner Dolphin, <i>Stenella longirostris</i>	Delphinidae	A
3772b	20r	Striped Dolphin, <i>Stenella coeruleoalba</i>	Delphinidae	A
3772c	20r	Common Bottlenose Dolphin, <i>Tursiops truncatus</i>	Delphinidae	A
3772d	20r	Dusky Dolphin, <i>Lagenorhynchus obscurus</i>	Delphinidae	A
3782	SS 60r	Fraser's Dolphin, <i>Lagenodelphis hosei</i>	Delphinidae	A
	Margin	Top: Common Bottle-nosed Dolphin, <i>Tursiops truncatus</i>	Delphinidae	Z
		ML & MR: Spinner Dolphin, <i>Stenella longirostris</i>	Delphinidae	Z
		Bot: Risso's Dolphin, <i>Grampus griseus</i>	Delphinidae	Z

<b>MALDIVE ISLANDS</b> (continued)		<b>2016 November 17</b> (Whales) (MS/4 & SS/1)		
3777a	22r	Sperm Whale, <i>Physeter macrocephalus</i>	Physeteridae	A
3777b	22r	Short-finned Pilot Whale, <i>Globicephala macrorhynchus</i>	Delphinidae	A
3777c	22r	Bryde's Whale, <i>Balaenoptera brydei</i>	Balaenopteridae	A
3777d	22r	Dwarf Sperm Whale, <i>Kogia simus</i>	Physeteridae	A
3787	SS 70r	Blue Whale, <i>Balaenoptera musculus</i>	Balaenopteridae	A
	Margin	Bryde's Whale, <i>Balaenoptera brydei</i>	Balaenopteridae	Z
<b>MONGOLIA</b>		<b>2019 January 4</b> (New Year 2019: Year of the Pig) (Horiz Pair+label)		
2905a	650t	Wild Boar, <i>Sus scrofa</i> (title UL)	Suidae	A
2905b	650t	Wild Boar, <i>Sus scrofa</i> (title UR)	Suidae	A
<b>MOROCCO</b>		<b>2018 August 9</b> (Flora & Fauna) (Horiz Pair)		
1254a	3.75d	Dromedary, <i>Camelus dromedarius</i>	Camelidae	A
<b>NETHERLANDS</b>		<b>2019 January 2</b> (Mammals) (MS/10)		
1580a	(87c)	Wild Cat, <i>Felis silvestris</i>	Felidae	A
1580b	(87c)	Geoffroy's Bat, <i>Myotis emarginatus</i>	Vespertilionidae	A
1580c	(87c)	Grey Wolf, <i>Canis lupus</i>	Canidae	A
1580d	(87c)	Grey Seal, <i>Halichoerus grypus</i>	Phocidae	A
1580e	(87c)	Stoat (Ermine), <i>Mustela erminea</i>	Mustelidae	A
1580f	(87c)	European Polecat, <i>Mustela putorius</i>	Mustelidae	A
1580g	(87c)	European Otter, <i>Lutra lutra</i>	Mustelidae	A
1580h	(87c)	Red Fox, <i>Vulpes vulpes</i>	Canidae	A
1580i	(87c)	Eurasian Badger, <i>Meles meles</i>	Mustelidae	A
1580j	(87c)	European Rabbit, <i>Oryctolagus cuniculus</i>	Leporidae	A
1580	Margin	UL: European Rabbit, <i>Oryctolagus cuniculus</i>	Leporidae	Z
		Top: Western Roe Deer, <i>Capreolus capreolus</i>	Cervidae	Z
		UR: European Hedgehog, <i>Erinaceus europaeus</i>	Erinaceidae	Z
		LL: Red Squirrel, <i>Sciurus vulgaris</i>	Sciuridae	Z
<b>NEW CALEDONIA</b>		<b>2018 November 8</b> (Pollinators) (MS/4)		
1249b	110fr	Ornate Flying Fox, <i>Pteropus ornatus</i>	Pteropodidae	A
<b>PALAU</b>		<b>2018 November 30</b> (Whales) (MS/6 & SS/2)		
1396a	75c	Beluga Whale, <i>Delphinapterus leucas</i>	Monodontidae	A
1396b	\$1	Blue Whale, <i>Balaenoptera musculus</i>	Balaenopteridae	A
1396c	\$1.25	Humpback Whales, <i>Megaptera novaeangliae</i>	Balaenopteridae	A
1396d	\$1.50	Common Minke Whale, <i>Balaenoptera acutorostrata</i>	Balaenopteridae	A
1396e	\$1.75	Orca (Killer whale), <i>Orcinus orca</i>	Delphinidae	A
1396f	\$2	Sperm Whale, <i>Physeter macrocephalus</i>	Physeteridae	A
1397a	SS \$3	Orca (Killer Whale), <i>Orcinus orca</i>	Delphinidae	A
1397b	SS \$3	Orca (Killer Whale), <i>Orcinus orca</i>	Delphinidae	A
		<b>2018 December 20</b> (Dolphins) (MS/4 & SS/1)		
1400a	\$1	Spinner Dolphin, <i>Stenella longirostris</i>	Delphinidae	A
1400b	\$2	Pantropical Spotted Dolphin, <i>Stenella attenuata</i>	Delphinidae	A
1400c	\$3	Atlantic Spotted Dolphin, <i>Stenella frontalis</i>	Delphinidae	A
1400d	\$4	Striped Dolphin, <i>Stenella coeruleoalba</i>	Delphinidae	A
1400	Margin	Top: U/I dolphins	Delphinidae	U Z
1401	SS \$4	Common Bottlenose Dolphin, <i>Tursiops truncatus</i>	Delphinidae	A

<b>POLAND</b>		<b>2018 December 28</b> (Adult & Juvenile Animals) (Set/4)		
4386	1.30z	Indian Rhinoceros, <i>Rhinoceros unicornis</i>	Rhinocerotidae	A
4387	1.30z	Chimpanzee, <i>Pan troglodytes</i>	Hominidae	A
4388	3z	Linnaeus's Two-toed Sloth, <i>Choloepus didactylus</i>	Megalonychidae	A
4389	3z	Giraffe, <i>Giraffa camelopardalis</i>	Giraffidae	A
<b>ROMANIA</b>		<b>2019 February 8</b> (Adult & Juvenile Animals) (Set/4 in MS/5+label)		
6218	3l	African Bush Elephant, <i>Loxodonta africana</i>	Elephantidae	A
6219	5l	Koala, <i>Phascolarctos cinereus</i>	Phascolarctidae	A
6220	7l	Snow Leopard, <i>Panthera uncia</i>	Felidae	A
6221	12l	Brown Bear, <i>Ursus arctos</i>	Ursidae	A
<b>ST. THOMAS &amp; PRINCE IS.</b>		<b>2017 March 13</b> (Pandas) (MS/4 & SS/1)		
3242a	31000d	Giant Panda, <i>Ailuropoda melanoleuca</i> (adult & juvenile)	Ursidae	A
3242b	31000d	Same species (eating bamboo)	Ursidae	A
3242c	31000d	Red Panda, <i>Ailurus fulgens</i> (facing R)	Ailuridae	A
3242d	31000d	Same species (facing L)	Ailuridae	A
3261	SS 124000d	Giant Panda, <i>Ailuropoda melanoleuca</i>	Ursidae	A
	Margin	R: Giant Panda, <i>Ailuropoda melanoleuca</i>	Ursidae	Z
		<b>2017 March 13</b> (Wild Cats) (MS/4 & SS/1)		
3243a	31000d	Lion, <i>Panthera leo</i>	Felidae	A
3243b	31000d	Puma, <i>Puma concolor</i>	Felidae	A
3243c	31000d	Snow Leopard, <i>Panthera uncia</i>	Felidae	A
3243d	31000d	Cheetah, <i>Acinonyx jubatus</i>	Felidae	A
3262	SS 124000d	Tiger, <i>Panthera tigris</i>	Felidae	A
	Margin	UR: Asiatic Elephant, <i>Elephas maximus</i>	Elephantidae	Z
		LL: Tiger, <i>Panthera tigris</i>	Felidae	Z
		<b>2017 March 13</b> (Dolphins) (MS/4 & SS/1)		
3244a	31000d	Fraser's Dolphin, <i>Lagenodelphis hosei</i>	Delphinidae	A
3244b	31000d	Common Bottlenose Dolphin, <i>Tursiops truncatus</i>	Delphinidae	A
3244c	31000d	Pygmy Killer Whale, <i>Feresa attenuata</i>	Delphinidae	A
3244d	31000d	Rough-toothed dolphin, <i>Steno bredanensis</i>	Delphinidae	A
3263	SS 124000d	Risso's Dolphin, <i>Grampus griseus</i>	Delphinidae	A
	Margin	UR: Risso's Dolphin, <i>Grampus griseus</i>	Delphinidae	Z
		LL: Short-beaked Dolphin, <i>Delphinus delphis</i>	Delphinidae	Z
		<b>2017 March 13</b> (Extinct Species) (MS/4 & SS/1)		
3251a	31000d	†Western Black Rhinoceros, <i>Diceros bicornis</i> ssp. <i>longipes</i>	Rhinocerotidae	A
3251b	31000d	†Javan Tiger, <i>Panthera tigris</i> ssp. <i>sondaica</i>	Felidae	A
3251c	31000d	†West Indian Monk Seal, <i>Monachus tropicalis</i>	Phocidae	A
3251d	31000d	†Spanish Ibex, <i>Capra pyrenaica</i> ssp. <i>pyrenaica</i>	Bovidae	A
3270	SS 124000d	†Thylacine, <i>Thylacinus cynocephalus</i>	Thylacinidae	A
	Margin	LR: †Thylacine, <i>Thylacinus cynocephalus</i>	Thylacinidae	Z
		<b>2017 March 13</b> (Mushrooms) (MS/4)		
3253b	31000d	Red Squirrel, <i>Sciurus vulgaris</i> (w/ <i>Leccinum</i> sp.)	Sciuridae	B
3253c	31000d	Red Squirrel, <i>Sciurus vulgaris</i> (w/ <i>Gyromitra</i> sp.)	Sciuridae	B
<b>SERBIA</b>		<b>2019 April 18</b> (Protected Animals) (Horiz Strip/4+label)		
855a	23d	Alpine Long-eared Bat, <i>Plecotus macrobullaris</i>	Vespertilionidae	(new) A
855b	46d	Steppe Polecat, <i>Mustela eversmannii</i>	Mustelidae	A
855c	50d	Alpine Chamois, <i>Rupicapra rupicapra</i> ssp. <i>balcanica</i>	Bovidae	A
855d	70d	Brown Bear, <i>Ursus arctos</i>	Ursidae	A



<b>SOUTH AFRICA</b>		<b>2018 November 26</b> (Big Game Animals) (Bklt/10) (s/a)		
C125	(8.50r)	Lion, <i>Panthera leo</i>	Felidae	A
C126	(8.50r)	African Bush Elephant, <i>Loxodonta africana</i>	Elephantidae	A
C127	(8.50r)	Leopard, <i>Panthera pardus</i>	Felidae	A
C128	(8.50r)	White Rhinoceros, <i>Ceratotherium simum</i>	Rhinocerotidae	A
C129	(8.50r)	African Buffalo, <i>Syncerus caffer</i>	Bovidae	A
C129a		Bklt/10 (2ea Sc#C125–29)		
<b>S. GEORGIA &amp; S. SANDWICH IS.</b>		<b>2018 October 18</b> (Migratory Whales) (2ea Vert Pairs)		
585a	70p	Blue Whale, <i>Balaenoptera musculus</i>	Balaenopteridae	A
585b	80p	Blue Whale, <i>Balaenoptera musculus</i>	Balaenopteridae	A
586a	£1.05	Humpback Whale, <i>Megaptera novaeangliae</i>	Balaenopteridae	A
586b	£1.85	Humpback Whale, <i>Megaptera novaeangliae</i>	Balaenopteridae	A
<b>SPAIN</b>		<b>2019 February 5</b> (Children's Art) (Set/2)		
4339	70c	Eurasian Badger, <i>Meles meles</i> (by Claudia Torred Martinez)	Mustelidae	A
<b>SRI LANKA</b>		<b>2018 May 24</b> (Fauna) (Set/3 & SS/3)		
2142	12r	Grizzled Giant Squirrel, <i>Ratufa macroura</i>	Sciuridae	A
2143a		SS/3 (Sc#2141–43)		
<b>SURINAM</b>		<b>2018 December 29</b> (Flora & Fauna) (12ea SS)		
1547	SS \$5	Red Slender Loris, <i>Loris tardigradus</i>	Lorisidae	A
1550	SS \$5	Wedge-capped Capuchin, <i>Cebus olivaceus</i>	Cebidae	A
<b>SWAZILAND</b>		<b>2017 August 21</b> (Big Game Animals) (Set/5)		
825	(2e)	Lion, <i>Panthera leo</i>	Felidae	A
826	(2.90e)	African Bush Elephant, <i>Loxodonta africana</i>	Elephantidae	A
827	(4e)	African Buffalo, <i>Syncerus caffer</i>	Bovidae	A
828	(5e)	Leopard, <i>Panthera pardus</i>	Felidae	A
829	(5.40e)	Black Rhinoceros, <i>Diceros bicornis</i>	Rhinocerotidae	A
<b>SWEDEN</b>		<b>2018 August 23</b> (Mammals) (Set/3) (s/a)		
2825	1k	Bank Vole, <i>Clethrionomys glareolus</i>	Muridae	A
2826	2k	Eurasian Pine Marten, <i>Martes martes</i>	Mustelidae	A
2827	50k	Brown Bear, <i>Ursus arctos</i>	Ursidae	A
<b>TAJIKISTAN</b>		<b>2018 April 20</b> (Sughd Region Buildings) (MS/4)		
493	Margin	LL: Red Deer (Elk), <i>Cervus elaphus</i>	Cervidae	Z
		LR: Northern White-breasted Hedgehog, <i>Erinaceus roumanicus</i>	Erinaceidae	Z
		<b>2018 April 20</b> (Gorno Badakhstan Tourist Attractions) (MS/4)		
494	Margin	UL: Siberian Ibex, <i>Capra sibirica</i>	Bovidae	Z
		UR: Snow Leopard, <i>Panthera uncia</i>	Felidae	Z
		LL: Red Fox, <i>Vulpes vulpes</i>	Canidae	Z
<b>TONGA</b>		<b>2019 February 8</b> (Animals of the World) (Horiz Pair)		
1339a	2.20pa	Domestic Rabbit variety, <i>Oryctolagus cuniculus</i>	Leporidae	A
1339b	2.50pa	Fennec Fox, <i>Vulpes zerda</i>	Canidae	A
<b>TONGA (Niufo'ou)</b>		<b>2019 February 8</b> (Animals of the World) (Horiz Pair)		
377a	4.20pa	Sugar Glider, <i>Petaurus breviceps</i>	Petauridae	A
<b>TRISTAN DA CUNHA</b>		<b>2019 February 11</b> (Whales) (Set/4)		
1149	45p	Shepherd's Beaked Whale, <i>Tasmacetus shepherdi</i>	Ziphiidae	A
1150	70p	Southern Right Whale, <i>Eubalaena australis</i>	Balaenidae	A
1151	£1	Fin Whale, <i>Balaenoptera physalus</i>	Balaenopteridae	A
1152	£1.50	Orca (Killer Whale), <i>Orcinus orca</i>	Delphinidae	A

<b>TUNISIA</b>		<b>2018 December 18</b> (Fauna) (Set/4 & SS/4)		
1685	900m	Golden Jackal, <i>Canis aureus</i>	Canidae	A
1687	2d	Red Deer (Elk), <i>Cervus elaphus</i> ssp. <i>barbarus</i>	Cervidae	A
1687a		SS/4 (Sc#1684–87)		
<b>UKRAINE</b>		<b>2018 November 30</b> (Carpathian Biosphere Flora & Fauna) (MS/6)		
1183f	7h	Brown Bear, <i>Ursus arctos</i>	Ursidae	A
<b>VIETNAM</b>		<b>2018 August 18</b> (Kon Ka Kinh National Park Fauna) (Set/ & SS/4)		
3610	6500d	Annamite Muntjac, <i>Muntiacus truongsongensis</i>	Cervidae	(new) A
3611a		SS/4 (Sc#3608–11)		

## CANADA BEARS

On 24 July 2019, Canada Post issued a set of four Permanent rate (85c) stamps depicting bear species found in that country. The formats include a booklet of eight with two of each stamp, a souvenir sheet of four stamps, and an uncut press sheet of 24 stamps with six of each design.

The stamps were designed by Andrew Perro based on photos by Robert Postma (*Ursus arctos*) and Michelle Valberg (all others). They were printed by Lowe-Martin using four-color lithography.

The cover of the booklet has a different image of the head of a Grizzly Bear. The souvenir sheet shows a full image of a Black Bear in the top margin. The press sheet has a full image of a Kermode bear, which is a rare subspecies of the Black Bear, in the margin.

(*Canada Post*) Bears are some of the most intelligent and formidable predators in the Canadian wilderness. Their enormous size and raw power make them captivating and worthy of our respect.

Assessed as being of special concern by the Committee on the Status of Endangered Wildlife in Canada, the powerful Grizzly Bear (*Ursus arctos*) eats a mainly vegetarian diet. Once common on the prairies, grizzlies are now found only in the western and northern regions of Canada.

Two thirds of the world's population of Polar Bears (*Ursus maritimus*) roam Canada's circumpolar region. On average, they are the largest bear species in the world—males can weigh up to 800 kilograms (1,760 lb)—and are superbly adapted to life on the sea ice. Unfortunately, polar bears have also been assessed as a special concern as a result of increased ice loss caused by the warming climate.

The most widely distributed bear species in North America, the American Black Bear (*Ursus americanus*), inhabits every province and territory, except Prince Edward Island (where it once lived). Named after their most common color, black bears can sport coats of blond, brown, blue, and cinnamon—and almost any hue in between. Offspring with white or cream-colored fur can also occur, most commonly in populations on the west coast known as Kermode bears (*Ursus americanus* ssp. *kermodei*). White Kermode bears have long been featured in the traditions of coastal First Nations people.

Valberg recalls the moment she first spotted Warrior, a female Kermode bear named for the scar on her nose. "Warrior walks around like she owns the forest. There's a regal elegance about her stride that's incredible to watch."



Black (*Ursus americanus*), Polar (*Ursus maritimus*), Kermode (*U. a. kermodei*), Grizzly (*Ursus arctos*)



# ORNITHOLOGY

Editor

Glenn G. Mertz, BU1455

Corrections/Updates



## ANGOLA – Vol. 68(2), p.122

**Update:** Sc#1486. I only listed one bird shown on this stamp, but two different birds appear on the stamp. Add R: Hairy-breasted Barbet, *Tricholaema hirsute*, Lybiidae, Vol. 68(2).

