

BIOPHILATELY

OFFICIAL JOURNAL OF THE BIOLOGY UNIT OF ATA

JUNE 2018

VOLUME 67, NUMBER 2

Look Mom! Eight Legs!



Jack Congrove
Stamp Stories

More Inside >>



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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 August 2018.

FROM THE EDITOR'S DESK

Regrettably this issue contains some sad news. Jerry Husak, the founder of the American Topical Association, recently passed away. In addition, two of the longest serving Biology Unit members and former Unit Directors, Dr. Beverly Ridgely and Dr. Kenneth Pruess, have also passed on. You will find their stories following the Secretary-Treasurer's column.

This edition has the full complement of the established New Issues columns for the first time in a while. However, I am still looking for someone to take on the task of preparing a Microbiology column. We have neglected this major branch of biology for too long.

I wish this edition included more articles, but there is not much in my inbox. I have filled in with several announcements about new issues. Please take a look at your collection and write a page about one of your favorite items for me to include in a future edition.

I am also interested in publishing information and reports about shows and exhibits with a biological theme.

Also, note that we have no new members to report for this quarter. Now I know that a very large portion of topical collectors are interested in and collect some sort of biological topic. Check with your fellow club members and others attending your local shows and recruit them for the Unit. There are many advantages for them in becoming a member including not only the articles and new issues listings in this journal, but also access to other information on our website.

Another advantage of membership is exchanging information, ideas, and stories with like-minded collectors. In that regard, the Unit will be holding its annual meeting at the joint ATA-APS StampShow in Columbus, Ohio, 9-12 August 2018. See page 91 for more information. This show will be the biggest in the country this year and will have by far the largest quantity of dealers and exhibits. In addition, there are many terrific events and presentations. If you have not already, make plans to attend and enjoy this show. See <https://stamps.org/STAMPSHOW-SS> for more details and to register for the show.

If you look at the bottom of the inside cover, you will see that one of the main purposes of this journal is to provide listings of biological stamp issues "identified and classified to the best of our ability." I noted while editing the lists in this edition that there are many entries tagged "U/I" (unidentified). In some cases, the depiction may be so small or distorted that identification is impossible. But in many other instances, there is a clear, unambiguous image that neither I nor our associate editors are able to recognize. Many of you are experts in your topic and have libraries with extensive references that can help with these identifications. That "U/I" code is an indicator that we want your help with figuring out just what the image represents. It might be a species that has never been depicted previously on a stamp and can become a candidate for entry in the ATA's newest handbook *What's First?*. Contact the associate editor to provide your identifications, and thanks for your help.

Jack R. Congrove



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Please see the Biology Unit website (www.biophilately.org) for membership applications. Several payment options are available. Send applications and payments payable to the Biology Unit of ATA to:
Chris Dahle, 1401 Linmar Drive NE, Cedar Rapids, IA 52402

PRESIDENT'S MESSAGE

As I write this, I am listening to the birds sing and watching them find mates or build nests. The flowers are blooming, trees are leafing out. The geese are stopping traffic as they direct the little goslings across the street. Just waiting for the humming birds to arrive. Spring is here at last. The dogs and cats spend time outside now in the sun, no longer bored inside. Stamp shows are now in full swing as well. No more worry of snow storms to keep you away.

StampShow/NTSS is fast approaching. I hope you are planning to attend at least part of the weekend. Come support the Biology Unit and the ATA by helping out at the ATA booth. Our meeting will be 10AM on Saturday the 11th of August. Come and let us know how the study unit is doing.

The theme this year will be DRAGONS! Thursday morning will be a first day ceremony for four new dragon stamps. Although not real (or are they?), they have the attributes of real animals, mostly reptilian. Perhaps dragons are descendants of dinosaurs, or an early branch of reptiles. They were found in the sea, hidden in mountains, or flying through the air.

European dragons tended to be evil, while Oriental dragons were good. In China and Japan, they symbolized good fortune, and were Gods who cared for the people that worshipped them. We will certainly have fun with this theme.

Laurie J. Ryan



DRAGON STAMPS NEW ISSUE

The US Postal Service plans to release a set of four colorful stamps depicting dragons at the joint ATA-APS Stamp Show in Columbus, Ohio. The show runs 9–12 August 2018. The formal First Day ceremony is scheduled for Thursday, 9 August, at 12:00 PM. Each self-adhesive stamp bears the “Forever” rate denomination, which currently is 50 cents.

The stamps will be issued in panes of 16 showcasing four different designs. a green fire-breathing dragon towering over a medieval-inspired castle; a purple dragon with orange wings and sharp black armor on its back snaking around a white castle that evokes Camelot; a black dragon with green wings and green armor on its back swooping past a ship on the sea; and a wingless orange dragon weaving its way around a pagoda.



The stamps feature digital illustrations created by artist Don Clark of Invisible Creature studio. Art director Greg Breeding designed the stamps.

These designs are sure to be popular with cachet makers and collectors. The joint show will feature other dragon-themed aspects. The ATA is preparing a special Dragon topical checklist, which will be offered for sale to all show attendees. “We’re thrilled to have USPS unveil these great stamps with us in Columbus,” said Scott English, APS executive director. “There will be something for the whole family highlighting this cool theme. No experience necessary, so we hope you will join us!”

SECRETARY-TREASURER'S CORNER

NEW MEMBERS

No new members to report this quarter. The Biology topic is immensely popular. It is likely that someone in your local club is a collector of something related to zoology or botany. **Sign them up.**

BIOLOGY UNIT MEETING

The Biology Unit will hold its annual meeting at the joint American Topical Association (ATA)-American Philatelic Society (APS) StampShow in Columbus, Ohio, from 10:00–11:00 AM on Saturday, 11 August 2018. Ordinarily this is a social meeting and we do not discuss detailed business matters. The joint show, which will be the largest in the United States this year, runs 9–12 August 2018, at the Crowne Plaza-Downtown Hotel.

The overall theme of this show will focus on Dragons. See the previous page for a story about a new stamp release on this topic that will take place at the show. The ATA will also hold its annual board meetings and Annual General Meeting at the show. The Biology Unit will display a special one-frame exhibit with pages from our members showing humorous views of “What [their topic] Does in Its Spare Time.”

NTSS SCHEDULE

In addition to our own annual Unit meeting, the joint ATA-APS StampShow in Columbus, Ohio, will offer several events that should be of interest to members of the Biology Unit. The ATA will conduct ATA Ambassador training sessions on Thursday, Friday, and Saturday from 9:00–10:00 AM each day. The Ambassadors represent the ATA at local, regional, and national shows around the country. Contact the ATA office (americantopical@msn.com) to reserve a spot.

The joint show will feature 1,000 frames of philatelic exhibits including those competing for the Champion of Champions award. There are also three dozen entries in the philatelic literature competition including our own *Biophilately* unit journal. There will be 125 dealers, three cachet makers, and more than 50 societies, clubs, and study units in attendance.

The ATA will have a huge prominent booth. Eight study units, including the Biology Unit, are contributing sponsorships for this booth. In addition, four study units will have individual booths of their own at the show. Twelve study units will be holding meetings. Harmer-Schau will hold a live philatelic auction at the show.

The ATA will hold its Annual General Meeting on Friday, 10 August, from 1:00–2:30 PM. This meeting will include discussion of upcoming important policy changes.

Also on Friday from 11:00 AM to 12:00 PM, our Unit President, Laurie J. Ryan, will present “JRR Tolkien, the Hobbit, and Dragons.” On Thursday from 3:00 to 4:00 PM, ATA member Jeff Lough will present “Here Be Dragons!”

Jack André Denys, past-President of the ATA, will present “A Basic Guide to Looking at Thematic Exhibits” on Friday from 3:00–4:00 PM.

The ATA will premiere its newest handbook, *What's First?*, which describes each stamp that was the first to show a particular topic or celebrate a particular event.

The Penguins on Stamps Study Unit will hold their annual meeting on Friday from 3:00–5:00 PM. Marci Jarvis will present “Cats of Stamps from A–Z” on Saturday from 1:00–2:30 PM. The Gastronomy on Stamps Study Unit will hold its meeting on Saturday from 2:00–3:00 PM.

The ATA President's Reception will take place at Schmidt's Sausage House on Friday starting at 7:15 PM. Contact the ATA office (see above) for reservations, which are required.

The ATA is sponsoring an all-day tour on Monday, 13 August, following the show. Details are still being finalized.

CLOSED ALBUM

IN MEMORIAM: DR. BEVERLY S. RIDGELY (BU61/LM61)

Dr. Beverly Sellman Ridgely, our longest serving Unit member, succumbed to old age on 25 October 2017, in Providence, Rhode Island. He was 96 year old, lucid to the end, and surrounded by his three children and their families.

He was born on 16 December 1920, in Baltimore, Maryland, where he excelled at lacrosse at the Gilman School. He graduated Phi Beta Kappa from Princeton University in 1943. Having attended Naval ROTC, he was commissioned as an ensign in the US Navy. During WWII, he served aboard the destroyer escort USS *Manlove* in the Pacific Theater, and later as an instructor at the Naval Training Station in Miami, Florida.

On 20 May 1944, he married Barbara Tomkins. They remained together for almost 70 years until her death in 2013.

After the war, he received one of the first Woodrow Wilson fellowships ever awarded and used it for graduate studies in the French and Classics Department at Princeton, receiving his Ph.D. in 1953. He immediately began instructing in the French Department at Brown University, becoming a tenured professor and remaining there for his entire professional career. He was a devoted supporter and faculty advisor to several Brown University sports teams.

To the surprise of many, he decided in 1980 to retire early in order to pursue avocations that interested him, one of which was philately. He became the foremost expert on bird stamps. He served as a Director of the Biology Unit between 1962 and 1966, and as a contributing editor of Ornithology listings for *Biophilately*, as well as authoring dozens of articles for the journal.

His interest in birds also led to travelling the world to check off more than 3,000 species from his life list, often with his wife in tow, and on special occasions with his son Robert, who became a professional ornithologist. In his later years, he worked with conservation organizations.

He is survived by his three children: Robert (Peg) Ridgely, Virginia Howe, and Peter (Debrah) Ridgely; six grandchildren, and seven great grandchildren.

[Ed. note: In the early years of the Biology Unit, many members were from academia. Our Secretary then was Dr. Willard F. Stanley, a biology professor at the State University of New York (Fredonia). He told a humorous story once about the name confusion involving Dr. Ridgely and another Unit member who was also a professor, Dr. Claude Weber from Switzerland. People who did not know them assumed that Beverly was a woman and Claude was a man, but the opposite was the case.]

BONES

I came across this timeless observation in the PIPEX 2000 show program: It has been said that the membership of any organization is made up of four sets of bones:

- There are the **wishbones**, who spend all their time wishing someone else would do the work.
- Along with them are the **jawbones**, who do all the talking about the work and very little else.
- Another group is the **knucklebones**, who knock everything that anybody else tries to do.
- But the most valuable are the **backbones**, who get under the load and actually do the work.

Take a look at yourself and determine which bone you are.

CLOSED ALBUM**IN MEMORIAM: DR. KENNETH P. PRUESS (BU349)**

Dr. Kenneth P. Pruess, age 84, of Lincoln, Nebraska, died 11 December 2016. Kenneth was Professor of Entomology Emeritus at the University of Nebraska-Lincoln. He was born 21 June 1932 in Troy, Indiana, to Elmer and Clara (Grass) Pruess.

He graduated from Purdue University in 1954, and earned his M.S. in Entomology in 1955 and Ph.D. in 1957, both from The Ohio State University. His dissertation was titled, "Studies on the Clover Root Borer, *Hylastinus obscurus* (Marsham)."

He married Neva Currie on 15 June 1963. He worked at the University of Nebraska's North Platte Experiment Station from 1957–65, Entomology Department at UNL from 1965–97, and was Entomology Department UNL Emeritus from 1997 until the time of his death, continuing his research until 8 December 2016.

Throughout his career he conducted and published research on a wide variety of topics. He taught several undergraduate and graduate level courses and was active in graduate training, advising eight Ph.D. and nine M.S. students during his career. He was a quite popular teacher and combined classroom instruction with extensive field work.

He was a 60-year member of the Entomological Society of America and also a member of the Lincoln Stamp Club, American Philatelic Society, and the American Topical Association. Among his many interests were duck hunting, fishing, bowling, stamp collecting, and playing cards.

He served as Director of the Biology Unit from 1964–66 and 1972–85. He was Unit Vice President from 1985–89., and wrote several articles published in *Biophilately*.

He is survived by his wife Neva, their daughter Carleen (Ken) Coulter, his sister Ruth (Don) Johnson, and numerous nieces and nephews. He was preceded in death by his son, Cameron, and his parents.

[Ed. note: Thanks to Roberta Glatz (BU503) for forwarding Dr. Pruess's obituary by Professor Robert Wright, which appeared in *American Entomologist*, Volume 63, Number 4.]

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ATA FOUNDER

IN MEMORIAM: JEROME D. HUSAK (1932–2018)

Jerome D. Husak, founder of the American Topical Association (ATA), the second largest philatelic organization in the US, died on 22 February 2018. He was 86.

Jerry was a teenager in Milwaukee in 1949, when he conceived of the idea of a society for topical collectors. He later wrote, “There must be others like myself,” I mused, “who are looking for guidance in forming a topical collection. Why don’t we get together and share our information through a united body of topical collectors?”

Thus, the ATA was born, literally, in Jerry’s bedroom, which became its first office. “Who knows,” he thought, “perhaps through the formation of the ATA, as many as 200 topical collectors might come together for mutual aid and exchange of information, ideas and stamps.” Within five months of its founding, the ATA had 408 members. In its 68 years, it has had almost 60,000 members from almost 100 countries. The ATA is the largest topical/thematic association in the world.

In his history of the ATA, Jerry wrote “The early days were not easy. Many people had to be convinced that topicals deserve a place in philately.” When the ATA affiliated with the American Philatelic Society in 1987, it became its largest affiliate. The Thematic Award at the APS StampShow is named for Jerry.

Jerry was ATA member #1 and the first recipient of the ATA’s Distinguished Topical Philatelist award for service to topical philately in general and to the American Topical Association in particular. He collected the topics Americana, Universal Postal Union, and Stamps-on-Stamps.

Jerry earned both Bachelor’s and Master’s degrees in Business Administration. He worked full time for the ATA, as editor of its journal, *Topical Time*, until 1977, and as executive secretary until 1984. When Jerry retired from the association’s board of directors in 2008, he was given the honorary title of director emeritus. In 2012, the ATA board designated May 25 as an “annual National Topical Stamp Collecting Day, promoting topical stamp collecting as a vital dimension of the future of philately and honoring topical philately visionary and ATA founder Jerry Husak on his birthday.”

Jerry died in Sun City West, Arizona, where he lived since moving there from Milwaukee in 1984. He is survived by his wife of 60 years, Sally, who was a tremendous support in his ATA endeavors. Despite failing health, Jerry and Sally attended the ATA National Topical Stamp Show, in Milwaukee in 2011, the last one they attended. Up till then, they had only missed two of the organization’s 61 annual shows.

ATA past president, Jack André Denys, recalled Jerry’s thoughtfulness. “At my first board meeting in 1986, Jerry gave me a large poster, depicting the complex development of Great Britain’s 1966 Battle of Hastings stamps, the first ever to be printed in nine colors. I didn’t even think he knew me,” Jack said, “But he even knew my primary topical interest. That poster now hangs above the computer in my stamp den.”

Contributions in memory of Jerry Husak may be made to the ATA, P.O. Box 8, Carterville, IL 62918.



BIOLUMINESCENT LIFE IDENTIFICATION

In the last edition (*Biophilately* Vol. 67, No. 1), we announced the issue of a pane of 20 stamps depicting subjects that display bioluminescence. Because none of the species were identified on the stamp, we tried to determine the identities. One stamp showed fungi based on a photograph by Taylor F. Lockwood. Lockwood has identified his subject as *Mycena lucentipes*. The *Mycena* genus contains about 500 identified species. At least 33 of these are known to be bioluminescent.

HAPPY MEMORIES: PART 2

Alan Hanks, President Emeritus, BU698

[*Ed. note: The first part of this column appeared in Volume 66, No. 4, p.259.*]

One way of accumulating material is to join a local stamp club and you can usually find out if there is one by asking a stamp dealer (if you have one nearby), or at the town office. I managed to find a club out of a list of several in the Toronto area. It was called the North Toronto Stamp Club and had periodic meetings at the Dewi Sant United Church.

My first meeting had an odd twist in that the collector sitting next to me asked what I collected. I told him that I collected "Topicals" and he turned his back as though I was some sort of alien being (apparently not uncommon in the early days of "Topicals").

I told this story to a recent club meeting following our annual show and it produced much laughter! Recently, the club was putting on the annual show in conjunction with a coin club that operates in Toronto and I was invited to put my seven-frame Rhodesia exhibit in the "Court of Honor," non-competitively of course.

A friend drove me to the show location as he was on the show committee and the frames were already being erected. When it came to putting up my pages, I found that these frames were taller than those I was familiar with and made an annoying discovery. I could not now reach as high as the top row, old age having advanced further than I thought. However, I managed by dropping my pages into the lower plastic strip and then pushing the page up in to the upper strip.

It was a very good show for a local stamp club and the judges had a tough assignment. A couple of weeks later, the crew got together for dinner before the post-exhibition club meeting, during which awards were handed out.

One thing has become apparent to me living here in Ontario and that is that a large percentage of collectors are only interested in Canada, although some collect other countries that were in the Commonwealth. There is quite a large number that collect Canadian revenues and a much smaller number collect "Thematics."

Probably, an analysis of collectors in the U.S. would produce a similar picture. Many of the thematic exhibits that I see in shows are of an advance level, probably because judges at the shows always emphasize the inclusion of as many variations on the theme that the exhibitor can assemble and the skill shown in tying all the elements together.

NEWS OF NOTE

TOPICAL EXHIBITING SEMINAR

The American Topical Association (ATA) will offer a seminar on Competitive Thematic Exhibiting as an On-the-Road course at the joint NTSS-APS StampShow in Columbus, Ohio. It will be taught by Phil Stager, an award-winning thematic exhibitor, judge, and member of the Committee on Accreditation of National Exhibitions and Judges (CANEJ). Unit member and award-winning exhibitor Dawn Hamman says, "I took it at Sarasota. It was the best exhibiting class I have attended."

The cost will be \$25 for APS members and \$95 for non-members. The fee for APS members is being subsidized. Course time is Thursday, 9 August, from 9 AM–6 PM. Location is the Greater Columbus Convention Center. You can register at the APS website (<http://stamps.org/on-the-Road-Courses>). Participants will receive a thumb drive in advance with files that they should review before attending the course. The registration deadline is 27 July 2018.

EDMONTON NATIONAL SHOW

The Edmonton Stamp Club sponsored their annual national stamp exhibition on 24–25 March 2018, at the Lion's Recreational Centre in Edmonton, Alberta. The show organizers are to be commended for their successful effort to obtain youth and topical exhibits.

The exhibition was divided into National and Regional sections. The National section had 14 multi-frame, seven single frame, and two youth exhibits. The Regional section had three adult and two youth exhibits.

Kevin O'Reilly received a Large Gold award and Grand Award and Best British North America Exhibit awards for "A Postal History of Labrador Before Confederation." Joel Weiner received a Large Gold award and the Reserve Grand Award for "Cancellations used by the Allied Forces in Palestine during World War I 1917–1920."

Amelia Kelbert received a Gold award, the Best Youth exhibit, the American Association of Philatelic Exhibitors (AAPE) Youth Award, and the ATA Youth Award for "The World of the Monarch Butterfly." This was just one of many exhibits that featured biological topics.

Sam Chiu received a Gold award and the ATA First Award for "Frog and Toads, Their Relevance to Humans." Jan Brookes won Gold and the Women Exhibitors Sterling Achievement Award for "The Evolution of the World Wildlife Fund Logo." Donna Trathen received Gold for "Horses: Origin, Breeds, and Roles." Alex Liusz Moser received a Large Vermeil and the ATA Youth Second award for "Time of Dinosaurs."

Ella Liusz Moser received a Large Vermeil in the Regional Youth section and an AAPE Silver Pin for "Animals All Over the World." Megan McLean won a Vermeil award in the Regional Youth section for "The Platypus."

DISTINGUISHED TOPICAL PHILATELIST

The American Topical Association's highest award, Distinguished Topical Philatelist, is being awarded this year to Cletus Delvaux. A 39-year ATA member, Delvaux is a prolific philatelic writer and editor.

A retired English teacher from Green Bay, Wisconsin, Delvaux has written more than 100 articles for *Topical Time*, *Linn's Stamp News*, and other philatelic publications. His primary topics are journalists, authors, and poets on stamps.

Delvaux has been president of the Journalists, Authors, and Poets on Stamps (JAPOS) Study Unit of ATA since 1993. In 2000, he also assumed the position as editor of the *JAPOS Bulletin*, and he writes extensively for that publication. He is a past president of the Green Bay Philatelic Society and edited its newsletter for 25 years.

The Distinguished Topical Philatelist award will be presented at the Celebration Banquet of APS StampShow-National Topical Stamp Show on 11 August in Columbus, Ohio.

See <http://americantopicalassn.org/awardsdtp.shtml> for further information about the award.



SEAPEX TO CELEBRATE WAC ANNIVERSARY

The Seattle Philatelic Exhibition (SEAPEX), an American Philatelic Society (APS) national-level stamp exhibition, will take place on 14–16 September 2018, at the Tukwila Community Center located just north of the SeaTac Airport at 12424 42nd Avenue South, Tukwila, Washington.

This year SEAPEX is celebrating the 75th anniversary of the Women's Army Corps (WAC). The WAC was created as an auxiliary unit in 1942, and converted as the active duty women's branch of the United States Army on 1 July 1943. About 150,000 American women served in the WAC during World War II. They performed mainly administrative duties in order to release men for combat related positions. The WAC was disbanded and women were integrated into other Army branches in 1978.

The show will host a special ceremony on Saturday honoring all women who have served in US military uniform. A special postmark and illustrated souvenir covers will also be available.

The show will feature 30 stamp dealers and 3,000 pages of competitive exhibits. The American Helvetia Philatelic Society and the United Postal Stationery Society will hold conventions at the show. Visit their website (<http://seapexshow.org>) for exhibit prospectus and application, event schedule, exhibit listing, links to the hotel, and other details.

MID-CITIES STAMP CLUB EXPO TO HAVE “BIRDS” AS A THEME

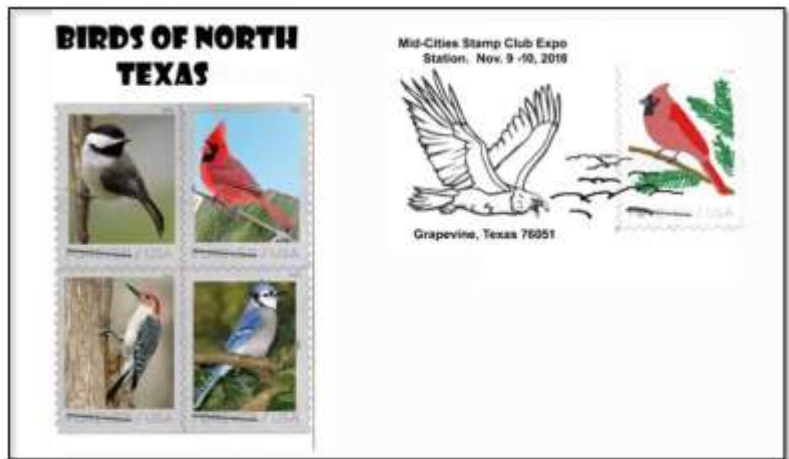
The Mid-Cities Stamp Club of Texas has announced a theme of Birds for their 2018 show on 9–10 November. As a result, the club is seeking exhibits with the topic of birds, for their competition. Frames are a very reasonable \$6 each, whether single frame or multi-frame, and three APS judges will be on hand to give exhibitors a chance to pick up some pointers on their exhibits without a large outlay of money. The club also has \$1 mini-entries of either one or four pages for a cash prize of \$10.