## MALDIVE ISLANDS – Vol. 67(3), p.221

**Update:** Ancient Egyptian Art, (MS/4). Replace Mi6556 with Sc#3751b.

## TOGO

**Update:** I emailed the New Issues Editor at Scott Publishing about the listing status for Togo, as no numbers have been listed since the year 2011. His reply is as follows: “Togo never responded to our inquiries after we wrote them on more than one occasion. I’m not going to waste my time and company resources trying to contact an organization that can’t be bothered to answer.”

My response to his answer was, “I would agree with you. I hope that you also informed them that because they will not co-operate, that their stamps will no longer be listed in the Scott Stamp Catalogue.” Maybe loss of listings will impact their sales, although this country issues more stamps than a small country like them can ever be used by their people. The stamps for them are produced by Stamperija, and I sometimes believe that some of these countries they print stamps for do not even know what is being issued under that country’s name.

## New Issues

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
<b>ARUBA</b>				
<b>2018 November 30</b> (Sustainable Energy) (Set/5)				
615	92c	Laughing Gull, <i>Leucophaeus atricilla</i>	Laridae	<b>C</b>
616	100c	Brown Pelican, <i>Pelecanus occidentalis</i>	Pelecanidae	
<b>CENTRAL AFRICA</b>				
<b>2019 March 21</b> (Parrots of the World) (MS/4 & SS/1)				
a	900fr	Australian King-Parrot, <i>Alisterus scapularis</i>	Psittaculidae	<b>A Z</b>
b	900fr	Sun Parakeet, <i>Aratinga solstitialis</i>	Psittacidae	
c	900fr	Gray Parrot, <i>Psittacus erithacus</i>	Psittacidae	
d	900fr	Western Rosella, <i>Platycercus icterotis</i>	Psittaculidae	
	Margin	Ctr: Red-and-green Macaw, <i>Ara chloropterus</i>	Psittacidae	
N/A	SS 3600fr	Sulphur-crested Cockatoo, <i>Cacatua galerita</i>	Cacatuidae	
	Margin	R: Scarlet Macaw, <i>Ara macao</i>	Psittacidae	
<b>2019 March 21</b> (Owls of the World) (MS/4 & SS/1)				
a	850fr	Great Gray Owl, <i>Strix nebulosa</i>	Strigidae	<b>A Z</b>
b	850fr	Eurasian Eagle-Owl, <i>Bubo bubo</i> (wings together)	Strigidae	
c	850fr	Same species (wings spread)	Strigidae	
d	850fr	Snowy Owl, <i>Bubo scandiacus</i>	Strigidae	
	Margin	Ctr: Great Horned Owl, <i>Bubo virginianus</i>	Strigidae	
N/A	SS 3300fr	Great Horned Owl, <i>Bubo virginianus</i>	Strigidae	
	Margin	R: Eurasian Eagle-Owl, <i>Bubo bubo</i>	Strigidae	

<b>CENTRAL AFRICA</b> (continued)			<b>2019 May 23</b> (Wild Animals: Hummingbirds) (MS/4 & SS/1)	<b>A Z</b>
a	850fr	Mexican Violetear, <i>Colibri thalassinus</i>	Trochilidae	
b	850fr	Green-crowned Brilliant, <i>Heliodoxa jacula</i>	Trochilidae	
c	850fr	Long-tailed Sylph, <i>Agelaiocercus kingii</i>	Trochilidae	
d	850fr	Copper-rumped Hummingbird, <i>Amazilia tobaci</i>	Trochilidae	
N/A	SS 3300fr	Cuban Emerald, <i>Chlorostilbon ricordii</i>	Trochilidae	
	Margin	L: Green-crowned Brilliant, <i>Heliodoxa jacula</i>	Trochilidae	
			<b>2019 May 23</b> (Wild Animals: Ducks) (MS/4 & SS/1)	<b>A Z</b>
a	850fr	Harlequin Duck, <i>Histrionicus histrionicus</i>	Anatidae	
b	850fr	Wood Duck, <i>Aix sponsa</i>	Anatidae	
c	850fr	American Wigeon, <i>Anas americana</i>	Anatidae	
d	850fr	King Eider, <i>Somateria spectabilis</i>	Anatidae	
N/A	SS 3300fr	Mandarin Duck, <i>Aix galericulata</i>	Anatidae	
	Margin	L: Mallard, <i>Anas platyrhynchos</i>	Anatidae	
			<b>2019 May 23</b> (Wild Animals: Antarctic Animals) (MS/4)	<b>A</b>
a	900fr	Chinstrap Penguin, <i>Pygoscelis antarcticus</i>	Spheniscidae	
b	900fr	Snowy Sheathbill, <i>Chionis albus</i>	Chionidae	
c	900fr	Imperial Cormorant, <i>Phalacrocorax atriceps</i>	Phalacrocoracidae	
d	900fr	Emperor Penguin, <i>Aptenodytes forsteri</i>	Spheniscidae	
<b>DJIBOUTI</b>			<b>2018 December 13</b> (Stamps-on-Stamps) (MS/4)	<b>B</b>
b	240fr	European Roller, <i>Coracias garrulus</i> (Lithuania Sc#877 s-o-s)	Coraciidae	
			<b>2019 February 27</b> (Bee-eaters) (MS/4 & SS/1)	<b>A Z</b>
a	240fr	Red-bearded Bee-eater, <i>Nyctyornis amictus</i>	Meropidae	
b	240fr	Blue-throated Bee-eater, <i>Merops viridis</i>	Meropidae	
c	240fr	Green Bee-eater, <i>Merops orientalis</i>	Meropidae	
d	240fr	Bot: Southern Carmine Bee-eater, <i>Merops nubicooides</i>	Meropidae	
	Margin	European Bee-eater, <i>Merops apiaster</i>	Meropidae	
N/A	SS 950fr	Chestnut-headed Bee-eater, <i>Merops leschenaultia</i>	Meropidae	
	Margin	LR: Blue-tailed Bee-eater, <i>Merops philippinus</i>	Meropidae	
			<b>2019 February 27</b> (Owls) (MS/4 & SS/1)	<b>A Z</b>
a	240fr	Spotted Owlet, <i>Athene brama</i>	Strigidae	
b	240fr	Great Horned Owl, <i>Bubo virginianus</i>	Strigidae	
c	240fr	Northern Saw-whet Owl, <i>Aegolius acadicus</i>	Strigidae	
d	240fr	Snowy Owl, <i>Bubo scandiacus</i>	Strigidae	
	Margin	Bot: Great Gray Owl, <i>Strix nebulosa</i>	Strigidae	
N/A	SS 950fr	Little Owl, <i>Athene noctua</i>	Strigidae	
	Margin	LR: Barn Owl, <i>Tyto alba</i>	Tytonidae	
			<b>2019 March 14</b> (Kingfishers) (MS/4 & SS/1)	<b>A Z</b>
Two circular stamps are in the upper half, and two horizontally se-tenant stamps are in the lower half of the sheet. The SS stamp is a circular stamp and three other birds appear in margin.				
a	250fr	Azure Kingfisher, <i>Ceyx azureus</i> (circular) (Cap: <i>Alcedo azurea</i> )	Alcedinidae	
b	250fr	Common Kingfisher, <i>Alcedo atthis</i> (circular)	Alcedinidae	
c	250fr	Black-backed Dwarf-Kingfisher, <i>Ceyx erithaca</i>	Alcedinidae	
d	250fr	Stork-billed Kingfisher, <i>Pelargopsis capensis</i>	Alcedinidae	
N/A	SS 1000fr	Blue-winged Kookaburra, <i>Dacelo leachii</i>	Alcedinidae	
	Margin	MR: Buff-breasted Paradise-Kingfisher, <i>Tanysiptera sylvia</i>	Alcedinidae	
		LR: Blue-eared Kingfisher, <i>Alcedo meninting</i>	Alcedinidae	
		LL: Pied Kingfisher, <i>Ceryle rudis</i>	Alcedinidae	



<b>ECUADOR</b>			<b>2018 August 29</b> (12th Latin American Botanical Congress) (SS/1)	<b>B</b>
2219	SS \$4	Ecuadorian Hillstar, <i>Oreotrochilus chimborazo</i> (w/ cactus)	Trochilidae	
			<b>2018 December 11</b> (Scientific Contrib. San Francisco Univ.) (MS/9)	<b>A</b>
2224b	50c	Large Ground-Finch, <i>Geospiza magnirostris</i>	Thraupidae	
2224c	75c	Blue-throated Hillstar, <i>Oreotrochilus cyanolaemus</i>	Trochilidae	
<b>FINLAND</b>			<b>2017 November 3</b> (Christmas) (Single)	<b>C</b>
1558	(€1.40)	Eurasian Bullfinch, <i>Pyrrhula pyrrhula</i> (w/ Santa & squirrels)	Fringillidae	
			<b>2018 February 28</b> (WWF) (Vert Strip/3) (s/a)	<b>A</b>
1562b	(€1.40)	Snowy Owl, <i>Bubo scandiacus</i>	Strigidae	
			<b>2018 September 12</b> (National Flora & Fauna) (Horiz Strip/5) (s/a)	<b>A</b>
1571b	(€1.50)	Whooper Swan, <i>Cygnus cygnus</i>	Anatidae	
<b>FR. SOUTH. &amp; ANTARCTIC TERR.</b>			<b>2019 January 2</b> (Tromelin Island) (Single)	<b>A</b>
602	95c	White Tern, <i>Gygis alba</i>	Laridae	
			<b>2019 January 2</b> (Shearwater) (SS/1)	<b>A Z</b>
613	€2	Flesh-footed Shearwater, <i>Ardenna carneipes</i> (also L margin)	Procellariidae	
			<b>2019 January 2</b> (Solar Power Plant) (SS/2)	<b>B</b>
614a	95c	Masked Booby, <i>Sula dactylatra</i>	Sulidae	
<b>FRENCH POLYNESIA</b>			<b>2019 January 25</b> (Endangered Birds) (Set/2)	<b>A</b>
1221	10fr	Tahiti Petrel, <i>Pseudobulweria rostrata</i>	Procellariidae	
			(This stamp was shown in "New Birds in the Philatelic Aviary" in error.)	
1222	80fr	Tahiti Monarch, <i>Pomarea nigra</i>	Monarchidae	
			(This is the species that should have been shown in Vol. 68[1].)	
<b>GUINEA</b>			<b>2019 April 22</b> (Waxbills) (Set/4, 4ea SS/1, 4ea MS/10)	<b>A</b>
Note: These four stamps are listed as presented on the Neofila website. Each stamp also exists on a SS/1 with images of the other species in the bottom margin. Each stamp is also featured on a MS/10. This format applies to the following eight sets of bird listings.				
N/A	12500fr	Lavender Waxbill, <i>Estrilda caerulescens</i>	Estrildidae	
N/A	12500fr	Zebra Waxbill, <i>Sporaeginthus subflavus</i>	Estrildidae	
N/A	12500fr	Orange-cheeked Waxbill, <i>Estrilda melpoda</i>	Estrildidae	
N/A	12500fr	Black-rumped Waxbill, <i>Estrilda troglodytes</i>	Estrildidae	
			<b>2019 April 22</b> (Barbets) (Set/4, 4ea SS/1, 4ea MS/10)	<b>A</b>
N/A	12500fr	Yellow-breasted Barbet, <i>Trachyphonus margaritatus</i>	Lybiidae	
N/A	12500fr	Yellow-fronted Tinkerbird, <i>Pogoniulus chrysoconus</i>	Lybiidae	
N/A	12500fr	Vieillot's Barbet, <i>Lybius vieilloti</i>	Lybiidae	
N/A	12500fr	Double-toothed Barbet, <i>Lybius bidentatus</i>	Lybiidae	
			<b>2019 April 22</b> (Bushshrikes) (Set/4, 4ea SS/1, 4ea MS/10)	<b>A</b>
N/A	12500fr	Sulphur-breasted Bushshrike, <i>Telophorus sulfureopectus</i>	Malaconotidae	
N/A	12500fr	Gray-headed Bushshrike, <i>Malaconotus blanchoti</i>	Malaconotidae	
N/A	12500fr	Fiery-breasted Bushshrike, <i>Malaconotus cruentus</i>	Malaconotidae	
N/A	12500fr	Yellow-crowned Gonolek, <i>Laniarius barbarus</i>	Malaconotidae	
			<b>2019 April 22</b> (Owls) (Set/4, 4ea SS/1, 4ea MS/10)	<b>A</b>
N/A	12500fr	Pearl-spotted Owlet, <i>Glaucidium perlatum</i>	Strigidae	
N/A	12500fr	Spotted Eagle-Owl, <i>Bubo africanus</i>	Strigidae	
N/A	12500fr	Verreaux's Eagle-Owl, <i>Bubo lacteus</i>	Strigidae	
N/A	12500fr	Eurasian Scops-Owl, <i>Otus scops</i>	Strigidae	

<b>GUINEA</b> (continued)		<b>2019 April 22</b> (Sparrows) (Set/4, 4ea SS/1, 4ea MS/10)		<b>A</b>
N/A	12500fr	Desert Sparrow, <i>Passer simplex</i>	Passeridae	
N/A	12500fr	House Sparrow, <i>Passer domesticus</i>	Passeridae	
N/A	12500fr	Eurasian Tree Sparrow, <i>Passer montanus</i>	Passeridae	
N/A	12500fr	Spanish Sparrow, <i>Passer hispaniolensis</i>	Passeridae	
		<b>2019 April 22</b> (Swallows) (Set/4, 4ea SS/1, 4ea MS/10)		<b>A</b>
N/A	12500fr	Wire-tailed Swallow, <i>Hirundo smithii</i>	Hirundinidae	
N/A	12500fr	Barn Swallow, <i>Hirundo rustica</i>	Hirundinidae	
N/A	12500fr	Red-rumped Swallow, <i>Cecropis daurica</i>	Hirundinidae	
N/A	12500fr	Ethiopian Swallow, <i>Hirundo aethiopica</i>	Hirundinidae	
		<b>2019 April 22</b> (Swifts) (Set/4, 4ea SS/1, 4ea MS/10)		<b>A</b>
N/A	12500fr	White-rumped Swift, <i>Apus caffer</i> (This species was previously shown on a SWA 4c aerogram.)	Apodidae	<b>(new)</b>
N/A	12500fr	Little Swift, <i>Apus affinis</i>	Apodidae	
N/A	12500fr	Alpine Swift, <i>Apus melba</i> (Cap: <i>Tachymarptis melba</i> )	Apodidae	
N/A	12500fr	Common Swift, <i>Apus apus</i>	Apodidae	
		<b>2019 April 22</b> (Endangered Species) (Set/4, SS/1, MS/10)		<b>A</b>
N/A	12500fr	Beaudouin's Snake-Eagle, <i>Circaetus beaudouini</i>	Accipitridae	
<b>GUINEA-BISSAU</b>		<b>2019 January 22</b> (Birds of Prey) (MS/5 & SS/2)		<b>A</b>
a	640fr	Northern Goshawk, <i>Accipiter gentilis</i>	Accipitridae	
b	640fr	Peregrine Falcon, <i>Falco peregrinus</i>	Falconidae	
c	640fr	Ferruginous Hawk, <i>Buteo regalis</i>	Accipitridae	
d	640fr	Harris's Hawk, <i>Parabuteo unicinctus</i>	Accipitridae	
e	640fr	Eurasian Sparrowhawk, <i>Accipiter nisus</i>	Accipitridae	
a	SS 1650fr	American Kestrel, <i>Falco sparverius</i>	Falconidae	
b	SS 1650fr	Spanish Eagle, <i>Aquila adalberti</i>	Accipitridae	
		<b>2019 February 19</b> (Owls) (MS/4 & SS/1)		<b>A Z</b>
N/A	640fr	Snowy Owl, <i>Bubo scandiacus</i>	Strigidae	
N/A	640fr	Great Horned Owl, <i>Bubo virginianus</i>	Strigidae	
N/A	640fr	Northern White-faced Owl, <i>Ptilopsis leucotis</i>	Strigidae	
N/A	640fr	Barn Owl, <i>Tyto alba</i>	Tytonidae	
N/A	SS 3300fr	Long-eared Owl, <i>Asio otus</i>	Strigidae	
	Margin	UL: Great Gray Owl, <i>Strix nebulosa</i>	Strigidae	
		Ctr: Eurasian Eagle-Owl, <i>Bubo bubo</i>	Strigidae	
<b>ICELAND</b>		<b>2019 April 11</b> (Europa: Birds) (Set/2) (s/a)		<b>A</b>
1494	(225k)	White-tailed Eagle, <i>Haliaeetus albicilla</i>	Accipitridae	
1495	(285k)	Gyrfalcon, <i>Falco rusticolus</i>	Falconidae	
<b>LATVIA</b>		<b>2019 February 15</b> (Beetle) (Single)		<b>C</b>
1015	€1.57	White Wagtail, <i>Motacilla alba</i> (tiny w/ <i>Gnorimus nobilis</i> )	Motacillidae	
<b>LITHUANIA</b>		<b>2019 April 5</b> (Europa: Birds) (Set/2)		<b>A</b>
1147	75c	White Stork, <i>Ciconia ciconia</i> (two on tree)	Ciconiidae	
1148	75c	Same species (w/ nest & three chicks)	Ciconiidae	
<b>MALAYSIA</b>		<b>2018 June 5</b> (Sabah Tourist Attractions) (Set/2)		<b>B</b>
1762	80c	Bornean Bristlehead, <i>Pityriasis gymnocephala</i> (Mt. Kinabalu)	Pityriasiidae	Vol. 67(3)

**MALAYSIA** (continued)**2018 August 14** (Blowpipes) (Set/3 & SS/1)**S B**

Stamp depicts a hunter wearing a camouflage headdress made of a stuffed Rhinoceros Hornbill. The SS shows a hunter with a similar headdress and a camouflage cape made of feathers.