In addition to this special topical competition, the club is asking for the public to enter a single page with one or more photos taken by the exhibitor, to compete for a Most Popular Bird Photo contest. In order to best view photos, it is suggested that only one to three bird photos per page be submitted. There is no entrance fee for this side event.

Attendees to the Expo will be asked to vote for their favorite photo page. The Most Popular page will win an award in the form of a personalized sheet of legitimate U.S. Postage Stamps of the current rate of first class postage. Each stamp will depict the selected bird photo. If the page has two or three bird photos, the photographer will be asked to select the one that he or she would like to have made into these stamps.

Parking and admittance to the show is free. The show will have souvenir envelopes with a bird-related US Postal Service cancel and color cachet available for sale at the Welcome Table. The USPS will be selling the soon-to-be-released block of four stamps depicting four different birds. The show cachet will replicate the new stamps, but with photo images of those same birds in similar positions.

Members of the local Audubon Society will have a table at this annual show that also features 27 dealers, a large silent auction, youth tables, a beginner table, and a mixture pick where piles of stamps are available for only a nickel each.



The show will be held at the Grapevine Convention Center, adjacent to the DFW Airport. The show hours are from 9 AM to 5 PM on Friday, 9 November, followed by a \$25 per plate Awards Dinner, and from 9 AM to 4 PM on Saturday, 10 November. For the stamp widows or widowers, the Grapevine Mills Mall is nearby and features a walk through aquarium, a huge food court, and a multitude of shopping opportunities.

For more information, the show prospectus and entry forms, go to www.mid-cities stampclub.com, or contact Ray E. Cartier at raycartier09@gmail.com.

ATA TO CELEBRATE 70TH ANNIVERSARY IN 2019

Plans are already underway preparing for the celebration of the 70th anniversary of the founding of the American Topical Association. The ATA was founded by Jerry Husak in Milwaukee, Wisconsin, in 1949.

Look for announcements of special events and promotions throughout the year. The main events will take place at the 2019 National Topical Stamp Show. A special announcement will come soon about the dates and location of the show. (I know where it is, but right now I am bound by secrecy and must wait for the official announcement.)

A revised topical collecting handbook is in the works and you may expect to hear about other special publications and souvenirs.

AMERISTAMP EXPO 2018

Jack R. Congrove, BU1424

The American Philatelic Society (APS) held their annual winter stamp show on 23–25 February at the Birmingham-Jefferson Convention Complex in Birmingham, Alabama. This was their 61st winter meeting.

The ASE show is also the venue where the Single Frame Grand Award winners from each of the 31 World Series of Philately (WSP) national shows compete for the APS Single Frame Champion of Champions award.

The show was promoted to have 50 dealers, but I only counted 27 actually present. There were a number of meetings and presentations and there was a large area devoted to Youth and Family activities.

However, the highlight of this show was the exhibits. There were 27 frames competing in the Single Frame Championship, 55 frames competing in the Most Popular Championship, 168 frames in the open competition, and 23 frames in the Court of Honor.

The Court of Honor held some great rarities including a copy of the 24 cent Inverted Jenny stamp, the discovery sheet of the Dag Hammarskjöld inverts, and one of the first free frank letters signed by George Washington after he became President.

Several societies had booths including the American Topical Association. The US Postal Service had a small booth and was doing good business selling recent stamp issues on Friday and Saturday.

The American Mobile Postal Museum, a private organization, had a very interesting display of postal memorabilia.

The winner of the Single Frame Championship was Cheryl R. Ganz with *Zeppelin LZ-129 Hindenburg Onboard Postmarks*. This exhibit included several covers salvaged from the famous Hindenburg crash at Lakehurst, New Jersey, in 1937.

The winner of the Most Popular Championship was Rick Gibson with *The Forest Conservation Issue of 1958*.

The Grand Award winner in the open competition was Robert Mayo with *The Straightlines of Richmond, VA 1782–1800*. This single frame exhibit contained stampless covers showing examples of all of the known Richmond straightline handstamps from the period. It is eligible to compete in the 2019 Champion of Champions event,

Members of the Young Philatelic Leaders Fellowship operated their own booth at the show. The goal of this program is to help young collectors become the philatelic leaders of tomorrow. They pick an area of specialization: Exhibitor, Dealer, Writer, Curator, Designer, etc., and are assigned a mentor to help with their education.

The 2019 winter show will be a joint show with ARIPEX in Mesa, Arizona, on 15–17 February 2019. That will probably be the last winter show put on by the APS as they plan to end them due to financial reasons.



American Mobile Postal Museum



Young Philatelic Leaders Fellows
Grace Rogansky (exhibitor), Darren Corapcioglu (exhibitor), Tasos Kalfas (curator), Dani Leviss (designer)

STAMP STORIES

Jack R. Congrove, BU1424

Jack Webb (1920–1982) was a quadruple threat in Hollywood, achieving success not only as an actor, but also as a writer, producer, and director. In 1957, Webb produced, directed, and starred in *The D.I.*, a movie about a Marine Corps drill instructor and his platoon of recruits at Parris Island, South Carolina.

Webb, as Gunnery Sergeant James Moore, spends a lot of effort trying to make a Marine out of Private Owen. During a 20-mile march, Moore orders the platoon to take cover and “freeze.” While in position, Owen swats and kills a sand flea crawling on his face.



Parris Island postmark 1 July 1923

Moore immediately confronts him, “For the sting of one lousy...flea, you just killed this whole platoon!” When the recruits return exhausted to their barracks, Moore informs them that after chow, they will march back to the position and, “You will find that exact same sand flea and you will bury it.”

That night at the position Moore sets three recruits to work digging a grave. Of course, this grave must be six feet long, three feet wide, and six feet deep and they must use the Marine Corps method, which involves two men in the hole shovelling dirt out and one man above shovelling dirt back in.

Meanwhile the rest of the platoon searches for the carcass of the murdered sand flea. During this search, one of the recruits kills another flea crawling on him and he and his buddies get an idea. “Sergeant, I found it!” he yells out.

Moore comes over, takes the flea, closely inspects it, and then calls out, “Owen, was that a male or a female sand flea that you killed?” From the looks on the faces of Owen and his buddies, they know that no matter what he answers, it will be wrong.

Despite the humor of this scene to an outsider, military training is serious business and drill instructors want to make sure that no one will look back and say, “if only your training program had done its job...”

“Sand flea” bites can also have serious consequences. The term “sand flea” can refer to many species of animals. True sand fleas are actually crustaceans, not insects. They belong to one of more than 50 genera in the family Talitridae. The name “sand flea” for these animals is misleading because they do not bite people. However, having one crawl on your face would certainly be irritating. The animal in this movie appears to be one of these.



“Beach Flea,” Talitridae
Senegal, 1989, Sc#846

Bites attributed to animals called “sand fleas” are usually from insects known as sand flies. This term applies to different species depending on the part of the world where they are found. Sand fly bites may leave large, red itchy bumps that may turn into a rash. These bumps are frequently several times as itchy as mosquito bites, and tend to last longer as well.

Sand flies are distributed world-wide in zones with temperatures above 60°F for at least three months of the year. Most are members of the Phlebotominae subfamily of the family Psychodidae. Genera of this subfamily are the primary vectors of leishmaniasis and pappataci fever. Both diseases are confusingly referred to as sandfly fever.

The genus *Lutzomyia* has nearly 400 species and has the largest distribution range in the U.S. They are found as far north as New Jersey and as far south as Florida. Thirty-three of these species are known to be vectors of disease. This genus is quite old. Some species have been found in 25-million year old fossil amber.

The females have to ingest blood in order for their eggs to develop. The males do not feed on blood.

Leishmaniasis is caused by protozoa of the genus *Leishmania* carried by these insects. Currently, as many as 12 million people may be infected with this disease worldwide.



Insect in amber
Poland, 1993, Sc#3139

The disease commonly presents in cutaneous form, which results in skin lesions. Other forms produce ulcers in the nose and mouth. The most serious form causes fever and severe damage to internal organs.

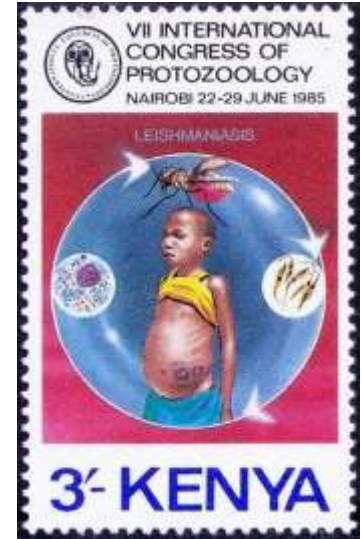
Prevention involves use of netting while sleeping and insect repellent. Because dogs and other animals are susceptible to this disease also, insecticide-impregnated collars are useful. Spraying to kill the insects is also recommended.

Treatment is dependent upon the protozoan species. It typically involves ingestion of antifungal medications such as Amphotericin B. Various topical treatments may be used for the cutaneous form.



Dr. Gaspar Vianna & *Leishmania* Protozoa
50th anniv. Leishmaniasis Cure
Brazil, 1962, Sc#938

Gaspar Vianna (1885–1914) was a Brazilian pathologist and researcher. His most important work was the discovery of the cure for leishmaniasis, which helped save the lives and end the suffering of millions of people worldwide.



Leishmania Lifecycle
Kenya, 1985, Sc#338

ROYAL WEDDING

As I write, the royal wedding of Prince Harry and Meghan Markle has taken place and according to the analysts, it was witnessed by two billion people worldwide. I confess that I was one, although I am usually not interested in weddings even when I personally know those involved. The British certainly know how to put on a spectacle.

I was going to start by stating that these stamps have nothing to do with biology. But if you stop and think about it, they represent everything to do with biology.



The process of courtship and mating is driven by nature and nature has designed males and females to work together.

As psychologist Helen Fisher has observed, no other aspect of human behavior is so complex, subtle, or pervasive as the mating game. The essential choreography of human courtship, love, and marriage seems etched into the human psyche, the product of time, selection, and evolution.

I admire Prince Harry above the other members of Britain's royal family mainly due to his unselfish, and one should say, patriotic, military service to his country. He went to great effort to serve not one, but two combat tours in Afghanistan. He is an expert and apparently natural helicopter pilot.

I know little about his bride, but clearly they are attracted to and love each other. I wish them a long and happy life together.

AMPHIBIANS ON POSTAGE STAMPS HANDBOOK

Dawn Hamman, BU1831

[Ed. note: This article was written for *Topical Time*, the official journal of the American Topical Association (ATA). Dawn Hamman is First Vice President of the ATA. Both she and Dr. Eichler are members of the Biology Unit. The Biology Unit contributed funds to cover one-half of the publication cost of this handbook.]

Over the past 69 years, the ATA has published many handbooks. Among the best is the most recent, the work of Vic Eichler, *Amphibians on Postage Stamps*.

Until I picked up this colorfully-illustrated book, I didn't know I was interested in amphibians! Vic describes the life cycles of amphibians in an interesting way that is easy for a non-technical person to understand. He introduces his readers to fascinating members of the amphibian family, and shows how stamps educate us about these animals. The book includes a checklist of 1,915 amphibian stamps issued by 212 governments. There are useful indexes and a listing of additional resources for those who wish to further explore this topic. The book's final section shows amphibians on stamps that have been produced from photos, cartoons, and even toys that represent frogs.

I was eager to ask Vic about the path that led him to write the book.

Q. Does your interest in amphibians relate to your career, or an outside interest?

A. I earned bachelor's and master's degrees in zoology from the University of Illinois. For my doctorate, I opted to study with a professor who was well-known for his work on the metamorphosis of amphibians, and how the changes during the transition from a tadpole to a frog are dependent on a hormone from the thyroid gland.

Vic then went on to postdoctoral studies with the National Institutes of Health. He continued his research on amphibians as a faculty member at Wichita State University. He also spent two years as a scientist with NASA, and was on the team that sent a life-science experiment aboard the last Apollo spacecraft, the one that joined with the Russian craft in a joint mission in 1975.

Q. How did you get involved with this handbook project?

A. When I joined ATA eight years ago, I looked to see what stamps were listed for amphibians. ATA handbook #91, *Lower Vertebrates: Fish, Amphibians, and Reptiles of the World*, had very few stamps of amphibians. I let [Executive Director] Vera Felts know that I was willing to do the research to create a new handbook about amphibians on world stamps.

Q. Who will find this book useful?

A. Besides those who collect stamps of a biology nature and, more specifically, those interested in the topic of amphibians, this book will be of interest to people generally interested in amphibians.

Q. Why is this topic important?

A. Amphibians are the animal group that is most seriously threatened with extinction. In the last 20 years, 100 species have become extinct. People of many countries have influenced their governments to emphasize the threatened nature of amphibians. A graph in the book shows that, since the first amphibian stamp was issued in 1945, there has been a dramatic increase in the stamps showing frogs, toads, or salamanders. The numbers are increasing each year.

Q. Why are amphibians important to humans?

A. More than 800 chemicals have been isolated from the secretions of frog skin that have antibiotic, antimicrobial, and antifungal properties. The book outlines



Dr. Vic Eichler



Agalychnis callidryas
STP, 2015, Sc#2887b



Salamandra atra prenjensis
B-H (Croat), 2004, Sc#2887b

many other ways frogs help humans. For example, about ten percent of Nobel prizes given in medicine and physiology have involved research using frogs.

Q. Do you collect topics in addition to amphibians?

A. Because I was a professor of biological sciences, I am interested in a variety of topics related to animals. My favorite animals among the fish are the coelacanth, which were on the line of evolution of amphibians. My favorite stamps of reptiles are of true chameleons from Madagascar. They have many unique features—eyes that move independently, prehensile tail, dramatic color changes.

Q. You worked on this fine book for years. Are you glad it's finished?

A. It's always a thrill to see a manuscript in published form! This is my eleventh book, and I have no plans to jump into another long-term writing project!

Amphibians on Postage Stamps is available from the ATA office and at shows where ATA has a booth. Mail a check to ATA, or send an email to americantopical@msn.com and request *Amphibians*, ATA HB 165 (printed book) or HB 165-E (on DVD). Cost for either version is \$35 (\$30 for ATA members). Add postage: for printed book: \$2.50 US, \$3.50 Canada, \$8 to other countries. Add postage for DVD: \$1.50 US/Canada, \$3.50 to other countries.



Triturus cristatus
Liechtenstein, 2014, Sc#1610

GENETICS ISSUE

On 8 July 2003, Australia Post issued a pair of stamps to commemorate the 50th anniversary of the discovery of one of the secrets of life on Earth—the double helix structure of the DNA molecule.

These stamps also celebrated the 50th meeting of the Genetics Society of Australia.

DNA, which stands for deoxyribose nucleic acid, carries the genetic information within the chromosomes of all living cells.

In 1953, James D. Watson, Francis Crick, and Maurice Wilkins discovered that the structure was formed by two intertwined helical chains composed of nucleotides. For this discovery, the three shared the 1962 Nobel Prize for Physiology or Medicine.

Each nucleotide is composed of one of four nitrogen-containing nucleobases (cytosine [C], guanine [G], adenine [A] or thymine [T]), a sugar called deoxyribose, and a phosphate group. These four letters are printed in light blue across the entire first day envelope and can be seen highlighted in the cachet.

The first stamp shows the DNA double helix molecule. The second stamp shows the chromosomes of a kangaroo undergoing cell division. The stamp designer was Fragile Design of Prahran, Victoria, Australia. The cover design was by Lisa Christensen from the Australia Post Design Studio.



Genetics First Day Cover
Australia, 2003, Sc#2171–72



BOTANY

Editor

Christopher E. Dahle, BU1269

New Listings



Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
ALBANIA 2017 November 1 (Flora) (Horiz Pair)				
2996a	150l	Common Bugle, <i>Ajuga reptans</i>	Lamiaceae	Fl A
2996b	250l	Blueberries, <i>Vaccinium myrtillus</i>	Ericaceae	Fr A
ANDORRA (French) 2017 November 13 (Flora type of 2011) (Set/2)				
See <i>Plants on Stamps</i> , Vol. V, p.2)				
783	€1.10	<i>Cerastium latifolium</i> ssp. <i>pyrenaicum</i> (=pyrenaicum)	Caryophyllaceae	Fl B
ARUBA 2017 October 31 (Flowers) (Set/8)				
575	50c	Frangipani, Plumeria, <i>Plumeria rubra</i>	Apocynaceae	Fl A
576	90c	<i>Erythrina velutina</i>	Fabaceae	Fl A
577	130c	<i>Opuntia caracassana</i> (=wentiana)	Cactaceae	Fl A
578	135c	Stinking Passionflower, <i>Passiflora foetida</i>	Passifloraceae	Fl A
579	200c	Mexican Creeper or Coral Vine, <i>Antigonon leptopus</i>	Polygonaceae	Fl A
580	220c	Flame of the Woods or Jungle Geranium, <i>Ixora coccinea</i>	Rubiaceae	Fl A
581	305c	Sodom Apple, <i>Calotropis procera</i>	Apocynaceae	Fl A
582	320c	Twisted Acacia, <i>Acacia tortuosa</i>	Fabaceae	Fl A
2017 November 30 (Christmas) (Set/4)				
583	90c	Palm Trees, <i>Cocos nucifera</i> (w/ ornaments)	Arecaceae	T B
585	220c	Poinsettia, <i>Euphorbia pulcherrima</i> (w/ candles)	Euphorbiaceae	Fl B
BAHAMAS 2017 October 30 (Christmas) (Set/4)				
1470	14c	Caribbean Pine, <i>Pinus caribaea</i>	Pinaceae	Fr A
1471	50c	Holly, <i>Ilex aquifolium</i>	Aquifoliaceae	V A
1472	65c	Poinsettia, <i>Euphorbia pulcherrima</i>	Euphorbiaceae	Fl A
1473	70c	Ivy, <i>Hedera helix</i>	Araliaceae	V A
BHUTAN 2017 October 9 (Blue Poppies) (MS/8 & SS/1)				
1583a	20nu	<i>Meconopsis sinuata</i>	Papaveraceae	Fl A MS
1583b	20nu	<i>M. bella</i>	Papaveraceae	Fl A MS
1583c	20nu	<i>M. merakensis</i>	Papaveraceae	Fl A MS
1583d	20nu	<i>M. horridula</i>	Papaveraceae	Fl A MS
1583e	20nu	<i>M. polygaloides</i>	Papaveraceae	Fl A MS
1583f	20nu	<i>M. bhutanica</i>	Papaveraceae	Fl A MS
1583g	20nu	<i>M. elongata</i>	Papaveraceae	Fl A MS
1583h	20nu	<i>M. simplicifolia</i>	Papaveraceae	Fl A MS
1584	SS 50nu	<i>M. gakyidiana</i>	Papaveraceae	Fl A SS
2017 October 26 (Orchids) (MS/8 & SS/1)				
1585a	15nu	<i>Dendrobium</i> (=Epigeneium) <i>amplum</i>	Orchidaceae	Fl A MS
1585b	15nu	<i>Cypripedium guttatum</i>	Orchidaceae	Fl A MS
1585c	15nu	<i>Dendrobium nobile</i>	Orchidaceae	Fl A MS
1585d	15nu	<i>Esmeralda clarkei</i>	Orchidaceae	Fl A MS
1585e	15nu	<i>Corybas himalaicus</i>	Orchidaceae	Fl A MS

BHUTAN (continued)

1585f	15nu	<i>Paphiopedilum fairrieanum</i>	Orchidaceae	Fl A MS
1585g	15nu	<i>Odontochilus elwesii</i>	Orchidaceae	Fl A MS
1585h	15nu	<i>Cypripedium tibeticum</i>	Orchidaceae	Fl A MS
1586	SS 50nu	<i>Bulbophyllum guttulatum</i>	Orchidaceae	Fl A SS

CAYMAN ISLANDS**2017 March 29** (Agriculture) (Set/4 & SS/3)

1180	25c	Coconut, <i>Cocos nucifera</i>	Arecaceae	Fr B
		Bananas, <i>Musa acuminata</i>	Musaceae	Fr B
		Star Fruit, <i>Averrhoa carambola</i>	Oxalidaceae	Fr B
		Naseberry, <i>Manilkara zapota</i>	Sapotaceae	Fr B
		Pumpkin, <i>Cucurbita moschata</i>	Cucurbitaceae	Fr B
1182	\$2	Peppers, <i>Capsicum annuum</i>	Solanaceae	Fr A
1183	Margin	Chives, <i>Allium schoenoprasum</i>	Amaryllidaceae	V B SS Z
		Tomato, <i>Lycopersicon esculentum</i>	Solanaceae	V B SS Z
		Thyme, <i>Thymus vulgaris</i>	Lamiaceae	V B SS Z

CHILE**2017 October 25** (Desert Flowers) (Block/4)

1654a	600p	<i>Bomarea (=Leontochir) ovallei</i>	Alstroemeriaceae	Fl A
1654b	600p	Glory-of-the-Sun, <i>Leucocoryne vittata</i>	Amaryllidaceae	Fl A
1654c	600p	<i>Argylia radiata</i>	Bignoniaceae	Fl A
1654d	600p	<i>Rhodophiala phycelloides</i>	Amaryllidaceae	Fl A

CHINA (Taiwan)**2017 November 16** (Flower) (Single)

4391	\$35	<i>Cheirostylis octodactyla</i>	Orchidaceae	Fl A
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DENMARK**2018 January 2** (Rose Varieties) (Bklt/10)

1794	27k	Jubilee Celebration, <i>Rosa</i> 'Jubilee Celebration'	Rosaceae	Fl A
1795	27k	Rhapsody in Blue, <i>Rosa</i> 'Rhapsody in Blue'	Rosaceae	Fl A
1796	27k	Sekel, <i>Rosa</i> 'Sekel'	Rosaceae	Fl A
1797	27k	Ingrid Bergman, <i>Rosa</i> 'Ingrid Bergman'	Rosaceae	Fl A
1798	27k	Crocus Rose, <i>Rosa</i> 'Crocus Rose'	Rosaceae	Fl A
1798a		Bklt/10 (2ea Sc#1794–98)		

DJIBOUTI**2017 December 11** (Orchids) (MS/4 & SS/1)