1777	60c	Rhinoceros Hornbill, <i>Buceros rhinoceros</i>	Bucerotidae
1779	SS \$3	Same species	

**MALDIVIVE ISLANDS****2016 July 20** (Birds of Prey) (MS/4 & SS/1)**A Z**

3689a	20r	Common Buzzard, <i>Buteo buteo</i>	Accipitridae
3689b	20r	Osprey, <i>Pandion haliaetus</i>	Pandionidae
3689c	20r	Eurasian Hobby, <i>Falco subbuteo</i>	Falconidae
3689d	20r	Pallid Harrier, <i>Circus macrourus</i>	Accipitridae
3699	SS 60r	Eurasian Marsh-Harrier, <i>Circus aeruginosus</i>	Accipitridae
Margin	L:	Oriental Honey-Buzzard, <i>Pernis ptilorhynchus</i> (1)	Accipitridae
	Bot:	Eurasian Kestrel, <i>Falco tinnunculus</i> (2)	Falconidae
	R:	Montagu's Harrier, <i>Circus pygargus</i> (3)	Accipitridae

**2016 July 20** (Endangered Species) (MS/4)**A**

3691a	20r	Blue-throated Macaw, <i>Ara glaucogularis</i>	Psittacidae
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**2019 April 30** (Owls) (MS/4 & SS1)**A Z**

a	20r	Western Screech-Owl, <i>Megascops kennicottii</i>	Strigidae
b	20r	Great Horned Owl, <i>Bubo virginianus</i>	Strigidae
c	20r	Great Gray Owl, <i>Strix nebulosa</i>	Strigidae
d	20r	Tawny Owl, <i>Strix aluco</i>	Strigidae
N/A	SS 60r	Barn Owl, <i>Tyto alba</i>	Tytonidae
Margin	L:	Tawny Owl, <i>Strix aluco</i>	Strigidae

**2019 April 30** (Lighthouses & Water Birds) (MS/4 & SS1)**B Z**

a	22r	Great Egret, <i>Ardea alba</i> ssp. <i>modesta</i>	Ardeidae
b	22r	Pin-tailed Snipe, <i>Gallinago stenura</i>	Scolopacidae
c	22r	Greater Yellowlegs, <i>Tringa melanoleuca</i>	Scolopacidae
d	22r	Black-billed Gull, <i>Chroicocephalus bulleri</i>	Laridae
N/A	SS 70r	Herring Gull, <i>Larus argentatus</i>	Laridae
Margin	LR:	Pin-tailed Snipe, <i>Gallinago stenura</i>	Scolopacidae

**2019 April 30** (Rare Birds) (MS/4 & SS1)**A Z**

a	22r	Philippine Eagle, <i>Pithecophaga jefferyi</i>	Accipitridae
b	22r	Hooded Vulture, <i>Necrosyrtes monachus</i>	Accipitridae
c	22r	Shoebill, <i>Balaeniceps rex</i>	Balaenicipitidae
d	22r	Spoon-billed Sandpiper, <i>Calidris pygmeus</i>	Scolopacidae
Margin	Bkgrd:	Northern Bald Ibis, <i>Geronticus eremite</i>	Threskiornithidae
N/A	SS 70r	Red-headed Vulture, <i>Sarcogyps calvus</i>	Accipitridae
Margin	UL & R:	Black-necked Stork, <i>Ephippiorhynchus asiaticus</i>	Ciconiidae

**2019 April 30** (Birds of Prey) (MS/4 & SS1)**A Z**

a	20r	Osprey, <i>Pandion haliaetus</i>	Pandionidae
b	20r	Brahminy Kite, <i>Haliastur Indus</i>	Accipitridae
c	20r	Snail Kite, <i>Rostrhamus sociabilis</i>	Accipitridae
d	20r	Secretary-bird, <i>Sagittarius serpentarius</i>	Sagittariidae
Margin	UR:	Whistling Kite, <i>Haliastur sphenurus</i>	Accipitridae
N/A	SS 60r	White-tailed Kite, <i>Elanus leucurus</i>	Accipitridae
Margin	UL & R:	White-tailed Eagle, <i>Haliaeetus albicilla</i>	Accipitridae



<b>MOLDOVA</b>		<b>2018 August 23</b> (Poultry) (Set/4)		<b>A</b>
993	1.75l	Mallard, <i>Anas platyrhynchos</i>	Anatidae	
994	4l	Graylag Goose, <i>Anser anser</i>	Anatidae	
995	5.75l	Red Junglefowl, <i>Gallus gallus</i>	Phasianidae	
996	15.50l	Wild Turkey, <i>Meleagris gallopavo</i>	Phasianidae	
<b>MONTSERRAT</b>		<b>2018 August 18</b> (Birds) (MS/4 & SS/1)		<b>A</b>
1414a	\$4	Rufous-tailed Hummingbird, <i>Amazilia tzacatl</i>	Trochilidae	
1414b	\$5	Glittering-throated Emerald, <i>Amazilia fimbriata</i>	Trochilidae	
1414c	\$6	Cinnamon Hummingbird, <i>Amazilia rutila</i>	Trochilidae	
1414d	\$7	White-necked Jacobin, <i>Florisuga mellivora</i>	Trochilidae	
1415	SS \$11	Montserrat Oriole, <i>Icterus oberi</i>	Icteridae	
<b>MOROCCO</b>		<b>2014 June 13</b> (20th World Sacred Music Festival) (Single)		<b>C</b>
1186	3.50d	Demoiselle Crane, <i>Grus virgo</i>	Gruidae	
		Eurasian Hoopoe, <i>Upupa epops</i>	Upupidae	
		<b>2014 September 25</b> (Birds & Lakes) (Horiz Pair)		<b>B</b>
1190a	3.50d	Ruddy Shelduck, <i>Tadorna ferruginea</i> (at Lake Isli)	Anatidae	
1190b	8.40d	Gray Heron, <i>Ardea cinerea</i> (at Lake Tislite)	Ardeidae	
<b>MOZAMBIQUE</b>		<b>2019 April 10</b> (Hornbills) (MS/4 & SS/1)		<b>A Z</b>
a	116m	Blyth's Hornbill, <i>Rhyticeros plicatus</i>	Bucerotidae	
b	116m	Von der Decken's Hornbill, <i>Tockus deckeni</i>	Bucerotidae	
c	116m	White-crested Hornbill, <i>Horizocerus albocristatus</i>	Bucerotidae	
d	116m	Wreathed Hornbill, <i>Rhyticeros undulatus</i>	Bucerotidae	
	Margin	UR: Great Hornbill, <i>Buceros bicornis</i>	Bucerotidae	
		UL: Southern Ground-Hornbill, <i>Bucorvus leadbeateri</i>	Bucorvidae	
N/A	SS 300m	Southern Yellow-billed Hornbill, <i>Tockus leucomelas</i>	Bucerotidae	
	Margin	R: Knobbed Hornbill, <i>Rhyticeros cassidix</i>	Bucerotidae	
		UL: Rufous Hornbill, <i>Buceros hydrocorax</i>	Bucerotidae	
		ML: Oriental Pied-Hornbill, <i>Anthracoceros albirostris</i>	Bucerotidae	
		<b>2019 April 10</b> (Owls) (MS/4 & SS/1)		<b>A Z</b>
a	116m	Eurasian Eagle-Owl, <i>Bubo bubo</i>	Strigidae	
b	116m	Eastern Screech-Owl, <i>Megascops asio</i>	Strigidae	
c	116m	Eurasian Eagle-Owl, <i>Bubo bubo</i> ssp. <i>sibiricus</i>	Strigidae	
d	116m	Snowy Owl, <i>Bubo scandiacus</i>	Strigidae	
	Margin	UL: Snowy Owl, <i>Bubo scandiacus</i>	Strigidae	
a		UR: Eurasian Eagle-Owl, <i>Bubo bubo</i>	Strigidae	
N/A	SS 300m	Tawny Owl, <i>Strix aluco</i>	Strigidae	
	Margin	R: Spotted Owl, <i>Strix occidentalis</i>	Strigidae	
		ML: Great Gray Owl, <i>Bubo virginianus</i> ssp. <i>virginianus</i>	Strigidae	
		UL: Pacific Pygmy-Owl, <i>Glaucidium californicum</i>	Strigidae	
		(now a ssp. of Northern Pygmy Owl, <i>Glaucidium gnoma</i> )		
		<b>2019 April 10</b> (Sea Birds) (MS/4 & SS/1)		<b>A Z</b>
a	116m	Black Guillemot, <i>Cephus grylle</i>	Alcidae	
b	116m	Atlantic Puffin, <i>Fratercula arctica</i>	Alcidae	
c	116m	Common Tern, <i>Sterna hirundo</i>	Laridae	
d	116m	Royal Tern, <i>Thalasseus maximus</i>	Laridae	
	Margin	UL: Great Cormorant, <i>Phalacrocorax carbo</i>	Phalacrocoracidae	
		UR: Common Tern, <i>Sterna hirundo</i>	Laridae	
N/A	SS 300m	Waved Albatross, <i>Phoebastria irrorata</i>	Diomedidae	
	Margin	R: American White Pelican, <i>Pelecanus erythrorhynchos</i>	Pelecanidae	

<b>MOZAMBIQUE</b> (continued)		<b>2019 April 10</b> (Hippopotamuses) (MS/4)		<b>C Z</b>
N/A	116m	Australian Ibis, <i>Threskiornis molucca</i> ssp. <i>moluccus</i>	Threskiornithidae	
	Margin	UL: Great Cormorant, <i>Phalacrocorax carbo</i> ssp. <i>lucidus</i>	Phalacrocoracidae	
		<b>2019 April 10</b> (Pigeons) (MS/4 & SS/1)		<b>A Z</b>
a	116m	Eurasian Collared-Dove, <i>Streptopelia decaocto</i>	Columbidae	
b	116m	Speckled Pigeon, <i>Columba guinea</i>	Columbidae	
c	116m	Crested Pigeon, <i>Ocyphaps lophotes</i>	Columbidae	
d	116m	Inca Dove, <i>Columbina inca</i>	Columbidae	
	Margin	UR: Rock Pigeon, <i>Columba livia</i>	Columbidae	
		UL: Mourning Dove, <i>Zenaida macroura</i>	Columbidae	
N/A	SS 300m	Spotted Dove, <i>Streptopelia chinensis</i>	Columbidae	
	Margin	UL: White-winged Dove, <i>Zenaida asiatica</i>	Columbidae	
		ML: Nicobar Pigeon, <i>Caloenas nicobarica</i>	Columbidae	
		Ctr: European Turtle-Dove, <i>Streptopelia turtur</i>	Columbidae	
		UR: Helmet Pigeon (domestic fancy breed)	Columbidae	
		<b>2019 April 10</b> (Extinct Animals) (SS/1)		<b>A</b>
Discovered by Hebert in 1855. Five other species reside in this family; † <i>G. gigantea</i> , † <i>G. sarasini</i> , † <i>G. geiselensis</i> , † <i>G. russeli</i> , and † <i>G. xichuanensis</i> . Remains discovered by five different individuals all are listed by fragmentary skeletons. My research found no English names assigned to any of the six species.				
N/A	SS 300m	† <i>Gastornis parisiensis</i>	Gastornithidae	
		<b>2019 June 10</b> (Antarctic Animals) (MS/4)		<b>A</b>
a	116m	Chinstrap Penguin, <i>Pygoscelis antarcticus</i>	Spheniscidae	
b	116m	Snow Petrel, <i>Pagodroma nivea</i>	Procellariidae	
		<b>2019 June 10</b> (Parrots) (MS/4 & SS/1)		<b>A Z</b>
a	116m	Rosy-faced Lovebird, <i>Agapornis roseicollis</i>	Psittaculidae	
b	116m	Crimson-fronted Parakeet, <i>Psittacara finschi</i> (Cap: <i>Aratinga f.</i> )	Psittacidae	
c	116m	Meyer's Parrot, <i>Poicephalus meyeri</i>	Psittacidae	
d	116m	Galah, <i>Eolophus roseicapilla</i>	Cacatuidae	
N/A	SS 300m	Gray Parrot, <i>Psittacus erithacus</i>	Psittacidae	
	Margin	Top: Rainbow Lorikeet, <i>Trichoglossus moluccanus</i>	Psittaculidae	
		<b>2019 June 10</b> (Bee-eaters) (MS/4 & SS/1)		<b>A Z</b>
a	116m	European Bee-eater, <i>Merops apiaster</i>	Meropidae	
b	116m	Green Bee-eater, <i>Merops orientalis</i>	Meropidae	
c	116m	White-fronted Bee-eater, <i>Merops bullockoides</i>	Meropidae	
d	116m	Chestnut-fronted Bee-eater, <i>Merops leschenaultia</i>	Meropidae	
N/A	SS 300m	Southern Carmine Bee-eater, <i>Merops nubicoides</i>	Meropidae	
	Margin	Top: Blue-throated Bee-eater, <i>Merops viridis</i>	Meropidae	
<b>NEW CALEDONIA</b>		<b>2018 November 8</b> (Pollinators) (MS/4)		<b>A</b>
1249a	110fr	Crow Honeyeater, <i>Gymnomyza aubryana</i>	Meliphagidae	
<b>PALAU</b>		<b>2018 July 5</b> (Fruit Dove) (Single)		<b>A</b>
1382	\$2	Palau Fruit-Dove, <i>Ptilinopus pelewensis</i>	Columbidae	
		<b>2018 December 10</b> (Sea Birds) (MS/6 & SS/3)		<b>A</b>
1398a	25c	Sooty Tern, <i>Onychoprion fuscatus</i>	Laridae	
1398b	50c	Black-bellied Plover, <i>Pluvialis squatarola</i>	Charadriidae	
1398c	\$1	Bulwer's Petrel, <i>Bulweria bulwerii</i>	Procellariidae	
1398d	\$1.50	Whiskered Tern, <i>Chlidonias hybrida</i>	Laridae	
1398e	\$2	Pacific Golden-Plover, <i>Pluvialis fulva</i>	Charadriidae	
1398f	\$2.50	Common Tern, <i>Sterna hirundo</i>	Laridae	

**PALAU** (continued)

1399a	SS \$1	Brown Noddy, <i>Anous stolidus</i>	Laridae
1399b	SS \$2	Dunlin, <i>Calidris alpine</i>	Scolopacidae
1399c	SS \$3	Ruddy Turnstone, <i>Arenaria interpres</i>	Scolopacidae

**2018 December 19** (Nicobar Pigeons) (MS/4 & SS/2) **A**

1402a	\$1	Nicobar Pigeon, <i>Caloenas nicobarica</i>	Columbidae
1402b	\$1.50	Same species	Columbidae
1402c	\$2	Same species	Columbidae
1402d	\$2.50	Same species	Columbidae
1403a	SS \$3	Same species	Columbidae
1403b	SS \$3.50	Same species	Columbidae

**PAPUA NEW GUINEA** **2017 August 24** (Bird Type of 2017) (Single) **A**

1880	13k	Raggiana Bird-of-Paradise, <i>Paradisaea raggiana</i>	Paradisaeidae
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**2017 December 30** (Birds) (Set/2 & SS/2) **A**

1914	1.50k	Indian Peafowl, <i>Pavo cristatus</i>	Phasianidae
1914A	6.80k	Raggiana Bird-of-Paradise, <i>Paradisaea raggiana</i>	Paradisaeidae
1915a	10k	Raggiana Bird-of-Paradise, <i>Paradisaea raggiana</i>	Paradisaeidae
1915		SS/2 (Sc#1914 & 1915a) (joint issue with India)	

**2018 April 16** (Birdpex 8) (Set/4, MS/3, SS/2) **A**

1924	1.60k	Red-billed Brush-Turkey, <i>Talegalla cuvieri</i>	Megapodiidae	Vol. 67(3)
1925	2.50k	Meyer's Goshawk, <i>Accipiter meyerianus</i>	Accipitridae	Vol. 67(3)
1926	3.45k	Gurney's Eagle, <i>Aquila gurneyi</i>	Accipitridae	Vol. 67(3)
1927	10k	Dusky Scrubfowl, <i>Megapodius freycinet</i>	Megapodiidae	Vol. 67(3)
1928a	1.60k	Dusky Scrubfowl, <i>Megapodius freycinet</i>	Megapodiidae	
1928b	8k	Same species	Megapodiidae	
1928c	10k	Same species	Megapodiidae	
1929a	SS 8k	Red Goshawk, <i>Erythrotriorchis radiatus</i> (facing left)	Accipitridae	
1929b	SS 8k	Same species (facing right)	Accipitridae	

**PARAGUAY** **2018 September 21** (Birds of the Chaco) (MS/5+label) **A**

3091a	2000g	Olive-crowned Crescentchest, <i>Melanopareia maximiliani</i>	Melanopareiidae	Vol. 67(4)
3091b	2500g	Rufous Cacholote, <i>Pseudoseisura unirufa</i>	Furnariidae	(new)
3091c	3000g	Spot-backed Puffbird, <i>Nystalus maculatus</i>	Bucconidae	Vol. 67(4)
3091d	3500g	Hepatic Tanager, <i>Piranga flava</i>	Cardinalidae	
3091e	4000g	Blue-crowned Trogon, <i>Trogon curucui</i>	Trogonidae	

**ROMANIA** **2018 September 14** (Masters of Camouflage) (Set/8) **A**

Scott Publishing has only assigned four numbers to this issue because they only received four of the eight stamps from their new issues sources. The four listed stamps have all the birds facing right. The other four have the same birds facing left, which is to represent the mirror-image of each. Scott stated that if they get the mirror image stamps, they will list them as minor numbers. Each stamp was issued in a MS/5 + 1 label.