1323a	240fr	<i>Oncidium alexandrae</i> (= <i>Odontoglossum crispum</i>)	Orchidaceae	Fl A MS
1323b	240fr	<i>Cattleya</i> 'Blc Greenwich'	Orchidaceae	Fl A MS
1323c	240fr	<i>Vanda coerulea</i>	Orchidaceae	Fl A MS
1323d	240fr	<i>Miltonia regnellii</i>	Orchidaceae	Fl A MS
1342	SS 950fr	<i>Beallara marfitch</i> 'Howard's Dream'	Orchidaceae	Fl A SS
	Margin	LR: <i>Phragmipedium longifolium</i>	Orchidaceae	Fl A SS Z

ESTONIA**2017 November 24** (Trees: Joint Issue w/ Romania) (Set/2)

855	€1.40	Norway Spruce, <i>Picea abies</i>	Pinaceae	T A
856	€1.40	Rowan or Mountain Ash, <i>Sorbus aucuparia</i>	Rosaceae	T A

FAROE ISLANDS**2017 May 15** (1817 Visit by Botanist Hans Christian Lyngbye) (Set/4)

682	9.50k	<i>Carex lyngbyei</i>	Cyperaceae	Fl A
683	13k	Irish Moss or Carrageen Moss, <i>Chondrus crispus</i>	Gigartinaceae	V A
685	22k	U/I seaweed		V A U

GREAT BRITAIN**2017 July 31** (World War I Cent.) (Bklt/3)

3632	(65p)	Shattered Poppy, <i>Papaver rhoeas</i>	Papaveraceae	Fl A
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GREAT BRITAIN (England)**2017 March 21** (Types of 2003, see *Plants on Stamps*, Vol. V, p. 67)

33	£1.17	Oak, <i>Quercus robur</i>	Fagaceae	T A
34	£1.40	Tudor Rose, <i>Rosa</i> sp.	Rosaceae	Fl A U

GREAT BRITAIN (Scotland) 2017 March 21 (Types of 2003, see *Plants on Stamps*, Vol. V, p. 67)
47 £1.17 Thistle, *Onopordum acanthium* FI A

GREAT BRITAIN (Wales & Monmouthshire) 2017 March 21 (Types of 2003, see *Plants*, Vol. V, p. 67)
47 £1.17 Daffodils, *Narcissus pseudonarcissus* Amaryllidaceae FI A

GREAT BRITAIN (Alderney) 2017 November 8 (Christmas) (Set/7)
584 39p Stylized Holly, *Ilex aquifolium* Aquifoliaceae T A S

GRENADA 2018 January 1 (Chinese Paintings: Dogs & Flowers) (MS/20)

Note: These paintings were not identified, so if anyone knows what flowers these are, please notify the editor.

4270k	Peony, <i>Paeonia officinalis</i>	Paeoniaceae	FI B MS
4270l	Pink, <i>Dianthus</i> sp.	Caryophyllaceae	FI B MS
4270m	U/I sp.		FI B U MS
4270n	Iris, <i>Iris</i> sp.	Iridaceae	FI B MS
4270o	U/I sp.		FI B U MS
4270p	Gentian, <i>Gentiana</i> sp.	Gentianaceae	FI B MS
4270q	Chrysanthemum, <i>Chrysanthemum</i> sp.	Asteraceae	FI B MS
4270r	Poppy, <i>Papaver</i> sp.	Papaveraceae	FI B MS
4270s	U/I sp.		FI B U MS
4270t	U/I sp.		FI B U MS

GUYANA 2012 (Sc#2369 & Sc#2372 surch) (2ea MS/16)

See *Plants on Stamps*, Vol. III, p.147

4181a	\$20 <i>Brassavola martiana</i>	Orchidaceae	FI A
4181b	\$20 <i>Paphinia cristata</i>	Orchidaceae	FI A
4181c	\$20 <i>Aganisia pulchella</i>	Orchidaceae	FI A
4181d	\$20 <i>Trichocentrum</i> (=Oncidium) <i>lanceanum</i>	Orchidaceae	FI A
4181e	\$20 <i>Lockhartia imbricata</i>	Orchidaceae	FI A
4181f	\$20 <i>Caularthron bilamellatum</i>	Orchidaceae	FI A
4181g	\$20 <i>Trichocentrum</i> (=Oncidium) <i>nanum</i>	Orchidaceae	FI A
4181h	\$20 <i>Platystele</i> (=Pleurothallis) <i>ovalifolia</i>	Orchidaceae	FI A
4181i	\$20 Rich-Blooming Galeandra, <i>Galeandra dives</i>	Orchidaceae	FI A
4181j	\$20 <i>Cynoches loddigesii</i>	Orchidaceae	FI A
4185k	\$20 <i>Brassia</i> (=Ada) <i>aurantiaca</i>	Orchidaceae	FI A
4181l	\$20 Bearded Catasetum, <i>Catasetum barbatum</i>	Orchidaceae	FI A
4181m	\$20 <i>Palmorchis pubescens</i>	Orchidaceae	FI A
4181n	\$20 Brown Epidendrum, <i>Epidendrum anceps</i>	Orchidaceae	FI A
4181o	\$20 <i>Huntleya meleagris</i>	Orchidaceae	FI A
4181p	\$20 Beautiful Sobralia, <i>Sobralia decora</i> (=sessilis)	Orchidaceae	FI A
4181Qa	\$20 Flame lily, <i>Gloriosa superba</i> (=rothschildiana)	Colchicaceae	FI A
4181Qb	\$20 Garlic Vine, <i>Mansoa alliacea</i> (=Pseudocalymma <i>alliaceum</i>)	Bignoniaceae	FI A
4181Qc	\$20 Guirnalda Amarilla, <i>Callichlamys latifolia</i>	Bignoniaceae	FI A
4181Qd	\$20 Royal Trumpet Vine, <i>Distictis</i> 'Rivers'	Bignoniaceae	FI A
4181Qe	\$20 Angels Trumpet, <i>Maurandya barclayana</i>	Plantaginaceae	FI A
4181Qf	\$20 Easter Lily Vine, <i>Beaumontia murtonii</i> (=fragrans)	Apocynaceae	FI A
4181Qg	\$20 Corkscrew Vine, <i>Vigna</i> (=Phaseolus) <i>caracalla</i>	Fabaceae	FI A
4181Qh	\$20 Shining Mandevilla, <i>Mandevilla splendens</i>	Apocynaceae	FI A
4181Qi	\$20 Chalice Vine, <i>Solandra longiflora</i>	Solanaceae	FI A
4181Qj	\$20 Red Passion Flower, <i>Passiflora coccinea</i>	Passifloraceae	FI A
4181Qk	\$20 Allamanda, <i>Allamanda cathartica</i>	Apocynaceae	FI A
4181Ql	\$20 Red Bauhinia, <i>Bauhinia anamesa</i> (=punctata)	Fabaceae	FI A
4181Qm	\$20 Beach verbena, <i>Glandularia</i> (=Verbena) <i>maritima</i>	Verbenaceae	FI A

GUYANA (continued)

4181Qn	\$20	Chilean Jasmine, <i>Mandevilla laxa</i> (= <i>suaveolens</i>)	Apocynaceae	Fl A
4181Qo	\$20	<i>Bignonia</i> (= <i>Phryganocydia</i>) <i>corymbosa</i>	Bignoniaceae	Fl A
4181Qp	\$20	Jasmine, <i>Jasminum sambac</i>	Oleaceae	Fl A

2017 November 22 (Amazon Rainforest) (SS/3)

4524b	\$400	Water Lilies, <i>Victoria amazonica</i>	Nymphaeaceae	Fl A SS
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HONG KONG**2017 August 17** (Rare Flora) (Set/4 & SS/4)

1866	\$1.70	<i>Ilex graciliflora</i>	Aquifoliaceae	Fr A
1867	\$2.90	<i>Bulbophyllum bicolor</i>	Orchidaceae	Fl A
1868	\$3.70	<i>Begonia hongkongensis</i>	Begoniaceae	Fl A
1869	\$5	<i>Illicium angustisepalum</i>	Schisandraceae	Fl A
1869a		SS/4 (Sc#1866–69)		

2017 September 5 (Ptgs & Calligraphy by Jao Tsung-I) (Set/6 & 2ea SS)

1870	\$1.70	Ptg: "Pine Trees in Huangshan," <i>Pinus</i> sp.	Pinaceae	T B
1871	\$2.20	Ptg: "Pine Trees and Ashat," <i>Pinus</i> sp.	Pinaceae	T B
1875a		SS/12 (2ea Sc#1870–75)		
1876	SS \$10	Ptg: "Four-screen Lotus Set," <i>Nelumbo nucifera</i>	Nelumbonaceae	Fl A SS

INDIA**2017 August 14** (Beautiful India Photo Contest) (Set/2 & SS/2)

2952	15r	U/I tree w/ yellow flowers (perf 13¾)		T B U
2952a	15r	U/I tree w/ yellow flowers (perf 13¾×13½)		T B U
2952b		SS/2 (Sc#2951a–52a)		

IRAN**2015–16** (Medicinal Flowers Type of 2015–16) (Set/12)

See Vol. 66(2), p. 124

3138	500r	Marjoram, <i>Origanum majorana</i> (square)	Lamiaceae	Fl A
3139	500r	Marjoram, <i>Origanum majorana</i> (rectangle)	Lamiaceae	Fl A
3141	1000r	Johnny-jump-up, <i>Viola tricolor</i>	Violaceae	Fl A
3142	2000r	Monkey Orchid, <i>Orchis simia</i> (rectangle)	Orchidaceae	Fl A
3143	2000r	Monkey Orchid, <i>Orchis simia</i> (square)	Orchidaceae	Fl A
3144	3000r	False Rhubarb, <i>Rheum rhaponticum</i>	Polygonaceae	Fl A
3146	5000r	Chamomile, <i>Matricaria chamomilla</i>	Asteraceae	Fl A
3147	7000r	Castor Oil Bean, <i>Ricinus communis</i>	Euphorbiaceae	Fl A
3148	10000r	Liquorice, <i>Glycyrrhiza glabra</i> (square)	Fabaceae	Fl A
3149	10000r	Liquorice, <i>Glycyrrhiza glabra</i> (rectangle)	Fabaceae	Fl A
3150	20000r	Red Feathers, <i>Echium amoenum</i> (horiz rectangle)	Boraginaceae	Fl A
3151	20000r	Red Feathers, <i>Echium amoenum</i> (vert rectangle)	Boraginaceae	Fl A

2016

3164	8000r	<i>Salix aegyptica</i>	Salicaceae	Fl A
3165	9000r	Caraway, <i>Carum carvi</i>	Apiaceae	Fl A

JAPAN**2017 February 15** (Hospitality Flowers Series 7) (2ea MS/10)

4082a	52¥	Cherry blossoms, <i>Prunus serrulata</i>	Rosaceae	Fl A
4082b	52¥	Plum blossoms, <i>Prunus mume</i>	Rosaceae	Fl A
4082c	52¥	Pansies, <i>Viola</i> × <i>wittrockiana</i>	Violaceae	Fl B
		Sweet Alyssum, <i>Lobularia maritima</i>	Brassicaceae	Fl B
4082d	52¥	Snapdragons, <i>Antirrhinum majus</i>	Plantaginaceae	Fl A
4082e	52¥	Lupines, <i>Lupinus polyphyllus</i>	Fabaceae	Fl A
4082		MS/10 (2ea Sc#4082a–e)		

JAPAN (continued)

4083a	82¥	Cherry blossoms, <i>Prunus serrulata</i>	Rosaceae	Fl A
4083b	82¥	Mimosa blossoms, <i>Acacia dealbata</i>	Fabaceae	Fl A
4083c	82¥	Bellflowers, <i>Campanula rotundifolia</i>	Campanulaceae	Fl A
4083d	82¥	Ornithogalum, <i>Ornithogalum thyrsoides</i>	Asparagaceae	Fl A
4083e	82¥	Anemones, <i>Anemone coronaria</i>	Ranunculaceae	Fl A
4083		MS/10 (2ea Sc#4083a–e)		