6174	21	Eurasian Thick-knee, <i>Burhinus oedicephalus</i>	Burhinidae
6175	31	Syrian Woodpecker, <i>Dendrocopos syriacus</i>	Picidae
6176	51	Eurasian Nightjar, <i>Caprimulgus europaeus</i>	Caprimulgidae
6177	191	Eurasian Green Woodpecker, <i>Picus viridis</i>	Picidae
Note		MS/4 (Sc#6174–77) (issued in limited quantities)	

<b>ROMANIA</b> (continued)		<b>2018 October 5</b> (Birds) (Set/4)		<b>A</b>
6184	21	White-tailed Eagle, <i>Haliaeetus albicilla</i>	Accipitridae	
6185	51	Black Woodpecker, <i>Dryocopus martius</i>	Picidae	
6186	8.501	Eurasian Eagle-Owl, <i>Bubo bubo</i>	Strigidae	
6187	121	Dalmatian Pelican, <i>Pelecanus crispus</i>	Pelecanidae	
Note		MS/4 (Sc#6184–87) (issued in limited quantities)		
		<b>2019 January 16</b> (Romanian Treasures) (Set/6 & SS/6)		<b>A</b>
6214	31	L: Pygmy Cormorant, <i>Microcarbo pygmaeus</i> R: Great White Pelican, <i>Pelecanus onocrotalus</i>	Phalacrocoracidae Pelecanidae	
6216	121	Golden Eagle, <i>Aquila chrysaetos</i>	Accipitridae	
6216b		SS/6 (Sc#6211–16)		
<b>RUSSIA</b>		<b>2018 December 4</b> (New Year 2019) (Single)		<b>C</b>
Although the stamp looks like a Christmas stamp, Russia issues New Year stamps instead of Christmas. The Cyrillic inscription of the top left corner of the stamp reading Новым годом means “New Year.” I can venture why no stamps celebrate Christmas, but I leave it to readers to guess.				
7978	22p	Eurasian Bullfinch, <i>Pyrrhula pyrrhula</i>	Fringillidae	
		<b>2019 January 22</b> (Crane) (Single)		<b>A</b>
7996	45p	Siberian Crane, <i>Leucogeranus leucogeranus</i> (w/ chick)	Gruidae	
<b>ST. PIERRE &amp; MIQUELON</b>		<b>2019 January 17</b> (Bird) (Single)		<b>A</b>
1070	€1.05	Bay-breasted Warbler, <i>Setophaga castanea</i>	Parulidae	
<b>ST. THOMAS &amp; PRINCE IS.</b>		<b>2016 November 10</b> (Birds) (Block/6) (s/a)		<b>A</b>
3197a	20000d	Black-collared Hawk, <i>Busarellus nigricollis</i>	Accipitridae	
3197b	20000d	Black Hawk-Eagle, <i>Spizaetus ornatus</i>	Accipitridae	
3197c	20000d	Southern Caracara, <i>Caracara planus</i>	Falconidae	
3197d	20000d	White-tailed Kite, <i>Elanus leucurus</i>	Accipitridae	
3197e	20000d	Orange-breasted Falcon, <i>Falco deiroleucus</i>	Falconidae	
3197f	20000d	Bateleur, <i>Terathopius ecaudatus</i>	Accipitridae	
		<b>2016 November 10</b> (China 2016 Stamp Exhibition) (MS/4 & SS/1)		<b>A Z</b>
3234a	31000d	Red-crowned Crane, <i>Grus japonensis</i> (in flight, name LL)	Gruidae	
3234b	31000d	Same species (in flight, name UR)	Gruidae	
3234c	31000d	Same species (landing)	Gruidae	
3234d	31000d	Same species (standing)	Gruidae	
	Margin	Bkgrd: Same species (sheet silhouette)	Gruidae	
3235	SS 120000d	Red-crowned Crane, <i>Grus japonensis</i>	Gruidae	
		<b>2017 March 13</b> (Aquatic Birds) (MS/4 & SS/1)		<b>A Z</b>
3245a	31000d	Black-necked Stork, <i>Ephippiorhynchus asiaticus</i>	Ciconiidae	
3245b	31000d	Brown Pelican, <i>Pelecanus occidentalis</i>	Pelecanidae	
3245c	31000d	Great Crested Grebe, <i>Podiceps cristatus</i>	Podicipedidae	
3245d	31000d	American Flamingo, <i>Phoenicopterus ruber</i>	Phoenicopteridae	
3264	SS 124000d	Mandarin Duck, <i>Aix galericulata</i>	Anatidae	
	Margin	R: American White Pelican, <i>Pelecanus erythrorhynchos</i>	Pelecanidae	
		<b>2017 March 13</b> (Birds of Prey) (MS/4 & SS/1)		<b>A Z</b>
3246a	31000d	Osprey, <i>Pandion haliaetus</i>	Pandionidae	
3246b	31000d	Black-winged Kite, <i>Elanus caeruleus</i>	Accipitridae	
3246c	31000d	California Condor, <i>Gymnogyps californianus</i>	Cathartidae	
3246d	31000d	Merlin, <i>Falco columbarius</i>	Falconidae	
3265	SS 124000d	Golden Eagle, <i>Aquila chrysaetos</i>	Accipitridae	
	Margin	R: Same species	Accipitridae	



<b>ST. THOMAS &amp; PRINCE IS. (cont) 2017 March 13 (Owls) (MS/4 &amp; SS/1)</b>			<b>A Z</b>
3247a	31000d	Bare-shanked Screech-Owl, <i>Megascops clarkii</i>	Strigidae
3247b	31000d	Lesser Sooty-Owl, <i>Tyto multipunctata</i> (lumped w/ Greater Sooty Owl)	Tytonidae
3247c	31000d	Great Horned Owl, <i>Bubo virginianus</i>	Strigidae
3247d	31000d	Oriental Scops-Owl, <i>Otus sunia</i>	Strigidae
3266 SS	124000d	Spectacled Owl, <i>Pulsatrix perspicillata</i>	Strigidae
	Margin	UR: Short-eared Owl, <i>Asio flammeus</i> ssp. <i>galapagoensis</i>	Strigidae
		LR: Short-eared Owl, <i>Asio flammeus</i>	Strigidae
<b>2017 March 13 (Lighthouses &amp; Shells) (MS/4)</b>			<b>A</b>
3255a	31000d	Ring-billed Gull, <i>Larus delawarensis</i>	Laridae
<b>2019 April 10 (Kingfishers) (MS/4 &amp; SS/1)</b>			<b>A Z</b>
a	31d	African Pygmy-Kingfisher, <i>Ispidina picta</i>	Alcedinidae
b	31d	White-throated Kingfisher, <i>Halcyon smyrnensis</i>	Alcedinidae
c	31d	Belted Kingfisher, <i>Megaceryle alcyon</i>	Alcedinidae
d	31d	Malachite Kingfisher, <i>Corythornis cristatus</i>	Alcedinidae
N/A	SS 124d	Pied Kingfisher, <i>Ceryle rudis</i>	Alcedinidae
	Margin	R: Common Kingfisher, <i>Alcedo atthis</i>	Alcedinidae
<b>2019 April 10 (Ducks) (MS/4 &amp; SS/1)</b>			<b>A</b>
a	31d	Wood Duck, <i>Aix sponsa</i>	Anatidae
b	31d	King Eider, <i>Somateria spectabilis</i>	Anatidae
c	31d	Common Goldeneye, <i>Bucephala clangula</i>	Anatidae
d	31d	Hooded Merganser, <i>Lophodytes cucullatus</i>	Anatidae
N/A	SS 124d	Hooded Merganser, <i>Lophodytes cucullatus</i>	Anatidae
	Margin	R: Wood Duck, <i>Aix sponsa</i>	Anatidae
<b>ST. VINCENT &amp; GRENADINES 2019 February 7 (Hummingbirds) (MS/6 &amp; SS/1)</b>			<b>A</b>
4167a	\$1	Rufous-breasted Hermit, <i>Glaucis hirsutus</i>	Trochilidae
4167b	\$2	Antillean Crested Hummingbird, <i>Orthorhyncus cristatus</i>	Trochilidae
4167c	\$3	Puerto Rican Emerald, <i>Chlorostilbon maugaeus</i>	Trochilidae
4167d	\$4	Antillean Mango, <i>Anthracothorax dominicus</i>	Trochilidae
4167e	\$5	Antillean Crested Hummingbird, <i>Orthorhyncus cristatus</i>	Trochilidae
4167f	\$6	Blue-headed Hummingbird, <i>Cyanophala bicolor</i>	Trochilidae
4168	SS \$10	Bee Hummingbird, <i>Mellisuga helenae</i>	Trochilidae

**SLOVENIA**

On 30 May 2014, Sc#1044 was issued for Common Merganser. According to the May 2019 issue of *Linn's Stamp News*, it was reissued with a perf of 11½, which is a deeper perforation than those found on Sc#1044.

Kjell Sharning's website listed that three of the birds issued on 30 May 2014, were reissued with the new perforations, but no mention of what the new perforation figures were. When I saw this on his website, I inquired with the New Issues Editor for Scott Publishing if he was aware of these new perf issues. His reply, in an email to me on 10 July 2017, was as follows: "We have not received these yet. If we get them we will list them."

When the May 2019 issue listed Sc#1044b, I again emailed the New Issues Editor on 16 May 2019, with the question about the new perforations. His reply was: "Slovenia 1044b was shown to them by a collector. We don't get definitive reprints from all countries. There are probably other stamps in this set, as well as other definitive sets of Slovenia, that have perforations other the ones that were listed originally. They aren't items that I keep a list for because they are almost minor varieties."

I replied with a "Thank You," and he responded with this answer: "The measurement on Sc#1044b differs from Sc#1044, but it is a rather small difference. The information on the depth of the die cutting is helpful in distinguishing the items."

The conclusion to this is whether postal authorities note new differences when reprinting some issues to Scott Publishing or collectors measure them and forward them to Scott Publishing notifying them of the new difference from original printing. Failure of any of these two methods leaves many stamps out there that may have difference perforations than the original stamp when issued.

<b>SAN MARINO</b>		<b>2019 February 26</b> (Europa: Birds) (Set/2)		<b>A</b>
2034	€1.10	Peregrine Falcon, <i>Falco peregrinus</i>	Falconidae	
2035	€1.15	Same species (w/ chicks)	Falconidae	
<b>SIERRA LEONE</b>		<b>2019 March 28</b> (Tropical Birds) (MS/4 & SS/1)		<b>A Z</b>
a	12500le	Sun Parakeet, <i>Aratinga solstitialis</i>	Psittacidae	
b	12500le	White-fronted Bee-eater, <i>Merops bullockoides</i>	Meropidae	
c	12500le	Rainbow Lorikeet, <i>Trichoglossus moluccanus</i>	Psittaculidae	
d	12500le	Great White Pelican, <i>Pelecanus onocrotalus</i>	Pelecanidae	
N/A	SS 50000le	Great Green Macaw, <i>Ara ambiguus</i>	Psittacidae	
	Margin	R: Blyth's Hornbill, <i>Rhyticeros plicatus</i>	Bucerotidae	
		<b>2019 March 28</b> (Kingfishers) (MS/4 & SS/1)		<b>A Z</b>
a	12500le	Brown-hooded Kingfisher, <i>Halcyon albiventris</i>	Alcedinidae	
b	12500le	Azure Kingfisher, <i>Ceyx azureus</i>	Alcedinidae	
c	12500le	Common Kingfisher, <i>Alcedo atthis</i>	Alcedinidae	
d	12500le	Black-backed Dwarf-Kingfisher, <i>Ceyx erithaca</i>	Alcedinidae	
N/A	SS 50000le	Giant Kingfisher, <i>Megaceryle maximus</i>	Alcedinidae	
	Margin	R: Ruddy Kingfisher, <i>Halcyon coromanda</i>	Alcedinidae	
		<b>2019 March 28</b> (Global Warming) (MS/4 & SS/1)		<b>A</b>
b	12500le	Adelie Penguin, <i>Pygoscelis adeliae</i>	Spheniscidae	
N/A	SS 50000le	Baird's Sandpiper, <i>Calidris bairdii</i>	Scolopacidae	
		<b>2019 April 25</b> (Hornbills) (MS/4 & SS/1)		<b>A Z</b>
a	12500le	Rhinoceros Hornbill, <i>Buceros rhinoceros</i>	Bucerotidae	
b	12500le	Great Hornbill, <i>Buceros bicornis</i>	Bucerotidae	
c	12500le	Southern Yellow-billed Hornbill, <i>Tockus leucomelas</i>	Bucerotidae	
d	12500le	Wreathed Hornbill, <i>Rhyticeros undulates</i>	Bucerotidae	
N/A	SS 50000le	Wreathed Hornbill, <i>Rhyticeros undulates</i>	Bucerotidae	
	Margin	R: Knobbed Hornbill, <i>Rhyticeros cassidix</i>	Bucerotidae	
		<b>2019 April 25</b> (Ducks) (MS/4 & SS/1)		<b>A Z</b>
a	12500le	Common Goldeneye, <i>Bucephala clangula</i>	Anatidae	
b	12500le	Hooded Merganser, <i>Lophodytes cucullatus</i>	Anatidae	
c	12500le	Redhead, <i>Aythya americana</i>	Anatidae	
d	12500le	Lesser Scaup, <i>Aythya affinis</i>	Anatidae	
N/A	SS 50000le	Northern Pintail, <i>Anas acuta</i>	Anatidae	
	Margin	R: Wood Duck, <i>Aix sponsa</i>	Anatidae	

## NEW BIRDS IN THE PHILATELIC AVIARY

Charles E. Braun, BU1364

### New Birds



†**EOALULAVIS**, *Eoalulavis hoyasi* †Enantiornithidae  
Mozambique, 2019 February 10, not yet cataloged, 300m SS. Extinct 120 million years ago.

Length: Five inches, sexes alike, resident. Spear-shaped body.

Habitat: Coasts.

Range: Spain.

Reference: Sanz, J. L., L. M. Chappe, B.P. Perez-Moreno, A. D. Buscalioni, J. J. Moratalla, F. Ortega, and F.J. Povato-Ariza. *Nature* 282 (1996).

†**GASTORNIS**, *Gastornis parisiensis* †Gastornithidae  
Mozambique, 2019 April 10, not yet cataloged, 300m SS. Extinct 50 million years ago.

Length: 100 inches, sexes alike, resident. A large flightless bird.

Habitat: Woodlands.

Range: Britain to Germany.

Reference; Mlikovsky, J. *Cenozoic Birds of the World, Part 1: Europe* (2002).



### TAHITI PETREL *Pseudobulweria rostrata*

Procellariidae

French Polynesia, 2019 January 25, Sc#1221, 10fr

Length: 15 to 16 inches, sexes alike, marine. Black above and white below with a black head and neck and pale central wings.

Habitat: Breeds on volcanic islands, otherwise avoids land.

Range: Bismarcks to Marquesas.

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

### BARE-SHANKED SCREECH-OWL, *Megascops clarkii* Strigidae

St. Thomas & Prince Is., 2017 March 13, Sc#3247a, 31000d

Length: Six to eight inches, sexes alike, resident. Rufous-brown above and spotted buffy-brown below with a cinnamon face.

Habitat: Highland forest and forest edge.

Range: Costa Rica to northwestern Colombia.

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



### WHITE-RUMPED SWIFT, *Apus caffer* Apodidae

Guinea, 2019 April 22, not yet cataloged, 12500fr

Length: Six inches, sexes alike, migratory. Black with a white rump and throat patch.  
Habitat: Savannah, scrub, and forest.

Range: Breeds in southern Spain, southern Portugal, central Morocco, and Africa south of the Sahara. Winters from Senegal to northern South Africa.

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



**GIANT HUMMINGBIRD, *Patagona gigas*** Trochilidae  
Ecuador, 2019, not yet cataloged, 75c

Length: Eight to nine inches, resident. The male (shown) is dull olive brown above and dull cinnamon below with a white rump and undertail. The female is spotted dusky below.

Habitat: Open areas in highlands.

Range: Southwestern Colombia to central Argentina.

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

**TANZANIAN RED-BILLED HORNBILL, *Tockus ruahae*** Bucerotidae  
Niger, 2019 April 24, not yet cataloged, 800fr

Length: 14 inches, sexes alike, resident. Black above and white below with a red bill, grayish throat, and yellow or orange eyes.

Habitat: Open savanna and woodland,

Range: Central Tanzania

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



†**JAMAICAN RED MACAW, *Ara gossei*** Psittacidae  
Djibouti, 2019 June 12, not yet cataloged, 250fr. Extinct around 1765.

Length: 35 inches, sexes alike, resident. Red with a yellow crown, nape and tail tip and blue wings.

Habitat: Forest.

Range: Jamaica.

Reference: Day, D. *Vanished Species*.

**RUFOUS CACHALOTE, *Pseudoseisura unirufa*** Furnariidae  
Paraguay, 2018 September 21, Sc#3091b, 2500g

Length: Eight inches, sexes alike, resident. Reddish-rufous, paler below with a gray bill.

Habitat: Gallery forest.

Range: Eastern Bolivia, southwestern Brazil, and northern Paraguay,

Reference: del Hoyo, J., A. Elliott, and J. Sargatal, Eds. *Handbook of the Birds of the World, Volume 8*.



**SOUTHERN BEARDLESS-TYRANNULET, *Camptostoma obsoletum*** Tyrannidae  
Ecuador, 2019, not yet cataloged. 75c

Length: Four inches, sexes alike, resident. Olive-gray above and pale yellow below with two white wing-bars and gray legs.

Habitat: Scrub and forest edges.

Range: Cuba, and Costa Rica to northern Argentina.

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





**WHITE-EYED SLATY-FLYCATCHER, *Melaeornis fischeri* ssp. *fischeri***

Muscicapidae

Malawi, 2018 June 4, not yet cataloged, 700k

Length: Six inches, resident. The male (shown) is dark bluish-gray above and pale bluish-gray below with a broad whitish-gray eyering. The female lacks the eyering.

Habitat: Forest and woodlands.

Range: The nominate race (shown) ranges from southeastern Sudan to

northern Tanzania.

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

**WHITE-BROWED LAUGHINGTHRUSH, *Pterorhinus sannio*** Leiothrichidae

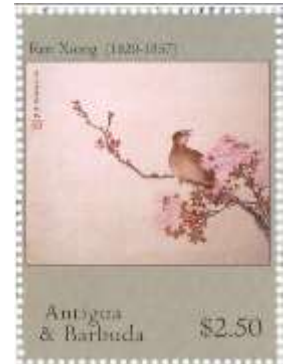
Antigua and Barbuda, 2004 February 16, Sc#2722a, \$2.50

Length: Nine inches, sexes alike, resident. Dull mid-brown above and cinnamon-buff below with a dark brown crown, white face, black eyestripe, and warm brown chin to breast.

Habitat: Grassy and scrubby areas and bamboo.

Range: Northeastern India to China and Vietnam.

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



**GREAT THRUSH, *Turdus fuscater*** Turdidae

Ecuador, 2019, not yet cataloged, 25c

Length: 11 to 13 inches, sexes alike, resident. Dark gray-brown, paler below with a yellow-orange bill.

Habitat: Open areas.

Range: Western Venezuela to western Bolivia.

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



**VAN HASSELT'S SUNBIRD, *Leptocoma brasiliana*** Nectariniidae

Maldives Islands, 2019 June 1, not yet cataloged, 22r

Length: Four inches, resident. The male (shown) is black above and maroon-crimson below with a green crown and sooty-brown belly. The female is dull olive-green above and greenish-yellow below.

Habitat: Forest.

Range: Northeastern India to Borneo and western Java.

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



**PALESTINE SUNBIRD, *Cinnyris osea*** Nectariniidae

Maldives Islands, 2019 June 1, not yet cataloged, 22r

Length: Three to four inches, resident. The male (shown) is metallic blue-green above and violet below with a black chin. The female is greenish above and off-white below,

Habitat: Savanna, orchards, and gardens,

Range: Lebanon to Oman; Sudan to eastern Cameroon and northwestern Uganda;

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

**STREAKED SPIDERHUNTER, *Arachnothera magna*** Nectariniidae

Niger, 2019 June 26, not yet cataloged, 800fr

Length: Seven to 14 inches, sexes alike but the female is much smaller, resident. Black-streaked golden yellowish-olive above and black-streaked yellowish-white below with a long curved bill.

Habitat: Forest and surrounding areas.

Range: Nepal to Vietnam and the Malay Peninsula.

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

**RUSTY FLOWERPIERCER, *Diglossa sittoides*** Thraupidae

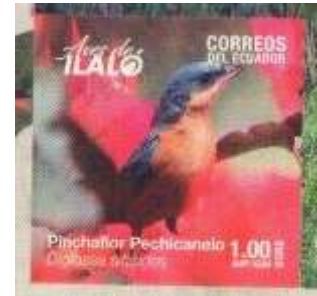
Ecuador, 2019, not yet cataloged, \$1

Length: Four inches, resident. The male (shown) is plumbeous gray above and pale cinnamon below. The female is medium olive-gray above and faintly streaked grayish-olive below.

Habitat: Shrubby areas and forest canopy.