2017 February 24 (Spring Greetings) (2ea MS/10)

4084a	52¥	Cherry blossoms, <i>Prunus serrulata</i>		Fl A
4084b	52¥	Dandelions, <i>Taraxacum campyloides</i>	Asteraceae	Fl B
		Clover, <i>Trifolium pratense</i>	Fabaceae	Fl B
4084c	52¥	Vegetables in basket		V B U
4084d	52¥	Bamboo shoots	Poaceae	V A U
4084		MS/10 (4ea Sc#4084a & 2ea Sc#4084b–d)		
4085a	82¥	Cherry blossoms, <i>Prunus serrulata</i>	Rosaceae	Fl A
4085b	82¥	Strawberries, <i>Fragaria ananassa</i> (w/ mailbox)	Rosaceae	Fr B
4085c	82¥	Field mustard <i>Brassica rapa</i>	Brassicaceae	Fl A
4085d	82¥	Wreath of flowers		Fl A U
4085		MS/10 (4ea Sc#4085a & 2ea Sc#4085b–d)		

2017 April 4 (Hospitality Flowers Series 8) (2ea MS/10)

4091a	52¥	Hydrangea, <i>Hydrangea macrophylla</i>	Hydrangeaceae	Fl A
4091b	52¥	Marguerite daisies, <i>Argyranthemum frutescens</i>	Asteraceae	Fl A
4091c	52¥	Peony, <i>Paeonia officinalis</i>	Paeoniaceae	Fl A
4091d	52¥	Lantana, <i>Lantana camara</i>	Verbenaceae	Fl A
4091e	52¥	Hibiscus, <i>Hibiscus rosa-sinensis</i>	Malvaceae	Fl A
4091		MS/10 (2ea Sc#4091a–e)		
4092a	82¥	Hydrangea, <i>Hydrangea macrophylla</i>	Hydrangeaceae	Fl A
4092b	82¥	Sunflowers and roses, <i>Helianthus annuus</i> ; <i>Rosa</i> sp.	Asteraceae; Rosaceae	Fl A
4092c	82¥	Carnations, <i>Dianthus caryophyllus</i>	Caryophyllaceae	Fl A
4092d	82¥	Gardenias, <i>Gardenia jasminoides</i>	Rubiaceae	Fl A
4092e	82¥	Tulips, <i>Tulipa x hybrida</i>	Liliaceae	Fl A
4092		MS/10 (2ea Sc#4092a–e)		

2017 April 14 (My Journey Series No. 2) (MS/10)

4094d	82¥	Salad: Carrots, <i>Daucus carota</i>	Apiaceae	Fr V B
		Tomatoes, <i>Lycopersicon esculentum</i>	Solanaceae	Fr V B
		Edamame, <i>Glycine max</i>	Fabaceae	Fr V B
		Onions, <i>Allium cepa</i>	Amaryllidaceae	Fr V B
4094e	82¥	Hydrangea, <i>Hydrangea macrophylla</i> (w/ mailbox)	Hydrangeaceae	Fl B
4094f	82¥	Hydrangea, <i>Hydrangea macrophylla</i>	Hydrangeaceae	Fl A
4094g	82¥	Bamboo grove	Poaceae	V A U

2017 April 20 (Painting by Korin Ogata: Irises) (MS/10)

4095a–f	82¥	Irises, <i>Iris japonica</i> (continuous design)	Iridaceae	Fl A
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2017 April 26 (RIKEN Institute 100th anniv.) (Horiz Strip/5)

4099	82¥	Photomicrographs of plant & animal tissue		V B U
4100	82¥	Cherry blossoms, <i>Prunus serrulata</i> (blossom mutations from heavy ion beam breeding technique)	Rosaceae	Fl A

JAPAN (continued)**2017 April 28** (Flora & Fauna of Oze National Monument) (MS/10)

4101a	82¥	Oriental Chive, <i>Allium maximowiczii</i>	Amaryllidaceae	Fl A
4101b	82¥	<i>Leontopodium fauriei</i> var. <i>angustifolium</i>	Asteraceae	Fl A
4101c	82¥	Oze Kouhono, <i>Nuphar pumilum</i> var. <i>ozeense</i>	Nymphaeaceae	Fl A
4101d	82¥	Marsh Cinquefoil, <i>Potentilla palustris</i>	Rosaceae	Fl A
4101e	82¥	Asian Skunk Cabbage, <i>Lysichiton camtschatcensis</i>	Araceae	Fl A
4101f	82¥	Daylily, <i>Hemerocallis dumortieri</i>	Xanthorrhoeaceae	Fl A
4101		MS/10 (Sc#4101a–j)		

2017 May 26 (National Afforestation: Toyama) (MS/10)

4115a	62¥	Cherry blossoms, <i>Prunus serrulata</i>	Rosaceae	Fl A
4115b	62¥	North Kobushi Magnolia, <i>Magnolia kobus</i>	Magnoliaceae	Fl A
4115c	62¥	Gentian, <i>Gentiana</i> sp.	Gentianaceae	Fl A
4115d	62¥	Tulips, <i>Tulipa edulis</i>	Liliaceae	Fl A
4115e	62¥	Japanese Big leaf Magnolia, <i>Magnolia obovata</i>	Magnoliaceae	Fl A
4115f	62¥	Cherry blossoms, <i>Prunus serrulata</i>	Rosaceae	Fl A
4115g	62¥	Adder's Tongue Lilies, <i>Erythronium japonicum</i>	Liliaceae	Fl A
4115h	62¥	Kanoko Lily, <i>Lilium speciosum</i>	Liliaceae	Fl A
4115i	62¥	Japanese Bay Tree, <i>Machilus thunbergii</i>	Lauraceae	T A
4115j	62¥	Tateyama Cedar Tree, <i>Cryptomeria japonica</i>	Cupressaceae	T A

2017 June 2 (Summer Greetings) (2ea MS/10)

4116d	62¥	Sunflowers, <i>Helianthus annuus</i> (denom on L)	Asteraceae	Fl A
4116e	62¥	Sunflowers, <i>Helianthus annuus</i> (denom on R)	Asteraceae	Fl A
4116		MS/10 (2ea Sc#4116a–c, f & 1ea Sc#4116d–e)		
4117f	82¥	Watermelon, <i>Citrullus lanatus</i>	Cucurbitaceae	Fr A
4117		MS/10 (2ea Sc#4117a–b, e–f & 1ea Sc#4117c–d)		

2017 June 7 (Paintings by various artists) (MS/10)

4118a	82¥	“Sunflowers” by Nakajima, <i>Helianthus annuus</i>	Asteraceae	Fl A
4118b	82¥	“Morning Glories” by Nakajima, <i>Ipomoea purpurea</i>	Convolvulaceae	Fl A
4118c	82¥	“Chinese Bellflowers” by Hori, <i>Platycodon grandiflorus</i>	Campanulaceae	Fl A
4118g	82¥	“Early Summer” by Morita, <i>Tropaeolum majus</i>	Tropaeolaceae	Fl A
4118h	82¥	“Autumn Flowers” by Morita, <i>Chrysanthemum</i> sp.	Asteraceae	Fl A

2017 August 30 (National Sports Festival) (MS/10)

4144h	82¥	Mandarin oranges, <i>Citrus reticulata</i>	Rutaceae	Fr A
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JORDAN**2017 July 10** (Trees) (Set/2)

2315	30pi	Spanish Fir, <i>Abies pinsapo</i>	Pinaceae	T A
2316	50pi	Turkey Oak, <i>Quercus laevis</i>	Fagaceae	T A

2017 October 12 (Fruit) (Set/10)

2326	20pi	Plums, <i>Prunus domestica</i>	Rosaceae	Fr A
2327	20pi	Pomegranate, <i>Punica granatum</i>	Punicaceae	Fr A
2328	20pi	Peaches, <i>Prunus persica</i>	Rosaceae	Fr A
2329	20pi	Figs, <i>Ficus carica</i>	Moraceae	Fr A
2330	20pi	Cactus Fruit, <i>Opuntia ficus-indica</i>	Cactaceae	Fr A
2331	20pi	Grapes, <i>Vitis vinifera</i>	Vitaceae	Fr A
2332	20pi	Blackberries, <i>Rubus cultivar</i>	Rosaceae	Fr A
2333	20pi	Strawberries, <i>Fragaria ananassa</i>	Rosaceae	Fr A
2334	20pi	Cantaloupe, <i>Cucumis melo</i>	Cucurbitaceae	Fr A
2335	20pi	Watermelon, <i>Citrullus lanatus</i>	Cucurbitaceae	Fr A

KAZAKHSTAN		2017 September 25 (Flora) (SS/2)			
826a	SS 200te	<i>Berberis iliensis</i> (also in L margin)	Berberidaceae	Fl A SS Z	
826b	SS 200te	<i>Juniperus sabina</i> (also in R margin)	Cupressaceae	Fr A SS Z	
		2017 November 6 (Katatau Nature Reserve) (SS/3)			
832c	SS 200te	<i>Hedysarum mindshilkense</i>	Fabaceae	Fl A MS	
KOREA (South)		2017 April 3 (Definitives) (Set/3 & Set/2)			
2487	420w	Rose of Sharon, <i>Hibiscus syriacus</i> (perf 12¾×13½)	Malvaceae	Fl A	
2490	420w	Rose of Sharon, <i>Hibiscus syriacus</i> (die cut 11½) (s/a)	Malvaceae	Fl A	
		2017 May 29 (Korean National Parks 50th anniv.) (Horiz Pair))			
2495a–b	330w	U/I flowers (w/ park ranger)		Fl B U	
KOSOVO		2016 September 20 (Fruit & Products) (Set/3)			
315	40c	Apples, <i>Malus domestica</i> (w/ apple pie)	Rosaceae	Fr B	
316	60c	Pears, <i>Pyrus communis</i> (w/ juice & cookie)	Rosaceae	Fr B	
317	80c	Blackberries, <i>Rubus</i> cultivar (w/ blackberry jam)	Rosaceae	Fr B	
		2017 March 3 (Flowers) (Set/3)			
338	80c	<i>Solenanthes krasniqii</i>	Boraginaceae	Fl A	
339	90c	<i>Aster albanicus</i>	Asteraceae	Fl A	
340	€1	<i>Tulipa luanica</i>	Liliaceae	Fl A	
KYRGYZSTAN		2017 March 25 (Flora & Fauna) (Set/2 & SS/4)			
542	39s	<i>Tulipa greigii</i>	Liliaceae	Fl A	
543a		SS/4 (2ea Sc#542–43)			
KYRGYZ EXPRESS POST		2017 July 7 (19th Intl. Botanical Congress, Shenzen, PRC) (Set/2)			
57	50s	Peony, <i>Paeonia officinalis</i>	Paeoniaceae	Fl A	
58	100s	Chrysanthemum, <i>Chrysanthemum</i> sp.	Asteraceae	Fl A	
LEBANON		2017 July 8 (Single)			
775	£2250	Cedar of Lebanon, <i>Cedrus libani</i>	Pinaceae	T A	
LIBERIA		2014 October 20 (Garden Flowers) (2ea MS/3 & 2ea SS/1)			
3005a	\$125	Coneflowers, <i>Echinacea purpurea</i>	Asteraceae	Fl A MS	
3005b	\$125	Calendulas, <i>Calendula officinalis</i>	Asteraceae	Fl A MS	
3005c	\$125	Purple Asters, <i>Aster dumosus</i>	Asteraceae	Fl A MS	
3006a	\$125	French Marigolds, <i>Tagetes patula</i>	Asteraceae	Fl A MS	
3006b	\$125	Tickseeds, <i>Coreopsis tinctoria</i>	Asteraceae	Fl A MS	
3006c	\$125	Zinnia, <i>Zinnia elegans</i> (Cap: “Cosmos”)	Asteraceae	Fl A MS	
3007	SS \$250	Black-eyed Susans, <i>Rudbeckia hirta</i>	Asteraceae	Fl A SS	
3008	SS \$250	Forget-me-nots, <i>Myosotis sylvatica</i>	Boraginaceae	Fl A SS	
		2015 July 13 (First Stamps of UN members) (MS/6)			
3069a	\$100	Coconut, <i>Cocos nucifera</i> (Tuvalu Sc#1 s-o-s)	Areaceae	T A MS	
LIBYA		2017 August 6 (Olives & Olive Tree) (Set/2)			
1826	5000d	Olives, <i>Olea europaea</i> (fruit & tree)	Oleaceae	Fr T A	
1827	10000d	Olives, <i>Olea europaea</i> (fruit & tree)	Oleaceae	Fr T A	
LIECHTENSTEIN		2018 March 5 (Vegetables) (Set/4)			
1748	85rp	Eggplant, <i>Solanum melongena</i>	Solanaceae	Fr A	
1749	100rp	Radishes, <i>Raphanus raphanistrum</i> ssp. <i>sativus</i>	Brassicaceae	V A	
1750	150rp	Zucchini, <i>Cucurbita pepo</i>	Cucurbitaceae	Fr A	
1751	200rp	Peppers, <i>Capsicum annuum</i>	Solanaceae	Fr A	