Range: Western Venezuela to northwestern Argentina.

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

**BLACK-AND-WHITE SEEDEATER, *Sporophila luctuosa*** Thraupidae

Ecuador, 2019, not yet cataloged, 25c

Length: Four inches, resident. The male (shown) is black with a white belly and wing patch. The female is warm buffy brown above and warm buff below.

Habitat: Grassland and shrubs.

Range: Western Venezuela to Bolivia.

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

**SPOTTED TANAGER, *Tangara punctata*** Thraupidae

Guyana, 2018 November 20, Sc#4588a, \$500 SS

Length: Five inches, sexes similar, resident. Green, paler below with spots on the head, neck, and breast.

Habitat: Humid forest.

Range: Southern Venezuela to northern Brazil and Peru to Bolivia.

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

**CHESTNUT-AND-BLACK WEAVER, *Ploceus castaneofuscus*** PloceidaeSierra Leone, 2018, not yet cataloged, 500le (Cap: *Ploceus nigerrimus*)

Length: Seven inches, resident. The male (shown) is black with a chestnut back and belly. The female is streaked dull greenish above and buff below.

Habitat: Open areas.

Range: Gambia to southern Nigeria.

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

## ENDANGERED TURTLES

On 23 May 2019, World Turtle Day, Canada Post released stamps featuring two species of endangered turtles. The Blanding's Turtle (*Emydoidea blandingii*) is found in central-southwest Nova Scotia and in the Great Lakes/St. Lawrence region of southern Ontario and southwestern Quebec. Although the Spotted Turtle (*Clemmys guttata*) now inhabits only isolated pockets of central and southern Ontario, it was likely once distributed more widely.

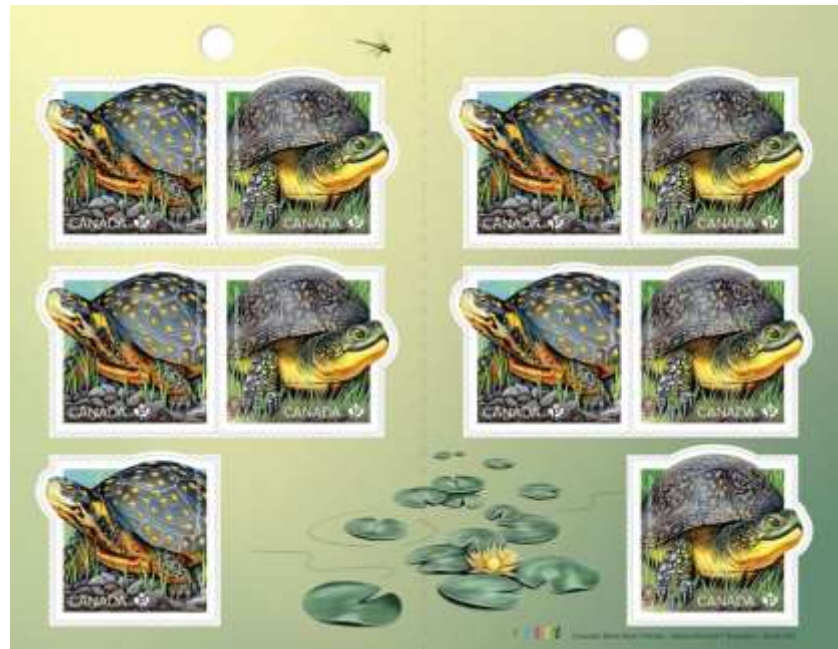
Like all eight of Canada's freshwater turtle species, these species play a vital role in the wetland ecosystems they inhabit as predators of insects and other invertebrates and as scavengers that consume dead plants and animals. These turtles have been assessed as endangered by the Committee on the Status of Endangered Wildlife in Canada.

Did you know?

- The Blanding's Turtle has a mouth that curves slightly upward, making it appear as if it is always smiling.
- Blanding's Turtles hibernate from fall until early spring, partially burying themselves in the mud or sand at the bottom of shallow bodies of water that become ice covered.
- They are one of the longest-lived freshwater turtles, able to survive and reproduce well into their 80s.
- The Spotted Turtle is one of Ontario's smallest turtle species, with a shell less than 13 cm in length.
- Spotted Turtles are the first of Ontario's turtle species to emerge from hibernation in early spring, thanks to their tolerance for cold.
- Slow to mature, they may be capable of living for more than 100 years.

Blanding's and Spotted turtles both reproduce slowly, so every individual lost has a severe impact on the overall population. For this reason, the mortality of turtles on roadways poses a significant threat to both species. Other threats include habitat loss and fragmentation, invasive plants affecting their habitats, and illegal collection. Thanks to conservation efforts, however, there is still hope for their recovery.

These stunning stamps, designed by Adrian Horvath and illustrated by Sarah Still, are available in booklets of 10. The Official First Day Cover is cancelled in Maitland Bridge, Nova Scotia, near the province's Blanding's turtle population.





# MARINE INVERTEBRATES

Editor

Ian Hunter, BU1619

New Listings



Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
<b>FR. SOUTH. &amp; ANTARCTIC TERR. 2019 January 2 (Fish) (Single)</b>				
606	€1.70	U/I Starfish (w/ fish)		U B
<b>2019 January 2 (Shells of Adele Land) (SS/3)</b>				
615a	SS 70c	Iridescent Antarctic Snail, <i>Falsimargarita gemma</i>	Calliostomatidae	A
615b	SS 95c	a Murex Shell, <i>Trophonella scotiana</i>	Muricidae	A
615c	SS €1.35	a Murex Shell, <i>Trophonella shackletoni</i>	Muricidae	A
<b>MONACO 2019 March 15 (Mediterranean Science Commission) (Single)</b>				
2967	€1.30	U/I Starfish		U B
<b>PHILIPPINES 2018 February 10 (Centenary Municipality of Mabini) (Horiz Pair)</b>				
3767b	12p	U/I Coral Reef (underwater scene)		U A
<b>ST. THOMAS AND PRINCE IS. 2017 March 13 (Shells &amp; Lighthouses) (MS/4 &amp; SS/1)</b>				
3255b	31000d	Flowery Lace Murex, <i>Chicoreus florifer</i>	Muricidae	B
3255c	31000d	Regal Murex, <i>Hexaplex regius</i>	Muricidae	B
3274	SS Margin	LL: Precious Wentletrap, <i>Epitonium scalare</i>	Epitoniidae	Z
		Bot & Ctr: Venus Comb Murex, <i>Murex pecten</i>	Muricidae	Z
		LR: Red Helmet Shell, <i>Cypraecassis rufa</i>	Cassidae	Z
		MR: Atlantic Thorny Oyster, <i>Spondylus americanus</i>	Spondylidae	Z
<b>SLOVAKIA 2019 March 22 (Timekeeping Devices) (Horiz Pair) (Joint Issue)</b>				
813b	€1.20	Stylized Crab (Zodiac) (on astronomical clock, Stara Bystrica, Slovakia)		S C
<b>SLOVENIA 2019 March 22 (Timekeeping Devices) (Horiz Pair) (Joint Issue)</b>				
1326b	€1.17	Stylized Crab (Zodiac) (on astronomical clock, Stara Bystrica, Slovakia)		S C
<b>SPAIN 2019 January 28 (Almería: 2019 Gastronomic Capital) (Single)</b>				
4337	(70c)	Stylized Shrimp (w/ vegetables) (inscr. "A2")		S B
<b>SURINAM 2018 May 16 (Marine Life of the Mariana Trench) (Set/7)</b>				
1533	\$9.50	a Hydrozoan, <i>Benthocodon hyalinus</i>	Rhopalonematidae	A
1537	\$20	Ping-pong Tree Sponge, <i>Chondrocladia lampadiglobus</i>	Cladorhizidae	A
1538	\$34	Deep-sea Octopus, <i>Grimpoteuthis abyssicola</i>	Opisthoteuthidae	A
<b>2019 March 13 (Marine Life of the Mariana Trench) (Block/8)</b>				
1560a	(\$1.50)	Dumbo Octopus, <i>Grimpoteuthis</i> sp. (inscr. "C")	Opisthoteuthidae	U A
1560c	\$10	Arctic Comb Jelly, <i>Mertensia ovum</i>	Mertensiidae	A
1560e	\$15	Marine Isopod, <i>Munnopsis</i> sp.	Munnopsidae	U A
1560h	\$30	Glowing Sucker Octopus, <i>Stauroteuthis syrtensis</i>	Stauroteuthidae	A
<b>TONGA 2018 March 15 (Easter) (MS/4)</b>				
1334c	2.25pa	Stylized Shells (w/ flowers & eggs)		S C
<b>TONGA (Niufo'ou) 2018 March 15 (Easter)</b>				
370b	2.25pa	Stylized Shells (w/ butterflies & eggs)		S C



<b>TONGA (Niuafu'ou) (continued)</b>		<b>2018 September 7 (Shells) (2ea SS/2)</b>		
374a	SS 5pa	Giant Spider Conch, <i>Lambis truncata</i>	Strombidae	A
374b	SS 5pa	Textile Cone, <i>Conus textile</i> ♂	Conidae	A
375a	SS 5pa	Venus Comb Murex, <i>Murex pecten</i>	Muricidae	A
375b	SS 5pa	Emperor Nautilus, <i>Nautilus pompilius</i>	Nautilidae	A
<b>TURKISH CYPRUS</b>		<b>2018 December 13 (Outdoor Activities) (Set/2)</b>		
824	2.50l	Coral Reef (w/ scuba diver & kayaker)		U C
<b>TUVALU</b>		<b>2018 December 5 (Nudibranchs) (MS/6 &amp; SS/1)</b>		
1432a	50c	Variable Neon Slug, <i>Nembrotha kubaryana</i>	Polyceridae	A
1432b	\$1	Mediterranean Violet Aeolid, <i>Flabellina affinis</i>	Flabellinidae	A
1432c	\$1.50	Spanish Shawl, <i>Flabellinopsis iodinea</i>	Flabellinidae	A
1432d	\$2	Magnificent Sea Slug, <i>Chromodoris magnifica</i>	Chromodorididae	A
1432e	\$2.50	Willan's Chromodoris, <i>Chromodoris willani</i>	Chromodorididae	A
1432f	\$3	Hilton's Aeolid, <i>Phidiana hiltoni</i>	Facelinidae	A
1433	SS \$5	Crested Aeolis, <i>Janolus cristatus</i>	Proctonotidae	A
<b>VIETNAM</b>		<b>2018 June 23 (Marine Life) (Set/4, Bklt/8, SS/1)</b>		
3598	3000d	Chambered Nautilus, <i>Nautilus pompilius</i>	Nautilidae	A
3599	3000d	Commercial Top Shell, <i>Trochus niloticus</i>	Trochidae	A
3600	3000d	Maxima Clam, <i>Tridacna maxima</i>	Cardiidae	A
3601	10500d	Jester Cowrie, <i>Mauritia scurra</i>	Cypraeidae	A
3601a		Bklt/8 (2ea Sc#3598-3601)		
3602	SS 12000d	Triton's Trumpet, <i>Charonia tritonis</i>	Charoniidae	A

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next issue of Biophilately!**



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# ICHTHYOLOGY

Editor

J. Dale Shively, BU1832

## New Listings



Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
<b>ARMENIA</b> <b>2018 December 19</b> (Flora & Fauna) (Set/2)				
1167	330d	(no common name), <i>Capoeta capoeta</i> ssp. <i>sevangi</i>	Cyprinidae	A
<b>2019 March 26</b> (Calouste Sarkis Gulbenkian [1869–1955]) (Horiz Pair)				
1183b	330d	Stylized fish (design on ceramic bowl) (joint issue: see Portugal Sc#4110)		S C
<b>CHINA (Taiwan)</b> <b>2019 January 24</b> (Goldfish Variants) (Set/4)				
4455	\$6	Red Swallowtail, <i>Carassius auratus</i>	Cyprinidae	A
4456	\$6	Ryukin, <i>Carassius auratus</i>	Cyprinidae	A
4457	\$12	Dragon Eye, <i>Carassius auratus</i>	Cyprinidae	A
4458	\$28	Goose Head Pearl Scale, <i>Carassius auratus</i>	Cyprinidae	A
<b>2019 February 21</b> (Dongsha Atoll National Park) (Set/4)				
4459	\$8	Red-breasted Wrasse, <i>Cheilinus fasciatus</i>	Labridae	B
4460	\$13	Yellowhead Demoiselle, <i>Pomacentrus aurifrons</i>	Pomacentridae	B
		Bkgrd: U/I reef fish		U C
4461	\$15	Spotted Eagle Ray, <i>Aetobatus narinari</i>	Myliobatidae	B
		Bkgrd: U/I marine fish		U C
<b>CROATIA</b> <b>2019 May 15</b> (Marine Life) (MS/4) (s/a)				
Note: The illustration used in the Scott listing is of a marine life sheet issued in 2015.				
C6d	8.60k	Mediterranean Moray, <i>Muraena helena</i>	Muraenidae	A
<b>FAROE ISLANDS</b> <b>2019 February 25</b> (1539 Nautical Map Details) (Set/3 & SS/3)				
723	11k	Stylized fish (on map)		S B
724	17k	Stylized fish (on map)		S B
725	27k	Stylized fish (on map)		S B
725a		SS/3 (Sc#723–25)		
	Margin	Stylized fish (on map)		S B Z
<b>FRANCE</b> <b>2019 February 22</b> (Saltwater Fish) (Bklt/12)				
5606	88c	Atlantic Bluefin Tuna, <i>Thunnus thynnus</i>	Scombridae	A
5607	88c	Red Scorpionfish, <i>Scorpaena scrofa</i>	Scorpaenidae	A
5608	88c	European Seabass, <i>Dicentrarchus labrax</i>	Moronidae	A
5609	88c	John Dory, <i>Zeus faber</i>	Zeidae	A
5610	88c	Gilthead Seabream, <i>Sparus aurata</i>	Sparidae	A
5611	88c	Turbot, <i>Scophthalmus maximus</i>	Scophthalmidae	A
5612	88c	Common Sole, <i>Solea solea</i>	Soleidae	A
5613	88c	Atlantic Mackerel, <i>Scomber scombrus</i>	Scombridae	A
5614	88c	Dusky Grouper, <i>Epinephelus marginatus</i>	Serranidae	A
5615	88c	European Pilchard, <i>Sardina pilchardus</i>	Clupeidae	A
5616	88c	Thornback Ray, <i>Raja clavata</i>	Rajidae	A
5617	88c	Cod, <i>Gadus morhua</i>	Gadidae	A
5617a		Bklt/12 (Sc#5606–17)		

**FRENCH POLYNESIA****2019 May 24** (Marine Life in Protected Reserve) (Single)

Note: Stamp is a composite painting of many fish species. Lack of detail prevents identification of most species.

1227	100fr	Top: Flying Fish sp.	Exocoetidae	U B
		UL: Crevalle Jack, <i>Caranx hippos</i>	Carangidae	B
		UL: Rainbow Parrotfish, <i>Scarus flavipectoralis</i> (?)	Scaridae	U B
		Ctr: Grouper, <i>Epinephelus</i> sp. (?)	Serranidae	U B
		UR: Big Eye, <i>Priacanthus</i> sp.	Priacanthidae	U B
		LL: Snapper sp.	Lutjanidae	U B
		LL: Pennant Coralfish, <i>Heniochus acuminatus</i>	Chaetodontidae	B
		LL: Two-band Anemonefish, <i>Amphiprion bicinctus</i>	Pomacentridae	B
		LL: (Partial) Two-band Anemonefish, <i>Amphiprion bicinctus</i>	Pomacentridae	B
		LR: Butterflyfish sp.	Chaetodontidae	U B
		LR: Emperor Angelfish, <i>Pomacanthus imperator</i>	Pomacanthidae	B

**FR. SOUTH. & ANTARCTIC TERR. 2019 January 2** (Tern & Tromelin Island) (Single)

602	95c	U/I fish (in beak of White Tern)		U C
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**2019 January 2** (Fish) (Single)

606	€1.70	Antarctic Horsefish, <i>Zanclorhynchus spinifer</i>	Congiopodidae	A
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**GREENLAND****2019 January 21** (Fish) (Set/2 & SS/2) (perf 12½)

805	2k	Blue Whiting, <i>Micromesistius poutassou</i> (perf 12½)	Gadidae	A
805a	2k	Same species (perf 12½×13)	Gadidae	A
806	30k	American Plaice, <i>Hippoglossoides platessoides</i> (perf 12½)	Pleuronectidae	A
806a	30k	Same species (perf 12½×13)	Pleuronectidae	A
806b		SS/2 (Sc#805a & 806a)		

**GUYANA****2018 December 18** (Monster Fish) (MS/6 & SS/1)

4593a	\$150	Red-bellied Piranha, <i>Pygocentrus nattereri</i>	Serrasalminae	A
4593b	\$200	Ripsaw Catfish, <i>Oxydoras niger</i>	Doradidae	A
4593c	\$250	Redtail Catfish, <i>Phractocephalus hemioiopterus</i>	Pimelodidae	A
4593d	\$300	Tiger Sorubim, <i>Pseudoplatystoma tigrinum</i>	Pimelodidae	A
4593e	\$350	Redeye Piranha, <i>Serrasalmus rhombeus</i>	Serrasalminae	A
4593f	\$400	Tambaqui (Cachama), <i>Colossoma macropomum</i>	Serrasalminae	A
4593	Margin	Bkgrd: U/I Catfish (partial)		U Z
4594	SS \$800	Arapaima, <i>Arapaima gigas</i>	Arapaimidae	A
	Margin	Top: Arapaima, <i>Arapaima gigas</i> (partial)	Arapaimidae	Z

**ITALY****2018 May 26** (Centenary Maruzzella Canned Tuna) (Single)

3512	95c	Canned Tuna (w/ factory workers)		U B
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**MONACO****2019 March 15** (Atlantic Bluefin Tuna) (Single)

2968	€2	Atlantic Bluefin Tuna, <i>Thunnus thynnus</i>	Scombridae	A
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**PORTUGAL****2017 September 8** (Cascais, 2018 European Youth Capital) (Set/4)

3961	63c	Stylized fish in basket (Mural: "Avarina" by Add Fuel)		S C
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**2019 March 23** (Calouste Sarkis Gulbenkian [1869–1955]) (Set/2)

4110	91c	Stylized fish (design on ceramic bowl) (joint issue: see Armenia Sc#1183b)		S C
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**RUSSIA****2018 November 22** (Khabarovsk Coat of Arms) (Single)

7972	70r	Stylized fish (Taimen, <i>Hucho taimen</i> )(?)	Salmonidae	S C
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**ST. PIERRE & MIQUELON****2018 April 6** (20th anniv. French Patrol Ship *Fulmar*) (SS/1)

1059	€2	Cod, <i>Gadus morhua</i>	Gadidae	B
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**ST. VINCENT****2015 December 31** (Sharks) (MS/6, MS/4, 2ea SS/1)