LUXEMBOURG		2017 December 5 (Rose Varieties) (Vert Strip/6)		
1474a	(70c)	Grand-Duc Adolphe, <i>Rosa</i> ‘Grand-Duc Adolphe de Luxembourg’	Rosaceae	Fl A
1474b	(70c)	Princesse Marie-Adélaïde, <i>Rosa</i> ‘Princesse Marie-Adélaïde’	Rosaceae	Fl A
1474c	(70c)	Grande-Duchesse Charlotte, <i>Rosa</i> ‘Grande-Duchesse Charlotte’	Rosaceae	Fl A
1474d	(70c)	Grand-Duc Jean, <i>Rosa</i> ‘Grand-Duc Jean’	Rosaceae	Fl A
1474e	(70c)	Grand-Duc Henri, <i>Rosa</i> ‘Grand-Duc Henri’	Rosaceae	Fl A
1474f	(70c)	Indépendance du Luxembourg, <i>Rosa</i> ‘Indépendance du Luxembourg’	Rosaceae	Fl A
MACAO		2017 October 9 (Lotus Flowers) (Block/4 & SS/1)		
1515a	2p	White & pink flower, <i>Nelumbo nucifera</i>	Nelumbonaceae	Fl A
1515b	3p	Red flower, <i>Nelumbo nucifera</i>	Nelumbonaceae	Fl A
1515c	4.50p	Red flower, <i>Nelumbo nucifera</i>	Nelumbonaceae	Fl A
1515d	5.50p	White & pink flower, <i>Nelumbo nucifera</i>	Nelumbonaceae	Fl A
1516	SS 12p	<i>Nelumbo nucifera</i>	Nelumbonaceae	Fl A
MACEDONIA		2016–17 (Vegetables Type of 2014) (Set/3) (See Vol. 66, p. 129)		
735	18d	Spinach, <i>Spinacia oleracea</i>	Amaranthaceae	V A
736	18d	Zucchini, <i>Cucurbita pepo</i>	Cucurbitaceae	Fr A
737	18d	Potatoes, <i>Solanum tuberosum</i>	Solanaceae	V A
MALAGASY REPUBLIC		2015 June 15 (Flora & Fauna) (Set/3)		
1644	1500a	<i>Hildegardia ankaranensis</i>	Malvaceae	Fl A
1645	1600a	<i>Gomphia</i> (= <i>Ouratea</i>) <i>obtusifolia</i>	Ochnaceae	Fl A
MALAYSIA		2017 August 8 (ASEAN 50th anniv.) (Single & SS/1)		
1693	60c	Hibiscus, <i>Hibiscus rosa-sinensis</i>	Malvaceae	Fl A
1694	SS \$3	Hibiscus, <i>Hibiscus rosa-sinensis</i>	Malvaceae	Fl A SS
MALDIVE ISLANDS		2015 January 28 (Paintings) (MS/4 & SS/1)		
3339c	20r	Mango, <i>Mangifera indica</i>	Anacardiaceae	Fr B MS
		“Still Life with Teapot and Fruit” by Gaugin		
3344b	22r	Buckwheat, <i>Fagopyrum esculentum</i>	Polygonaceae	Fr B MS
		“Buckwheat Harvesters at Port-Aven” by Bernard		
3345b	22r	Apple, <i>Malus domestica</i>	Rosaceae	Fr B MS
		Grape, <i>Vitis vinifera</i>	Vitaceae	Fr B MS
		European Pear, <i>Pyrus communis</i>	Rosaceae	Fr B MS
		Lemon, <i>Citrus limon</i>	Rutaceae	Fr B MS
		“Still Life with Compotier” by Cézanne		
3345c	22r	U/I flowers, “Still Life, Flowers in a Vase” by Cézanne		Fl A U MS
3348c	22r	“Sunflowers” by Van Gogh, <i>Helianthus annuus</i>	Asteraceae	Fl A MS
3348d	22r	Wheat, <i>Triticum aestivum</i>	Poaceae	V B MS
		“Wheatfield with Crows” by Van Gogh		
3357	SS 70r	U/I flowers, “Ophelia Among the Flowers” by Redon		Fl A U SS
		2015 February 1 (Resorts) (Set/5)		
3359	15r	Coconut palms, <i>Cocos nucifera</i>	Areaceae	T B
		2015 May 25 (Orchids & Butterflies) (MS/4 & SS/1)		
3409a	20r	<i>Zygopetalum</i> sp.	Orchidaceae	Fl B MS
3409b	20r	<i>Phalaenopsis</i> sp.	Orchidaceae	Fl B MS
3409c	20r	<i>Cymbidium</i> sp.	Orchidaceae	Fl B MS
3409d	20r	<i>Vanda</i> sp.	Orchidaceae	Fl B MS
3409	Margin	<i>Miltonia</i> sp.	Orchidaceae	Fl B MS Z
3419	SS 60r	<i>Epidendrum</i> sp.	Orchidaceae	Fl B SS
	Margin	L: <i>Cattleya</i> sp.	Orchidaceae	Fl B SS Z
		R: <i>Cymbidium</i> sp.	Orchidaceae	Fl B SS Z

MEXICO		2017 September 4 (Avocados) (Single)			
3063	9p	Avocado, <i>Persea americana</i> (fruit & trees)	Lauraceae	Fr T A	
NAMIBIA		2017 June 15 (Flame Lilies) (Set/3)			
1350	(\$6.60)	Limestone Lily, <i>Ornithoglossum calcicola</i> (inscr: Zone A)	Colchicaceae	Fl A	
1351	(\$7.50)	Flame Lily, <i>Gloriosa superba</i> (inscr: Zone B)	Colchicaceae	Fl A	
1352	(\$8.80)	Namib Lily, <i>Hexacyrtis dickiana</i> (inscr: Zone C)	Colchicaceae	Fl A	
NIUE		2018 March 7 (Fruit Trees) (Set/4 & SS/4)			
969	30c	Lime, <i>Citrus aurantiifolia</i> (w/ fruit)	Rutaceae	Fr T A	
970	\$1.40	Mango, <i>Mangifera indica</i> (w/ fruit)	Anacardiaceae	Fr T A	
971	\$2	Avocado, <i>Persea americana</i> (w/ fruit)	Lauraceae	Fr T A	
972	\$4	Coconut, <i>Cocos nucifera</i> (w/ fruit)	Areaceae	Fr T A	
972a		SS/4 (Sc#969–72)			
ST. HELENA		2017 September 30 (Christmas) (Set/4)			
1128	15p	Poinsettia, <i>Euphorbia pulcherrima</i>	Euphorbiaceae	Fl A	
1129	25p	Amaryllis, <i>Hippeastrum</i> sp.	Amaryllidaceae	Fl A	
1130	60p	Agapanthus, <i>Agapanthus africanus</i>	Amaryllidaceae	Fl A	
1131	£1	St. John's Lily, <i>Hippeastrum</i> × <i>johnsonii</i>	Amaryllidaceae	Fl A	
SPAIN		2017 October 13 (America Issue) (Single)			
4229	(€1.35)	Carnation, <i>Dianthus caryophyllus</i> (w/ tilde symbol)	Caryophyllaceae	Fl A	
TUNISIA		2017 July 9 (Olive Trees) (Set/2)			
1639	900m	Lakarit Olive tree, Doiret, <i>Olea europaea</i>	Oleaceae	Fr T A	
1640	3000m	Zarrazi Olive tree, <i>Olea europaea</i>	Oleaceae	Fr T A	
		2017 November 22 (Citrus Fruits) (Set/4)			
1651	50m	Mandarin Oranges, <i>Citrus reticulata</i>	Rutaceae	Fr T A	
1652	500m	Eureka Lemons, <i>Citrus limon</i> 'Eureka'	Rutaceae	Fr T A	
1653	500m	Maltese Oranges, <i>Citrus sinensis</i>	Rutaceae	Fr T A	
1654	4d	Sweet Lemons, <i>Citrus limetta</i>	Rutaceae	Fr T A	
UKRAINE		2017 March 17 (Tree Leaves & Fruit Type of 2012–16 w/ imprint)			
855g	30k	Ash, <i>Fraxinus excelsior</i> (imprint "2016")	Oleaceae	Fr V A	
858d	70k	Birch, <i>Betula pendula</i> (imprint "2016")	Betulaceae	Fr V A	
860e	2.50h	Norway maple, <i>Acer platanoides</i> (imprint "2016")	Sapindaceae	Fr V A	
862e	4.80h	Beech, <i>Fagus sylvatica</i> (imprint "2016")	Fagaceae	Fr V A	
864c	8h	European white elm, <i>Ulmus laevis</i> (imprint "2016")	Ulmaceae	Fr V A	
882a	(4.30h)	Sycamore maple, <i>Acer pseudoplanatus</i> (imprint "2016")	Sapindaceae	Fr V A	
883a	(8.10h)	European willow, <i>Salix alba</i> (imprint "2016")	Salicaceae	Fr V A	
909b	(4k)	Mulberry, <i>Morus alba</i> (imprint "2016")	Moraceae	Fr V A	
942a	(5.60h)	Seaberry, <i>Hippophae rhamnoides</i> (imprint "2016")	Elaeagnaceae	Fr V A	
943a	(6.40h)	European Pear, <i>Pyrus communis</i> (imprint "2016")	Rosaceae	Fr V A	
1026c		MS/20 (Sc#853h, 854g, 855g, 856g, 857j, 858d, 859h, 860e, 861f, 862e, 863e, 864c, 865b, 882a, 883a, 909b, 942a, 943a, 1025a, 1026a)			
UNITED NATIONS (New York)		2018 March 2 (Endangered Species) (Block/4)			
1191	\$1.15	Goldenseal, <i>Hydrastis canadensis</i>	Ranunculaceae	Fl A	
1191a		Block/4 (Sc#1188–91)			
UNITED NATIONS (Geneva)		2018 March 2 (Endangered Species) (Block/4)			
647	1.50fr	Succulent Sesame, <i>Uncarina grandidieri</i>	Pedaliaceae	Fl A	
649a		Block/4 (Sc#646–49)			

UNITED NATIONS (Vienna)		2018 March 2 (Endangered Species) (Block/4)		
616	80c	Hoodia, <i>Hoodia pilifera</i>	Apocynaceae	Fl A
619a		Block/4 (Sc#616–19)		
UNITED STATES		2018 January 11 (Lunar New Year) (Single)		
5254	(49c)	Lucky bamboo, <i>Dracaena braunii</i>	Asparagaceae	V A
		2018 January 18 (Love) (Single)		
5255	(49c)	Stylized Roses, <i>Rosa × hybrida</i>	Rosaceae	Fl B S
		Stylized Peonies, <i>Paeonia officinalis</i>	Paeoniaceae	Fl B S
		Stylized Dahlias, <i>Dahlia × hybrida</i>	Asteraceae	Fl B S
		2018 January 19 (Definitives) (Coil/10,000)		
5256	2c	Meyer Lemons, <i>Citrus limon × C. reticulata</i>	Rutaceae	Fr A

ISRAEL FLOWERS

On 9 April 2018, Israel Post issued a variety of different stamps celebrating anniversaries of its Independence, the Israeli Defense Forces, and Civil Aviation. Along with these, was a set of four stamps, a booklet, and a souvenir sheet depicting “Spring Flowers.”