4041a	\$3.15	Blacktip Reef Shark, <i>Carcharhinus melanopterus</i>	Carcharhinidae	A
4041b	\$3.15	(Smooth) Hammerhead Shark, <i>Sphyrna zygaena</i>	Sphyrnidae	A
4041c	\$3.15	Whale Shark, <i>Rhincodon typus</i>	Rhincodontidae	A
4041d	\$3.15	Caribbean Reef Shark, <i>Carcharhinus perezii</i>	Carcharhinidae	A
4041e	\$3.15	Lemon Shark, <i>Negaprion brevirostris</i>	Carcharhinidae	A
4041f	\$3.15	Nurse Shark, <i>Ginglymostoma cirratum</i>	Ginglymostomatidae	A
4041	Margin	Ctr: Nurse Shark, <i>Ginglymostoma cirratum</i>	Ginglymostomatidae	Z
4042a	\$3.25	Tiger Shark, <i>Galeocerdo cuvier</i>	Carcharhinidae	A
4042b	\$3.25	Great White Shark, <i>Carcharodon carcharias</i>	Lamnidae	A
4042c	\$3.25	Bull Shark, <i>Carcharhinus leucas</i>	Carcharhinidae	A
4042d	\$3.25	Oceanic Whitetip Shark, <i>Carcharhinus longimanus</i>	Carcharhinidae	A
4042	Margin	Ctr: Great White Shark, <i>Carcharodon carcharias</i>	Lamnidae	Z
4043	SS \$10	Zebra Shark, <i>Stegostoma fasciatum</i>	Stegostomatidae	A
4044	SS \$10	Pelagic Thresher Shark, <i>Alopias pelagicus</i>	Alopiidae	A

**2018 October 26** (Tropical Eels) (MS/4 & SS/1)

4157a	\$5	Spotted Moray, <i>Gymnothorax moringa</i>	Muraenidae	A
4157b	\$5	Goldspotted Eel, <i>Myrichthys ocellatus</i>	Ophichthidae	A
4157c	\$5	Sharptail Eel, <i>Myrichthys breviceps</i>	Ophichthidae	A
4157d	\$5	Giant Moray Eel, <i>Gymnothorax javanicus</i>	Muraenidae	A
4157	Margin	LL: U/I reef fish (partial)	Chaetodontidae	U Z
4158	\$10	Green Moray Eel, <i>Gymnothorax funebris</i>	Muraenidae	A
		Bluestreak Cleaner Wrasse, <i>Labroides dimidiatus</i>	Labridae	C
	Margin	LR: U/I Lionfish sp.	Scorpaenidae	U Z

**SIERRA LEONE****2018 January 30** (Fish) (MS/4 & SS/1)

4623a	9800le	Redtail Catfish, <i>Phractocephalus hemioliopterus</i>	Pimelodidae	A
4623b	9800le	Fresh Water Puffer Fish, <i>Tetraodon mbu</i>	Tetraodontidae	A
4623c	9800le	Elegant Firefish, <i>Nemateleotris decora</i>	Microdesmidae	A
4623d	9800le	Longnose Hawkfish, <i>Oxycirrhites typus</i>	Cirrhitidae	A
4643	SS 40000le	French Angelfish, <i>Pomacanthus paru</i>	Pomacentridae	A
	Margin	LR: French Angelfish, <i>Pomacanthus paru</i>	Pomacentridae	Z

**2018 February 27** (Stamps-on-Stamps) (MS/4)

4671c	9800le	U/I fish (partly exposed on s-o-s)		U C
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**2018 February 27** (Whales) (SS/1)

4686	SS Margin	Bot: U/I reef fish		U Z
		Bot: Powderblue Surgeonfish, <i>Acanthurus leucosternon</i>	Acanthuridae	Z
		LL: Dusky Batfish, <i>Platax pinnatus</i>	Ephippidae	Z

**2018 March 30** (Dugongs) (MS/4 & SS/1)

4716a	9800le	Remora, <i>Remora</i> sp.	Echeneidae	U B
4716b	9800le	Golden Trevally (3 juveniles), <i>Gnathanodon speciosus</i>	Carangidae	B
4716c	9800le	Golden Trevally (2 juveniles), <i>Gnathanodon speciosus</i>	Carangidae	B
4735	SS Margin	R: Golden Trevally (juveniles), <i>Gnathanodon speciosus</i>	Carangidae	Z

**SINGAPORE****2018 August 3** (Evening in Singapore) (Set/6 & SS/1)

1906	60c	Stylized fish (people fishing)		S C
1910	SS \$2	Stylized fish (angler fishing)		S C

**SLOVAKIA****2019 March 22** (Timekeeping Devices) (Horiz Pair) (Joint Issue)

813b	€1.20	Stylized Fish (Zodiac) (on astronomical clock, Stara Bystrica, Slovakia)		S C
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<b>SLOVENIA</b>		<b>2019 March 22</b> (Timekeeping Devices) (Horiz Pair) (Joint Issue)		
1326b	€1.17	Stylized Fish (Zodiac) (on astronomical clock, Stara Bystrica, Slovakia)		S C
<b>SURINAM</b>		<b>2018 May 16</b> (Marine Life of the Mariana Trench) (Set/7)		
1532	(50c)	Half-naked Hatchetfish, <i>Argyropelecus hemigymnus</i> (inscr. "A")	Sternoptychidae	A
1534	\$10	Fanfin Angler, <i>Caulophryne jordani</i>	Caulophrynidae	A
1535	\$11	Viperfish, <i>Chauliodus</i> sp.	Stomiidae	U A
1536	\$15	Friiled Shark, <i>Chlamydoselachus anguineus</i>	Chlamydoselachidae	A
		<b>2019 March 13</b> (Marine Life of the Mariana Trench) (Block/8)		
1560b	\$7.50	(no common name), <i>Himantolophus paucifilosus</i>	Himantolophidae	A
1560d	\$14	Goblin Shark, <i>Mitsukurina owstoni</i>	Mitsukurinidae	A
1560f	\$22	Barrel-eye, <i>Opisthoproctus soleatus</i>	Opisthoproctidae	A
1560g	\$25	Blacksnout Seasnail, <i>Paraliparis copei</i> ssp. <i>copei</i>	Liparidae	A
<b>SWEDEN</b>		<b>2018 May 3</b> (Fish) (Coil & Bklt/5 + 5 etiquettes)		
2819	21k	Three-spined Stickleback, <i>Gasterosteus aculeatus</i>	Gasterosteidae	A
2820a	21k	Cuckoo Wrasse, <i>Labrus mixtus</i>	Labridae	A
2820b	21k	Lumpfish, <i>Cyclopterus lumpus</i>	Cyclopteridae	A
2820c	21k	Two-spotted Goby, <i>Gobiusculus flavescens</i>	Gobiidae	A
2820d	21k	Rock Gunnel, <i>Pholis gunnellus</i>	Pholidae	A
2820e	21k	Shorthorn Sculpin, <i>Myoxocephalus scorpius</i>	Cottidae	A
2820		Bklt/5+5 etiquettes (Sc#2820a–e)		
<b>TOKELAU</b>		<b>2019 May 1</b> (Tradition of Sharing Foods) (Set/4 & SS/4)		
503	\$2	Skipjack Tuna, <i>Katsuwonus pelamis</i>	Scombridae	A
504a		SS/4 (Sc#501–04)		
<b>TUNISIA</b>		<b>2018 July 15</b> (60th International Festival of Sousse) (Single)		
1672	900m	Stylized seahorses	Syngnathidae	S B
		<b>2018 December 18</b> (Fauna) (Set/4 & SS/4)		
1684	500m	Orphie (Garfish), <i>Belone belone</i> (?)	Belonidae	U A
1687a		SS/4 (Sc#1684–87)		
<b>TUVALU</b>		<b>2018 December 5</b> (Tawny Nurse Shark) (MS/4 & SS/1)		
1430a	\$1	Tawny Nurse Shark, <i>Nebrius ferrugineus</i> (head)	Ginglymostomatidae	A
1430b	\$2	Same species	Ginglymostomatidae	A
1430c	\$3	Same species	Ginglymostomatidae	A
1430d	\$4	Same species	Ginglymostomatidae	A
1430	Margin	Bkgrd: Same species	Ginglymostomatidae	Z
		Bkgrd: U/I reef fish		U Z
		MR: Golden Trevally, <i>Gnathanodon speciosus</i>	Carangidae	C Z
1431	SS \$5	Tawny Nurse Shark, <i>Nebrius ferrugineus</i>	Ginglymostomatidae	A
		Remora, <i>Remora</i> sp.	Echeneidae	B
	Margin	UL: Tawny Nurse Shark, <i>Nebrius ferrugineus</i>	Ginglymostomatidae	Z
		UL: U/I reef fish		U Z
<b>UNITED NATIONS (Geneva)</b>		<b>2019 April 26</b> (Endangered Species Type 2019) (Block/4)		
663	1.50fr	Yellow Seahorse, <i>Hippocampus kuda</i>	Syngnathidae	A
666	1.50fr	Porbeagle (Shark), <i>Lamna nasus</i>	Lamnidae	A
<b>UNITED NATIONS (Vienna)</b>		<b>2019 April 26</b> (Endangered Species Type 2019) (Block/4)		
634	90c	European Eel, <i>Anguilla anguilla</i>	Anguillidae	A
636	90c	Beluga (European Sturgeon), <i>Huso huso</i>	Acipenseridae	A

<b>VIET NAM</b>		<b>2018 June 23</b> (Invertebrate Marine Life) (Set/4 & Bklt/8)		
3598	3000d	U/I Butterflyfish (w/ nautilus)	Chaetodontidae	U C
3599	3000d	UL: U/I Goby (w/ top shell)	Gobiidae	U C
		UR: U/I Butterflyfish	Chaetodontidae	U C
3600	3000d	U/I Butterflyfish (w/ clam)	Chaetodontidae	U C
3601	10500d	U/I Butterflyfish	Chaetodontidae	U C
3601a		Bklt/8 (2ea Sc#3598–3601)		
3602	SS Margin	UL: (no common name), <i>Callanthius japonicas</i> (?)	Callanthiidae	U Z
<b>WALLIS &amp; FUTUNA ISLANDS</b>		<b>2017 September 22</b> (Rays) (MS/4)		
790a	5fr	Blue-spotted Stingray, <i>Dasyatis</i> (= <i>Neotrygon</i> ) <i>kuhlii</i>	Dasyatidae	A
790b	10fr	Round Ribbontail Ray, <i>Taeniura meyeni</i>	Dasyatidae	A
790c	30fr	Spotted Eagle Ray, <i>Aetobatus narinari</i>	Myliobatidae	A
790d	115fr	Reef Manta Ray, <i>Mobula alfredi</i> (underside)	Myliobatidae	A
790	Margin	LL: Stylized Manta Ray, <i>Mobula alfredi</i>	Myliobatidae	S Z
		Ctr: Manta Ray, <i>Mobula alfredi</i>	Myliobatidae	Z
		UR: Spotted Eagle Ray, <i>Aetobatus narinari</i>	Myliobatidae	Z
		LR: False Moorish Idol (Pennant Fish), <i>Heniochus diphreutes</i>	Chaetodontidae	Z
		LL/LR: Emperor Angelfish, <i>Pomacanthus imperator</i>	Pomacanthidae	Z
		<b>2017 November 9</b> (Global Warming) (Horiz Strip/4)		
792b	115fr	U/I reef fish (w/ Vanuatu map)		U C
792d	115fr	U/I pelagic fish (w/ Fiji map)		U C
		<b>2018 November 8</b> (Mangrove Conservation) (Horiz Strip/4)		
805b	115fr	Snapper, <i>Lutjanus</i> sp. (?)	Lutjanidae	U B

## ANTARCTIC HORSEFISH

On 2 January 2019, the French Southern and Antarctic Territories released a stamp featuring an Antarctic Horsefish (*Zanclorhynchus spinifer*). FSAT is a French overseas territory consisting of Adélie Land in coastal Antarctica and several islands in the southern Indian Ocean: Crozet Islands, Kerguelen Islands, Amsterdam Island, and Île Saint-Paul. They are also known for some attractive penguin stamps.

Frankly, this stamp is not in the same league as the penguin stamps not only because of its less-than-attractive subject, but also because the printing is not nearly as well done.



Its distribution includes the FSAT islands in the Southern Ocean where it occurs at depths from 5 to 1000 meters. It feeds mainly on benthic invertebrates, primarily amphipods. It is a member of the family Congiopodidae and may be the first member of this family to be depicted on a stamp.

Due to its deep water nature, not much is known about the species. It is of minor importance to the commercial fishing industry and its conservation has been assessed as “Least Concern.”

## BIOLOGY UNIT HISTORY & JOURNAL INDEX

We recently received an email from one of our new members, Koenraad Bracke from Belgium. He has taken advantage of his membership to acquaint himself with our study unit by checking out the back issues of *Biophilately* on our website ([www.biophilately.org](http://www.biophilately.org)) and reading about the history of the organization included in *The Mother of All Indexes*, which we published in 2013. Here is what he had to say:

“I have now been able to read the magazines on the website. Interesting - this chapter what X does in his free time. I will look if I can make this for my animals, too (owls, woodpeckers, spiders, ...).

“Is a membership listing (with collecting interests) included in one of the magazines? Or is this sent separately to members?

“I would like to contact Jean Stout regarding her cockroach exhibit on the website. I would also like to see the collecting interests of the other members.

“In the Unit History of 2013, I read the following:

*The ATA celebrated its 50th anniversary during the NTSS at its birthplace in Milwaukee, Wisconsin, 30 July through 1 August 1999. The Unit held its annual meeting on Saturday, 31 July at the Sheraton Four Points Hotel with 20 members and guests including international members from Canada and Germany and a guest from Belgium.*

“The guest from Belgium—that was me. I also showed my “owls” exhibit there, next to the one of Frederick S. Ziemann who showed his “owls” for the last time and who won the Biology Unit Award. At that time as an exhibitor you could not get much explanation of the Jury—no points were given, only medals. We both received a gold medal, but no-one could explain why the one was better as the other. Fortunately, it seems that this has changed now in the US—they give points now, so now you can compare where you score better. Maybe after all these years I will participate again at one of the next ATA shows.”

Best wishes,  
Koenraad

Koenraad has raised some points that should be of interest to many other Unit members. First of all, he inquired about a membership directory. The last such directory that we published was in 2013. There is more than one reason that we have not released a subsequent directory.

First of all, we have given our members the option to have their contact information and collecting interests made available in such a directory, or not. Because several members opted to be excluded from the directory, the officers decided that a directory would be of limited usefulness if it lacked a significant number of members.

Another more recent reason involves privacy concerns described on page 171. The Unit Board of Directors will be dealing with this issue and will be preparing a policy letter for release in the near future.

Second, Koenraad mentions an incident described in our Unit history published along with a comprehensive index of the first 62 volumes of the Unit journal. Every Unit member should be very proud of the activities and contributions that the members of the Biology Unit have made throughout its history. This publication not only describes these activities, but also provides statistical data and other consolidated information about the Unit and its members. I highly recommend that each member take some time to review this history and I am sure you will be just as impressed as I am with what a great organization we have.

When we published the index, we sent a copy to everyone who was a member at the time. If you have not received a copy, or have misplaced the one you got, you can download a copy of *The Mother of All Indexes* from the Home page on our website.

Last, we would like to invite Koenraad (and every other Unit member) to enter an exhibit at the NTSS (or whatever the new name will be) next year in Hartford, Connecticut. We need to show the APS and ADFCS what interesting and fun exhibits really look like.



# ENTOMOLOGY

Editor

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



## New Listings

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
<b>BELARUS</b> <b>2019 June 27</b> (Lichens) (Set/3 & SS/6)				
N/A	(42k)	Ruby-tailed Wasp, <i>Chrysis ignita</i> L. (inscr. "A")	Chrysididae, Chrysidinae	B
N/A	(1.38r)	Black-spotted Longhorn, <i>Rhagium mordax</i> DeGeer (inscr. "M")	CER, Lepturinae	B
N/A	(1.50r)	Red Wood Ant, <i>Formica rufa</i> L. (inscr. "H")	FOR, Formicinae	B
N/A		SS/6 (2ea above)		
<b>CANADA</b> <b>2018 March 1</b> (Lotus Flowers) (SS/2)				
3087	Margin	ML: U/I Dragonfly (w/ flowers)	Odonata	U Z
<b>CHINA (Taiwan)</b> <b>2019 March 20</b> (Chinese Idioms) (Set/4)				
4466	\$8	Stylized Butterflies	PAP, Papilioninae	S B
<b>FINLAND</b> <b>2019 June 5</b> (Nature Signs II) (Horiz Strip/5)				
a	(€1.50)	Holly Blue, <i>Celastrina argiolus</i> L. ♀	LYC, Polyommatae	A
<b>IRELAND</b> <b>2019 April 15</b>				
N/A	(€1)	Tawny Mining Bee, <i>Andrena fulva</i> Müller (inscr. "N")	AND, Andreninae	A
<b>MOROCCO</b> <b>2019 April 16</b> (Bees & Lemons) (Set/2)				
N/A	3.75d	Western Honeybee, <i>Apis mellifera</i> L.	API, Apinae	B
<b>NETHERLANDS</b> <b>2019 June 10</b> (Butterflies & Moths) (MS/10 & SS/3)				
a	(87c)	Alcon Blue, <i>Maculinea alcon</i> Denis & Schiffermüller,	LYC, Polyommatae	A
b	(87c)	Grizzled Skipper, <i>Pyrgus malvae</i> L.	HES, Pyrginae	A
c	(87c)	Green Hairstreak, <i>Callophrys rubi</i> L.	LYC, Theclinae	A
d	(87c)	Small Tortoiseshell, <i>Nymphalis urticae</i> L.	NYM, Nymphalinae	A
e	(87c)	Blood-vein, <i>Timandra comae</i> Schmidt	GEO, Sterrhinae	A
f	(87c)	Sooty Copper, <i>Lycaena tityrus</i> Poda	LYC, Lycaeninae	A
g	(87c)	Common Blue, <i>Polyommatus icarus</i> Rottemburg	LYC, Polyommatae	A
h	(87c)	Six-spot Burnet Moth, <i>Zygaena filipendulae</i> L.	ZYG, Zygaeninae	A
i	(87c)	Small Emperor, <i>Saturnia pavonia</i> L.	SAT, Saturniinae	A
j	(87c)	Nine-spotted Moth, <i>Amata phegea</i> L.	ARC, Ctenuchinae	A
	Margin	UL: Old World Swallowtail, <i>Papilio machaon</i> L. (larva)	PAP, Papilioninae	Z
		Top: Same species (adult)	PAP, Papilioninae	Z
a	SS (87c)	Small Cabbage White, <i>Pieris rapae</i> L. ♂ (also UR margin)	PIE, Pierinae	A Z
b	SS (87c)	Common Blue, <i>Polyommatus icarus</i> Rottemburg	LYC, Polyommatae	A
c	SS (87c)	Brimstone, <i>Gonepteryx rhamni</i> L.	PIE, Coliadinae	A
<b>PANAMA</b> <b>2018 July 22</b> (National Folklore) (Set/4)				
N/A	50c	Stylized Butterfly (as jewelry)	Lepidoptera	S B
<b>SURINAME</b> <b>2017 December 19</b> (Flora & Fauna) (New Data)				
1516-27	SS \$5	Each of these SS has multiple stylized Butterflies in the margin	Lepidoptera	S Z
1524	SS \$5	<i>Eulepte gastralis</i> Guenée	CRAM, Spilomelinae	A
1526	SS \$5	<i>Brachymesia</i> sp.	LIB, Libellulinae	U A



<b>SURINAME</b> (continued)		<b>2019 June 12</b> (Butterflies) (MS/24 + 4 labels)		
a	(\$1.50)	Giant Brimstone, <i>Anteos maerula</i> Fabr. (inscr. "C")	PIE, Coliadinae	A
b	\$4.50	Orange Albatross, <i>Appias nero</i> Fabr.	PIE, Pierinae	A
c	\$6	Orange Emigrant, <i>Catopsilia scylla</i> L.	PIE, Coliadinae	A
d	\$7	Labrador Sulfur, <i>Colias nastes</i> Boisduval	PIE, Coliadinae	A
e	\$9	Orange Butterfly, <i>Colias vauthierii</i> Guerin- Méneville ♂	PIE, Coliadinae	A
f	\$10	Violet Tip, <i>Colotis celimene</i> Lucas	PIE, Pierinae	A
g	\$11	Scarlet Tip, <i>Colotis danae</i> Fabr.	PIE, Pierinae	A
h	\$12	Purple Tip, <i>Colotis ione</i> Godart	PIE, Pierinae	A
i	\$14	Queen Purple Tip, <i>Colotis regina</i> Trimen	PIE, Pierinae	A
j	\$18	Western Emperor Swallowtail, <i>Papilio lormieri</i> Distant	PAP, Papilioninae	A
k	\$20	Gloss Swallowtail, <i>Papilio pericles</i> Wallace	PAP, Papilioninae	A
l	\$22	Three-tailed Swallowtail, <i>Papilio pilumnus</i> Boisduval	PAP, Papilioninae	A
N/A		MS/24 (2ea #a-1 + 4 labels)		
	Labels	L: Orange Emigrant, <i>Catopsilia scylla</i> L.	PIE, Coliadinae	Z
		ML: Scarlet Tip, <i>Colotis danae</i> Fabr.	PIE, Pierinae	Z
		MR: Three-tailed Swallowtail, <i>Papilio pilumnus</i> Boisduval	PAP, Papilioninae	Z
		R: Gloss Swallowtail, <i>Papilio pericles</i> Wallace	PAP, Papilioninae	Z
<b>SWEDEN</b>		<b>2018 August 23</b> (Good Luck Greetings) (Vert Strip/5)		
2828b	(9k)	Nine-spotted Ladybird, <i>Coccinella novemnotata</i> Herbst	COC, Coccinellinae	A
<b>TAJIKISTAN</b>		<b>2018 April 20</b> (Cats) (Horiz Strip/3)		
492b	4.20s	Cat playing with stylized Butterfly	Nymphalidae	S B
<b>TUVALU</b>		<b>2018 December 5</b> (Nebulae) (MS/4)		
1427b	\$2	"Bug" or "Butterfly" Nebula (NGC 6302)		X
<b>UNITED NATIONS (New York)</b>		<b>2019 May 20</b> (World Bee Day) (SS/1)		
N/A	SS \$3	<i>Cadeguala occidentalis</i> Haliday	COL, Diphaglossinae	A
	Margin	UR: Bee silhouette	API, Apinae	S Z
<b>UNITED NATIONS (Geneva)</b>		<b>2019 May 20</b> (World Bee Day) (SS/1)		
N/A	2.60fr	Giant Bumblebee, <i>Bombus dahlbomii</i> Guerin- Méneville	API, Apinae	A
	Margin	LR: Bee silhouette	API, Apinae	S Z
<b>UNITED NATIONS (Vienna)</b>		<b>2019 May 20</b> (World Bee Day) (SS/1)		
N/A	€2.70	Common Long-horned Bee, <i>Melissodes communis</i> Cresson	API, Apinae	A
	Margin	LR: Bee silhouette	API, Apinae	S Z
<b>UNITED STATES</b>		<b>2019 May 22</b> (Sesame Street Muppets) (MS/16)		
5394g	(55c)	Very stylized Caterpillar (w/ "Oscar the Grouch" Muppet)	Lepidoptera	S C
<b>VIETNAM</b>		<b>2018 August 18</b> (Fauna of Kon Ka Kinh Park) (Set/4 & SS/4)		
3611	10500d	Dark-horned Lantern-Fly, <i>Pyrops spinolae</i> Westwood (perf 13)	FUL, Fulgorinae	A
3611a		SS/4 (Sc#3608-11) (perf 13½×13¾)		
		<b>2019 June 11</b> (China World Stamp Exhibition) (Set/4, MS/8, SS/1)		
N/A	4000d	Chain Swordtail, <i>Graphium aristeus</i> Stoll	PAP, Papilioninae	A
N/A	4000d	Great Purple, <i>Sasakia charonda</i> Hewitson ♂	NYM, Apaturinae	A
N/A	6000d	Orange Oakleaf, <i>Kallima inachus</i> Boisduval	NYM, Nymphalinae	A
N/A	8000d	Golden Birdwing, <i>Troides aeacus</i> C&R Felder	PAP, Papilioninae	A
N/A		MS/8 (2ea <i>G. aristeus</i> & <i>S. charonda</i> + 8 labels)		
	Margin	UL: Green Dragontail, <i>Lamproptera meges</i> Zinken-Sommer	PAP, Papilioninae	Z
		MR: Orange Oakleaf, <i>Kallima inachus</i> Boisduval	NYM, Nymphalinae	Z
		LR: Golden Birdwing, <i>Troides aeacus</i> C&R Felder	PAP, Papilioninae	Z

**VIETNAM** (continued)

	Labels	Stylized Butterfly (China World Stamp Exhibition logo) (w/ <i>G. aristeus</i> stamp)		S Z
		Stylized Butterfly eggs on leaf (w/ <i>S. charonda</i> stamp)	Lepidoptera	S Z
		Stylized larva (w/ <i>G. aristeus</i> stamp)	Lepidoptera	S Z
		Stylized Swallowtail butterfly (w/ <i>G. aristeus</i> stamp)	Lepidoptera	S Z
		Stylized chrysalis (w/ <i>S. charonda</i> stamp)	Lepidoptera	S Z
N/A	SS 15000d	Green Dragontail, <i>Lamproptera meges</i> Zinken-Sommer	PAP, Papilioninae	A

**Beyond the Catalog**

(Issues of dubious validity)

**ANGOLA****2019 May 15** (2019: Year of the Pig) (SS/1) (ANG190102b)

N/A	Margin	UL & UR: Stylized Butterflies	Lepidoptera	S Z
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**2019 May 15** (Malaria) (Set/4 & SS/1) (ANG190117a&b)

N/A	300k	<i>Anopheles maculipennis</i> Meigen (w/ inoculation)	CUL, Anophelinae	S B
N/A	300k	<i>Anopheles maculipennis</i> Meigen (fumigation)	CUL, Anophelinae	S B
N/A	300k	<i>Anopheles maculipennis</i> Meigen (w/ hospitalized child)	CUL, Anophelinae	S B
N/A	SS 1200k	<i>Plasmodium malariae</i> (under microscope)	Plasmodiidae	B
	Margin	LL: <i>Anopheles maculipennis</i> Meigen	CUL, Anophelinae	Z

**AZERBAIJAN (Nagorno Karabakh) 2016 May 20** (Flora & Fauna of Artsakh) (Set/4)

N/A	500d	Marbled White, <i>Melanargia galathea</i> L.	NYM, Satyrinae	A
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**GUINEA****2019 June 26** (Butterflies) (MS/4 & SS/1) (GU190215a&b)

a	12500fr	Vibrant Sulfur, <i>Hebomoia leucippe</i> Cramer	PIE, Pierinae	A
b	12500fr	Orange Tiger, <i>Danaus genutia</i> Cramer	NYM, Danainae	A
c	12500fr	Old World Swallowtail, <i>Papilio machaon</i> L.	PAP, Papilioninae	A
d	12500fr	BD Butterfly, <i>Callicore cynosura</i> Doubleday & Westwood	NYM, Biblidinae	A
	Margin	UL: Butterfly silhouette	Lepidoptera	S Z
N/A	SS 50000fr	Blue Emperor, <i>Papilio ulysses</i> L. (Cap: <i>Morpho peleides</i> )	PAP, Papilioninae	A
	Margin	R: Cairns Birdwing, <i>Troides priamus euphorion</i> Gray ♂	PAP, Papilioninae	Z
		UL: Butterfly silhouette	Lepidoptera	S Z

**GUINEA-BISSAU****2019 June 18** (Butterflies) (MS/6 & SS/1 + label) (GB190609a&b)

a	640fr	Brimstone, <i>Gonepteryx rhamni</i> L.	PIE, Coliadinae	A
b	640fr	Clouded Apollo, <i>Parnassius mnemosyne</i> L.	PAP, Papilioninae	A
c	640fr	Large Tortoiseshell, <i>Nymphalis polychloros</i> L.	NYM, Nymphalinae	A
d	640fr	Spurge Hawkmoth, <i>Hyles euphorbiae</i> L.	SPH, Macroglossinae	A
e	640fr	Dark Green Fritillary, <i>Speyeria aglaja</i> L.	NYM, Heliconiinae	A
f	640fr	Elephant Hawkmoth, <i>Deilephila elpenor</i> L.	SPH, Macroglossinae	A
b	SS 3300fr	Red Admiral, <i>Vanessa atalanta</i> L.	NYM, Nymphalinae	A
	Label	Apollo, <i>Parnassius apollo</i> L.	PAP, Papilioninae	Z
	Margin	Top: Old World Swallowtail, <i>Papilio machaon</i> L. (larva)	PAP, Papilioninae	Z
		R: Same species (two adults) (Cap: <i>Papilio glaucus</i> )	PAP, Papilioninae	Z
		MR: Same species (chrysalis)	PAP, Papilioninae	Z

**MALDIVE ISLANDS****2019 April 30** (Bees) (MS/4 & SS/1) (MLD190106a&b)

a	22r	Western Honeybee, <i>Apis mellifera</i> L. (on white flower facing L)	API, Apinae	A
b	22r	Same species (on white flower facing R)	API, Apinae	A
b	22r	Same species (on purple flower)	API, Apinae	A
d	22r	White-tailed Bumblebee, <i>Bombus terrestris</i> L.	API, Apinae	A
	Margin	LR: U/I Bee	Apidae	U Z
		Bot: U/I Hoverfly	Syrphidae	U Z

**MALDIVIVE ISLANDS** (continued)

N/A	SS 70r	Western Honeybee, <i>Apis mellifera</i> L.	API, Apinae	A
	Margin	UL: Yellow Jacket, <i>Vespa</i> sp.	VES, Vespinae	U Z
		ML: Bumblebee, <i>Bombus</i> sp.	API, Apinae	U Z
		LL: Western Honeybee, <i>Apis mellifera</i> L.	API, Apinae	Z
		LR: U/I Hoverfly	Syrphidae	U Z
		LR: Western Honeybee, <i>Apis mellifera</i> L.	API, Apinae	Z

**2019 April 30** (Butterflies) (MS/4 & SS/1) (MLD190208a&b)

a	22r	Chalk-Hill Blue, <i>Polyommatus coridon</i> Poda	LYC, Polyommatinae	A
b	22r	Brimstone, <i>Gonepteryx rhamni</i> L.	PIE, Coliadinae	A
c	22r	Common Blue, <i>Polyommatus icarus</i> Rottemburg	LYC, Polyommatinae	A
d	22r	Brown Argus, <i>Aricia agestis</i> Denis & Schiffermüller	LYC, Polyommatinae	A
	Margin	UR: Old World Swallowtail, <i>Papilio machaon</i> L.	PAP, Papilioninae	Z
N/A	SS 70r	Clouded Yellow, <i>Colias croceus</i> Geoffroy	PIE, Coliadinae	A
	Margin	R: Silver-studded Blue, <i>Plebejus argus</i> L. (w/ dozens puddling)	LYC, Polyommatinae	Z

**2019 May 15** (Bee-eater Birds) (MS/4 & SS/1) (MLD190303a&b)

a	20r	U/I Insect (in bird's beak)		U C
N/A	SS Margin	U/I Insect (in bird's beak)		U C Z

**MOZAMBIQUE****2019 April 10** (Bees) (MS/4 & SS/1) (MOZ190218a&b)

a	116m	Violet Carpenter Bee, <i>Xylocopa violacea</i> L.,	API, Xylocopinae	A
b	116m	Great Yellow Bumble Bee, <i>Bombus distinguendus</i> Morawitz	API, Apinae	A
c	116m	Blue Orchard Bee, <i>Osmia lignaria</i> Say	MEG, Megachilinae	A
d	116m	Tri-colored Bee, <i>Bombus ternarius</i> Say	API, Apinae	A
	Margin	UR: Western Honeybee, <i>Apis mellifera</i> L. (three)	API, Apinae	Z
N/A	SS 300m	Brown Bumble Bee, <i>Bombus pascuorum</i> Scopoli	API, Apinae	A
	Margin	UL: Gray-backed Mining Bee, <i>Andrena vaga</i> Panzer	AND, Andreninae	Z
		ML: Carpenter Bee, <i>Xylocopa valga</i> Gerstaecker	API, Xylocopinae	Z
		MR: Violet Carpenter Bee, <i>Xylocopa violacea</i> L.	API, Xylocopinae	Z

**2019 April 10** (Malaria) (MS/4 & SS/1) (MOZ190221a&b)

a	116m	African Malaria Mosquito, <i>Anopheles gambiae</i> Giles	CUL, Anophelinae	B
N/A	SS 300m	African Malaria Mosquito, <i>Anopheles gambiae</i> Giles	CUL, Anophelinae	B

**2019 June 10** (Butterflies) (MS/4 & SS/1) (MOZ190313a&b)

a	116m	Meadow Argus, <i>Junonia villida</i> Fabr.	NYM, Nymphalinae	A
b	116m	Gray Hairstreak, <i>Strymon melinus</i> Hübner	LYC, Theclinae	A
c	116m	Large Tree Nymph, <i>Idea leuconoe</i> Erichson	NYM, Danainae	A
d	116m	Mexican King Cracker, <i>Hamadryas amphinome mexicana</i> Lucas	NYM, Biblidinae	A
N/A	SS 300m	Sapho Longwing, <i>Heliconius sapho</i> Drury	NYM, Heliconiinae	A
	Margin	Top: Peacock, <i>Nymphalis io</i> L. (Cap: <i>Aglais io</i> )	NYM, Nymphalinae	Z

**NIGER****2019 June 26** (Butterflies) (MS/4 & SS/1) (NIG190308a&b)

a	800fr	Tailed Jay, <i>Graphium agamemnon</i> L.	PAP, Papilioninae	A
b	800fr	Malabar Tree Nymph, <i>Idea malabarica</i> Moore	NYM, Danainae	A
c	800fr	Starry Cracker, <i>Hamadryas laodamia</i> Cramer	NYM, Biblidinae	A
d	800fr	Tiger Longwing, <i>Heliconius hecale</i> Fabr.	NYM, Heliconiinae	A
	Margin	UL: U/I Butterfly	Nymphalidae	U Z
		LL: <i>Papilio</i> sp.	PAP, Papilioninae	U Z
		UR: Peacock, <i>Nymphalis io</i> L.	NYM, Nymphalinae	Z
		LR: U/I Butterfly	Lepidoptera	U Z

**NIGER** (continued)

N/A	SS 3300fr	Malachite, <i>Siproeta stelenes</i> L.	NYM, Nymphalinae	A
	Margin	UL: Gulf Fritillary, <i>Agraulis vanillae</i> L.	NYM, Heliconiinae	Z
		Bot: Scarlet Peacock, <i>Anartia amathea</i> L.	NYM, Nymphalinae	Z
		UR: Amber Phantom, <i>Haetera piera</i> L.	NYM, Satyrinae	Z

**SIERRA LEONE****2019 May 30** (Butterflies) (MS/4 & SS/1) (SRL190502a&b)

a	12500le	Brimstone, <i>Gonepteryx rhamni</i> L.	PIE, Coliadinae	A
b	12500le	Red Admiral, <i>Vanessa atalanta</i> L.	NYM, Nymphalinae	A
c	12500le	Meadow Brown, <i>Maniola jurtina</i> L.	NYM, Satyrinae	A
d	12500le	Silver-washed Fritillary, <i>Argynnis paphia</i> L.	NYM, Heliconiinae	A
N/A	SS 50000le	Small Tortoiseshell, <i>Nymphalis urticae</i> L.	NYM, Nymphalinae	A
	Margin	UL: Common Pierrot, <i>Castalius rosimon</i> Fabr.	LYC, Polyommatainae	Z
		Top: Common Rose, <i>Atrophaneura hector</i> L.	PAP, Papilioninae	Z
		R: Gold-banded Forester, <i>Euphaedra neophron</i> Hopffer	NYM, Limenitidinae	Z

**2019 May 30** (Bee-eaters) (SS/1) (SRL190515b)

N/A	SS Margin	UR: U/I Insect (in bird's beak)		U Z
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Jose again went to the Philatelic Department of Angolan Posts for further information about the Stamperija stamps for Angola and he reports the following:

“The person that received me this time is better informed about the problem of Stamperija stamps. She told me that she knows about the matter and had already questioned the authorities of the Ministry of Communications. She is waiting for an answer from them and thinks that possibly she will have an answer sometime this month [June]. When she has the answer, she will phone me.

“It seems that the former person responsible for the Post possibly had authorized the Stamperija issues but did not give the information about the matter to the present person responsible. She also told me that there are a lot of other people asking the Department about the legality of these issues and even the Minister has knowledge about the problem.

“Maria de Lurdes, who is responsible for the Philatelic Department, told me that in order to contact the Posts, email them at [comercial@correiosdeangola.co.ao](mailto:comercial@correiosdeangola.co.ao). If there are a lot of people asking about the matter, it may speed up getting an answer.”

Jose and I have already used that email address, but so far no answer.





# PALEONTOLOGY

Editor

Michael Kogan, BU1863

New Listings



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

**2019 May 15** (Prehistoric Water Animals)<sup>[1]</sup> (Set/4 & SS/1)

Each stamp also issued in individual MS/10 with the same prehistoric animal in the margin.

N/A	300k	<i>Dunkleosteus terrelli</i> (Cap: <i>Dinichthys terrelli</i> )	†Dunkleosteidae	A
N/A	300k	<i>Ichthyosaurus communis</i>	†Ichthyosauridae	A
N/A	300k	<i>Liopleurodon ferox</i>	†Pliosauridae	A
N/A	300k	<i>Eromangasaurus australis</i>	†Elasmosauridae	A
N/A	SS 1200k	<i>Helicoprion bessonowi</i>	†Helicoprionidae	A
	Margin	UL: <i>Dunkleosteus terrelli</i>	†Dunkleosteidae	Z
		LL: <i>Liopleurodon ferox</i>	†Pliosauridae	Z
		UR: <i>Eromangasaurus australis</i>	†Elasmosauridae	Z
		LR: <i>Ichthyosaurus communis</i>	†Ichthyosauridae	Z

**2019 May 15** (Charles Darwin & Dinosaurs)<sup>[1]</sup> (Set/4 & SS/1)

Each stamp also issued in individual MS/10 with the same prehistoric animal in the margin.

N/A	300k	<i>Parasaurolophus walkeri</i> (fossil) (w/ young Darwin portrait)	†Hadrosauridae	A
N/A	300k	<i>Parasaurolophus walkeri</i>	†Hadrosauridae	A
N/A	300k	<i>Ceratops horridus</i>	†Ceratopsidae	A
N/A	300k	<i>Tyrannosaurus rex</i> (w/ old Darwin portrait)	†Tyrannosauridae	B
		Human evolution sequence	Hominidae	B
N/A	SS 1200k	<i>Stegosaurus stenops</i> (w/ old Darwin portrait)	†Stegosauridae	A
	Margin	UL: <i>Ceratops horridus</i>	†Ceratopsidae	Z
		LL: <i>Parasaurolophus walker</i>	†Hadrosauridae	Z
		Bot: <i>Tyrannosaurus rex</i> (skull)	†Tyrannosauridae	Z

## CENTRAL AFRICA

**2019 June 20** (Prehistoric Water Animals)<sup>[1]</sup> (MS/4 & SS/1)

a	900fr	<i>Pistosaurus longaeus</i>	†Pistosauridae	A
b	900fr	<i>Kronosaurus queenslandicus</i>	†Pliosauridae	A
c	900fr	<i>Plesiosaurus dolichodeirus</i>	†Plesiosauridae	B
		<i>Liopleurodon ferox</i>	†Pliosauridae	B
d	900fr	<i>Cymbospondylus natans</i>	Order: †Ichthyosauria	A
N/A	SS 3600fr	<i>Archelon ischyros</i>	†Protostegidae	A
	Margin	L: <i>Geosaurus giganteus</i>	†Metriorhynchidae	Z
		UR: U/I marine species		U Z
		LR: U/I marine species		U Z

**2019 June 20** (Shells & Fossils)<sup>[1]</sup> (MS/4 & SS/1)

a	850fr	Ammonites (fossilized group in stone)	Subclass: †Ammonoidea	A
c	850fr	Ammonite	Subclass: †Ammonoidea	A
d	850fr	Trilobite, <i>Elrathia kingii</i>	†Alokistocaridae	A
N/A	SS 3300fr	Trilobite <i>Walliserops trifurcatus</i>	†Acastidae	A

<b>CENTRAL AFRICA</b>		<b>2019 June 20</b> (210th anniv. Charles Darwin) <sup>[1]</sup> (MS/4 & SS/1)		
a	900fr	<i>Deinonychus antirrhopus</i> (w/ young Darwin portrait)	†Dromaeosauridae	B
b	900fr	<i>Tyrannosaurus rex</i> (w/ Darwin statue)	†Tyrannosauridae	B
c	900fr	† <i>Homo neanderthalensis</i> (skull) (w/ HMS <i>Beagle</i> )	Hominidae	B
d	900fr	<i>Camarasaurus supremus</i> (w/ old Darwin portrait)	†Camarasauridae	B
N/A	SS 3600fr	Charles Darwin portrait		R
	Margin	UR: HMS <i>Beagle</i> ( <i>The Voyage of the Beagle 1831–1836</i> )		R Z
		LR: <i>Camarasaurus supremus</i>	†Camarasauridae	Z
		Bot: <i>Deinonychus antirrhopus</i>	†Dromaeosauridae	Z
<b>DJIBOUTI</b>		<b>2019 March 14</b> (Prehistoric Water Animals) <sup>[1]</sup> (MS/4 & SS/1)		
a	250fr	<i>Nothosaurus mirabilis</i> (triangular)	†Nothosauridae	A
b	250fr	<i>Carcharocles megalodon</i>	†Otodontidae	A
c	250fr	<i>Mosasaurus hoffmanni</i>	†Mosasauridae	A
d	250fr	<i>Plesiosaurus dolichodeirus</i>	†Plesiosauridae	A
N/A	SS 1000fr	<i>Geosaurus giganteus</i> (triangular)	†Metriorhynchidae	A
	Margin	UL & Bot: <i>Liopleurodon ferox</i>	†Pliosauridae	Z
		UR & Ctr: <i>Elasmosaurus platyurus</i>	†Elasmosauridae	Z
		LL & LR: <i>Stenopterygius quadriscissus</i>	†Stenopterygiidae	Z
		<b>2019 June 12</b> (Dinosaurs) <sup>[1]</sup> (MS/4 & SS/1)		
a	250fr	<i>Beipiaosaurus inexpectus</i>	Superfamily: †Therizinosauroidea	A
b	250fr	<i>Caudipteryx dongi</i>	†Caudipteridae	A
c	250fr	<i>Archaeoceratops oshimai</i>	†Archaeoceratopsidae	A
d	250fr	<i>Rubeosaurus ovatus</i>	†Ceratopsidae	A
N/A	SS 1000fr	<i>Brachylophosaurus canadensis</i>	†Hadrosauridae	A
	Margin	Bot: <i>Rubeosaurus ovatus</i>	†Ceratopsidae	Z
<b>GUINEA-BISSAU</b>		<b>2019 May 21</b> (Flora & Fauna: Dinosaurs) <sup>[1]</sup> (MS/4 & SS/1)		
a	800fr	<i>Citipati osmolskiae</i>	†Oviraptoridae	A
b	800fr	<i>Mapusaurus roseae</i>	†Carcharodontosauridae	A
c	800fr	<i>Spinosaurus aegyptiacus</i>	†Spinosauridae	A
d	800fr	<i>Coahuilaceratops magnacuerna</i>	†Ceratopsidae	A
	Margin	UR: <i>Mapusaurus roseae</i>	†Carcharodontosauridae	Z
		UR: <i>Tyrannosaurus rex</i>	†Tyrannosauridae	Z
N/A	SS 3300fr	<i>Lambeosaurus lambei</i>	†Hadrosauridae	A
	Margin	UR: <i>Coahuilaceratops magnacuerna</i>	†Ceratopsidae	Z
		LL: <i>Spinosaurus aegyptiacus</i>	†Spinosauridae	Z
		LR: <i>Tyrannosaurus rex</i>	†Tyrannosauridae	Z
<b>MALDIVES</b>		<b>2019 April 30</b> (Dinosaurs) <sup>[1]</sup> (MS/4 & SS/1)		
a	20r	<i>Scipionyx samniticus</i>	†Compsognathidae	A
b	20r	<i>Pachycephalosaurus wyomingensis</i>	†Pachycephalosauridae	A
c	20r	<i>Maiasaura peeblesorum</i>	†Hadrosauridae	A
d	20r	<i>Nipponosaurus sachalinensis</i>	†Hadrosauridae	A
	Margin	LR: <i>Stegosaurus stenops</i> (skeleton)	†Stegosauridae	Z
N/A	SS 60r	<i>Fukuiraptor kitadaniensis</i>	Clade: †Megaraptora	A
	Margin	LL: <i>Tyrannosaurus rex</i>	†Tyrannosauridae	Z
		<b>2019 April 30</b> (Extinct Species) <sup>[1]</sup> (MS/4 & SS/1)		
a	20r	† <i>Glyptodon clavipes</i>	Chlamyphoridae	A
b	20r	† <i>Castoroides ohioensis</i>	Castoridae	A
c	20r	<i>Megaladapis edwardsi</i>	†Megaladapidae	A
d	20r	<i>Entelodon magnus</i>	†Entelodontidae	A
	Margin	UR: <i>Megacerops coloradensis</i>	†Brontotheriidae	Z

**MALDIVES** (continued)

N/A	SS 60r	<i>Palorchestes azael</i>	†Palorchestidae	A
	Margin	Ctr: Giant Ground Sloth, <i>Megatherium americanum</i>	†Megatheriidae	Z
		R: <i>Arsinoitherium zitteli</i>	†Arsinoitheriidae	Z

**2019 June 01** (Prehistoric Water Animals)<sup>[1]</sup> (MS/4 & SS/1)

a	20r	<i>Dunkleosteus terrelli</i> (Cap: <i>Dinichthys terrelli</i> )	†Dunkleosteidae	A
b	20r	<i>Mosasaurus hoffmanni</i>	†Mosasauridae	A
c	20r	<i>Mosasaurus hoffmanni</i> (chasing prey)	†Mosasauridae	A
d	20r	<i>Carcharocles megalodon</i>	†Otodontidae	A
N/A	SS 60r	L: <i>Pteranodon longiceps</i>	†Pteranodontidae	B
		R: <i>Mosasaurus hoffmanni</i>	†Mosasauridae	B
	Margin	LL & UR: <i>Plesiosaurus dolichodeirus</i>	†Plesiosauridae	Z

**MOZAMBIQUE****2019 June 10** (Dinosaurs)<sup>[1]</sup> (MS/4 & SS/1)

a	116m	<i>Monolophosaurus jiangi</i>	Order: †Saurischia	A
b	116m	<i>Quetzalcoatlus northropi</i>	†Azhdarchidae	A
c	116m	<i>Spinosaurus aegyptiacus</i>	†Spinosauridae	A
d	116m	<i>Parasaurolophus walkeri</i>	†Hadrosauridae	A
N/A	SS 300m	<i>Mosasaurus hoffmanni</i> (not dinosaur)	†Mosasauridae	A
	Margin	UR: <i>Spinosaurus aegyptiacus</i>	†Spinosauridae	Z
		LR: West Indian Ocean Coelacanth, <i>Latimeria chalumnae</i>	Latimeriidae	Z

**NIGER****2019 June 26** (Dinosaurs)<sup>[1]</sup> (MS/4 & SS/1)

a	800fr	<i>Dimetrodon limbatus</i>	†Sphenacodontidae	A
b	800fr	<i>Tyrannosaurus rex</i>	†Tyrannosauridae	A
c	800fr	<i>Albertaceratops nesmoi</i>	†Ceratopsidae	A
d	800fr	<i>Spinosaurus aegyptiacus</i>	†Spinosauridae	A
N/A	SS 3300fr	<i>Ceratosaurus nasicornis</i>	†Ceratosauridae	A
	Margin	UR: <i>Tyrannosaurus rex</i>	†Tyrannosauridae	Z
		Bot: <i>Dimetrodon limbatus</i>	†Sphenacodontidae	Z

**2019 July 12** (African Union Conference Niger 2019) (MS/12)

g	1000fr	U/I dinosaur skeleton (in Diiori Hamani Airport terminal)		U B
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**ST. THOMAS & PRINCE IS.****2019 June 6** (Dinosaurs)<sup>[1]</sup> (MS/4 & SS/1)

a	31d	<i>Masiakasaurus knopfleri</i>	†Noosauridae	A
b	31d	<i>Dilophosaurus wetherilli</i>	†Dilophosauridae	A
c	31d	<i>Ouranosaurus nigeriensis</i>	Clade: †Hadrosauriformes	A
d	31d	<i>Kelenken guillermoi</i>	†Phorusrhacidae	A
N/A	SS 124d	<i>Styracosaurus ovatus</i>	†Ceratopsidae	A
	Margin	L: <i>Dilophosaurus wetherilli</i>	†Dilophosauridae	Z
		LR: <i>Masiakasaurus knopfleri</i>	†Noosauridae	Z
		LR: <i>Ouranosaurus nigeriensis</i>	Clade: †Hadrosauriformes	Z

**SIERRA LEONE****2019 March 28** (Dinosaurs)<sup>[1]</sup> (MS/4 & SS/1)

a	12500le	<i>Quetzalcoatlus northropi</i>	†Azhdarchidae	A
b	12500le	<i>Preondactylus buffarinii</i>	Clade: †Preondactylia	A
c	12500le	<i>Pachycephalosaurus wyomingensis</i>	†Pachycephalosauridae	A
d	12500le	<i>Gigantoraptor erlianensis</i>	†Caenagnathidae	A
N/A	SS 50000le	<i>Edmontosaurus regalis</i>	†Hadrosauridae	A
	Margin	UR: <i>Preondactylus buffarinii</i>	Clade: †Preondactylia	Z
		LR: <i>Quetzalcoatlus northropi</i>	†Azhdarchidae	Z

<b>SIERRA LEONE</b> (continued)		<b>2019 May 30</b> (210th anniv. Charles Darwin) <sup>[1]</sup> (MS/4 & SS/1)		
a	12500le	<i>Alamosaurus sanjuanensis</i>	†Saltosauridae	A
b	12500le	Charles Darwin (w/ books)		R
c	12500le	† <i>Ardipithecus kadabba</i> (head) (w/ Darwin portrait)	Hominidae	B
d	12500le	<i>Taniwhasaurus oweni</i>	†Mosasauridae	B
N/A	SS 50000le	Human evolution sequence (w/ Darwin portrait)	Hominidae	B
	Margin	MR: † <i>Ardipithecus kadabba</i> (head)	Hominidae	Z
		LR: <i>Taniwhasaurus oweni</i>	†Mosasauridae	Z
<b>SPAIN</b>		<b>2019 May 2</b> (Tourism) (12 Months 12 Stamps: La Rioja)		
N/A	(60c)	U/I Dinosaur footprints		C

The “A” rate is the domestic letter rate. La Rioja is a province in northern Spain. More than 120 million years ago, dinosaurs lived near the village of Enciso, which has a paleontology museum. They lived in a unique enclave, in the ancient Tethys Sea, where they left their footprints.



**Other Stamps to Consider**

<b>HUNGARY</b>		<b>2019 June 3</b> (150th anniv. Hungarian Royal Geological Institute)		
N/A	235fo	Geological Institute lobby		R

The Hungarian Royal Geological Institute was the first state center for geological research in Hungary, whose foundation was approved by the Emperor Franz Joseph. During the 150 years of its existence, the institute has undergone numerous transformations and currently it operates under the name of the Mining and Geological Survey of Hungary. The first day cover shows paleontological finds: ammonite and sand dollar



<b>UKRAINE</b>		<b>2019 June 3</b> (Mezyn National Nature Park) (MS/5)		
N/A	8h	MS/5 (a–e) Various flora & fauna		R

**Commemorative Postmarks**

**UKRAINE** **2019 June 3** (Mezyn National Nature Park)  
 A Mammoth is shown on the official FDC and commemorative postmarks were available in two places (Kyiv and Korop).



The park's area is more than 30,000 hectares covered with many lakes. In Sverdlovka village, there is a nature museum that informs of the park's territory, including its climatic, geographic, and other features. It also exhibits collections of insects, mosses, and geological materials.

Beside the unique natural complexes and objects, the park boasts about 50 archaeological monuments. The most noted is Mezyn Paleolithic Site that existed almost 20,000 years ago. It was the dwelling for hunters of mammoths, which they built from the bones of animals covered with their hides. The most valuable artifacts from the site were ancient works of art—ornamented figurines from mammoth ivory, meander bracelet, and a painted set of musical instruments made of animal bones.



Now there is the Mezyn Archaeological and Research Museum on the ancient site. The exposition covers the entire period from the Paleolithic to the present times. Different eras and cultures are represented by archaeological, architectural, and historical monuments in the villages of Buzhanka, Kurylivka, Sverdlovka, Radychiv, and others.

### Future Issues

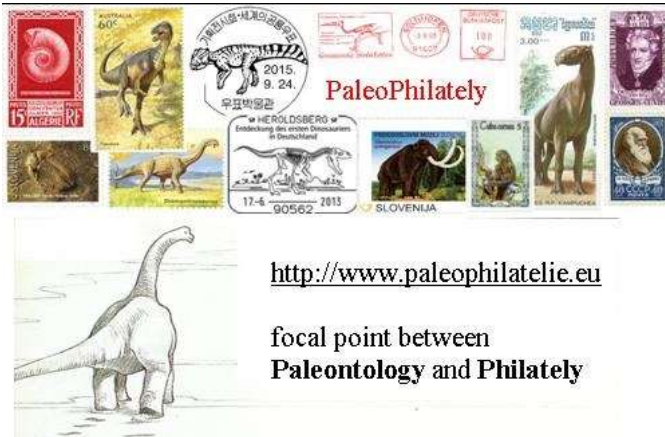
- 2019.08.29: **United States:** (initially scheduled for June 28) *Tyrannosaurus rex*. On 12 March 2019, the U.S. Postal Service revealed additional stamps for 2019. One of the extra stamp sets is the set of four *Tyrannosaurus rex* stamps to be issued in Washington, DC:  
 “With this pane of 16 stamps, the Postal Service brings *Tyrannosaurus rex* to life—some 66 million years after its demise. One design illustrates a face-to-face encounter with a *T. rex* approaching through a forest clearing; another shows the same young adult *T. rex* with a young Triceratops—both dinosaurs shown in fossil form. The third and fourth stamps depict a newly hatched *T. rex* covered with downy feathers and a bare-skinned juvenile *T. rex* chasing a primitive mammal. The “Nation’s *T. rex*,” the young adult depicted on two of the stamps, was discovered on federal land in Montana and is one of the most studied and important specimens ever found. Its remains will soon be on display at the Smithsonian Institution’s National Museum of Natural History in Washington, DC. Art director Greg Breeding designed the stamps with original artwork by Julius T. Csotonyi, a scientist and paleoartist.”
- 2019.09.05: **Germany:** 250th anniversary of Alexander von Humboldt, the 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.
- 2019.10.11: **Michel Stamp Catalog:** *Dinos – Whole World*, 1st edition. Stamps with prehistoric animals from all over the world. Planned for 5 March 2019, but delayed. Clear design and modern layout due to our innovative production process. Approximately 2,500 color illustrations and about 20,000 price quotations. New issues up to MICHEL *Rundschau 1/2019* have been catalogued in this edition. Pages: approx. 328. Format: Paperback. Language: German.
- 2019.10.20: **Netherlands:** Personalized stamp of *Mosasaurus hoffmanni*, will be issued in MS/10 for “Philatelic Day (*Filatelistendag*)” in Limburgse.
- 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 extensive 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*), 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




**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

## 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 that 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 selva
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		