The flora of Israel includes some 2,700 species, more than half of which bloom in the spring.



The first stamp shows a Cornflower or Bachelor’s Button (*Centaurea cyanoides*). These blue flowers are often used by florists since that is a scarce floral color. They are edible and are used to add color to salads and for herbal tea.

The Garland Chrysanthemum (*Glebionis coronaria*) appears on the second stamp. It is captioned *Chrysanthemum coronarium*, a synonym. A leafy herb rich in vitamins and minerals, it is used in many Asian cuisines.

The third stamp shows *Tulipa agenensis*, a member of the lily family. Cultivars of this plant led to “tulipmania” when they were imported to the Netherlands in the early 17th century, where plants sold for tremendous sums.

The fourth stamp shows the blossoms of Purple Clover (*Trifolium purpureum*). This plant is grown for silage and hay, but is also used as an herbal remedy for a variety of ailments.

Note that the designs of the sheet stamps differ by the inclusion of images of various insects.



NEW PLANTS IN THE PHILATELIC HERBARIUM

Christopher E. Dahle, BU1269

This is the fourth edition of this column. I am still figuring out how best to present the entries. Please let me know if there is a better way to do this.



Rhynchosglossum notonianum GESNERIACEAE, East Indian Klugia, Nil Diva Mal, Nari Nakuta

Synonyms: *Wulfenia notoniana*

Annual herbs with fleshy-succulent stems and creeping habit. Stems and leaves are hairy. Strongly asymmetrical leaves. Found on wet and shady rocks and in forest or open shady places, usually in the lowlands. Distribution from India and southern China to New Guinea, one (to three?) ssp. in Central America.

Sri Lanka Sc#2040. Definitive issue featuring flowers of Sri Lanka, issued 7 October 2016. Printed by Department of Government Printing, Sri Lanka on 102 gram/square meter security and PVA gum, by offset lithography, in four colors. Series designed by Sudath Jawawardena.

Print run 15,000,000.



Strobilanthes viscosus ACANTHACEAE, Nelu

Synonyms: *Endopogon argutus*, *E. digitalis*, *E. viscosus*, *Pseudostenosiphonium argutum*, *P. digirale*

Endemic to Sri Lanka. Undershrub 0.3–2.5 m. Grows in mountain areas. Blooms November–March. Inflorescence 2–11 cm white or pale pink purple flowers.

Sri Lanka Sc#2041. Definitive issue featuring flowers of Sri Lanka, issued 7 October 2016. Print run 6,000,000.

Schumacheria alnifolia DILLENIACEAE

Shrub endemic to Sri Lanka. Only six individuals were found in the Peak Wilderness Sanctuary during extensive forest surveys conducted between 1991 and 1996 for the National Conservation Review, suggesting it either extremely rare or possibly extinct, according to IUCN Red List.

Sri Lanka Sc#2044. Definitive issue featuring flowers of Sri Lanka, issued 7 October 2016. Print run 4,500,000.



Adrorhizon purpurascens ORCHIDACEAE

Synonyms: *Coelogyne purpurascens*, *Dendrobium purpurascens*, *Pleione purpurascens*

The only species in the genus *Adrorhizon* and one of three genera in the subtribe Adrorhizinae. The genus is native to southern India and Sri Lanka.

Sri Lanka Sc#2046. Definitive issue featuring flowers of Sri Lanka, issued 7 October 2016. Print run 6,000,000.

Impatiens henslowiana BALSAMINACEAE, Henslow's Balsam, Kele Kudalu

Synonym: *Impatiens albida*

Woody shrub 0.6–1.5 m, succulent when young. Solitary or fascicular white flowers from April to October. Found in southern Western Ghats in ravines and clefts of rocks, 600–2000 m, in Tamil Nadu, Kerala, and Sri Lanka. Flowering: April–October.

Sri Lanka Sc#2049. Definitive issue featuring flowers of Sri Lanka, issued 7 October 2016. Print run 9,000,000.





Actaea rubra RANUNCULACEAE, Red Baneberry

Synonyms: 43 recognized synonyms

Herbaceous plant to 0.6 m. Compound leaves with two or more leaflets. White flowers appear in spring to early summer, with red poisonous berries, 5–11 mm in size, in late summer. Rich soils, in moist forests. Circumboreal distribution.

Suriname Sc#1506a issued on 15 February 2017 in a sheet of 12. Printing: four colors offset. Gum: synthetic. Paper: stamp paper without watermark. Printer: Oostenrijkse Statsdrukkerij (Austrian State Printer, Vienna). Designer: Studio Labranda.

Delphinium cardinale RANUNCULACEAE, Scarlet Larkspur

Synonyms: *Delphinium cardinale* var. *angustifolium*, *D. coccineum*, *D. flammeum*

A summer deciduous perennial herb, with erect stem to 2 m. Basal leaves are lobed. Flowers 3 cm wide and 3 cm long appear in spring and summer. Native to California and Baja California. Grows in coastal sage scrub, chaparral, and foothill woodland in sun and part shade.

Suriname Sc#1506j. Issued on 15 February 2017 in a sheet of 12.



Vancouveria hexandra BERBERIDACEAE, Northern Inside-out Flower, American Barrenwort

Synonym: *Epimedium hexandrum*

Rhizomatous, basal-leaved, woodland perennial that grows to 30–45 cm. Drooping white flowers and fruits in May–July. Grows in Redwood and Douglas Fir forests, deep shade; 100–1700 m in western Cascade Mountains.

Suriname Sc#1506l. Issued 15 February 2017 in sheet of 12.

Lycopodium diaphanum LYCOPODIACEAE, Devil's Fingers

This common clubmoss, one of three species found at the islands, is easily recognized by its silvery sheen. The vegetative stems are creeping, with aerial stems up to 14 cm long, often topped by reproductive cones. Devil's fingers are endemic to Tristan, Inaccessible, and Gough. They occur up to 650 m on Tristan, but only 450 m on Gough.

Tristan da Cunha Sc#1090. Biodiversity Series II, Issued 7 December 2016. Designer: Andrew Robinson. Photography: Cliff Dorse. Printer: Cartor Security Printing. Process: Stochastic Lithography.



Cotula goughensis ASTERACEAE, Gough Brass Button

“Two species of brass buttons—yellow-flowered perennial members of the daisy family about 10–20 cm high—are endemic to the islands. The Gough Brass Button is confined to Gough Island, where it is locally common in coastal areas, especially where there is moderate trampling by seals and penguins,” according to the Tristan da Cunha postal service.

Tristan da Cunha Sc#1094, Biodiversity Series II, issued 7 December 2016. Photo: Peter Ryan.



***Paeonia kesrouanensis* PAEONIACEAE**

Synonyms: *Paeonia corallina* var. *kesrouanensis*, *P. mascula* ssp. *kesrouanensis*, *P. turcica*

Perennial. Large, pink, bowl-shaped flowers 10 cm across, with yellow stamens, borne on tall stems, very early, just as the foliage unfurls. Glabrous, biternate, and lobed leaves on 45 to 60 cm stems. Endemic to Syria, Turkey, and Lebanon growing on the edges of oak forests.

Turkey Sc#3495. Issued 23 April 2016 for EXPO 2016 in Antalya, in a set of seven. Printer: PTT Printing House



***Echeveria agavoides* var. *corderoyi* CRASSULACEAE, Echeveria**

Synonyms: *Cotyledon corderoyi*, *Echeveria corderoyi*, *Urbinia corderoyi*

Succulent that grows in a dense rosette 15–20 cm with 60–70 leaves. Stems, 34 per base, 35–45 cm tall bear red and yellow flowers. Not found in wild.

United States Sc#5198. Issued 28 April 2017 in San Francisco. Designed and typographed by Greg Breeding, Charlottesville, Virginia from a photograph by Erika Kirkpatrick, Laguna Niguel, California with art direction by William J. Glicker, Washington, DC. Printed in five colors using offset with microprint by Ashton Potter (USA) Ltd., Williamsville, New York on non-phosphored, block-tagged paper with pressure sensitive adhesive. Print run 100,000,000.

***Portulaca cyclophylla* PORTULACACEAE**

Small circular brown leaves that provide a camouflage effect against its gravelly habitat. Unusual in having large, showy blooms of up to 3.5 cm in diameter, with extended central stigma. Found in arid, gravel habitats of central Western Australia.

Australia Sc#4645 & 4649. Succulent plants issue of 20 June 2017. Printed by EGO Print, in Keysborough, Victoria using a Pemara printer on Tullis Russell Red Phosphor gummed paper and on Raf Ulink self-adhesive paper. Designed by Janet Boschen of Boschen Design with photographs from the collection of Attila and Michele Kapitany.



***Tecticornia verrucosa* AMARANTHACEAE**

Low, bushy perennial shrub to 55 cm. Comprised of multi-segmented blue-green, fleshy stems, turning purplish-pink as plant matures and develops a thin interior woody core. Tolerates both saline sandy soils and mildly saline clay pans, as well as freshwater clay pans. Found in north, central, and southwest-central Western Australia, western Northern Territory, and northwestern South Australia.

Australia Sc#4646 & 4650. Succulent plants issue of 20 June 2017.

***Calandrinia creethae* PORTULACACEAE, Jellybeans**

Rosette-like annual has a diameter of around 80 cm, with prostrate trailing stems developing from the rosette. Leaves vary in color from bright green, when juvenile, through yellow to orange and red, and flowers are pink or white. Grows in sandy soils in dry areas in central Western Australia.

Australia Sc#4647 & 4651. Succulent Plants issue of 20 June 2017.





***Gunniopsis quadrifida* AIZOACEAE**

Perennial low-growing shrub that reaches around 50 cm in height and 1.5 m in width. Rounded linear, greenish leaves with fleshy flowers that open up with four leaf-like outer “petals” and white to cream centers. Tolerates a range of soils. Found in southwestern Western Australia, southern Northern Territory, northern South Australia, southwestern Queensland, and northwestern New South Wales.

Australia Sc#4648 & 4652. Succulent plants issue of 20 June 2017.

***Crocus hartmannianus* IRIDACEAE**

Perennial herb to 15 cm occurs on stony ground on igneous or limestone substrate under *Pinus brutia* forests at 600–900 m. Endemic to Cyprus. Flowers pale lilac or white, stained violet on outer petals, appearing in early spring.

Cyprus Sc#1274. Wild flowers of Cyprus issued 16 February 2017. Set of 4 in MS/8. Printer: Veridos Matsoukis SA, Greece.



***Centaurea akamantis* ASTERACEAE, Akamas Centaury**

Subshrub or semi-woody herbaceous plant endemic to Cyprus. Known from three separate gorges on the Akamas Peninsula in northwestern part of the island on steep and humid limestone cliffs. Characterized by extremely long flowering and fruiting period. It can be found in calcareous rocky slopes with chasmophytic vegetation.

Cyprus Sc#1276. Wild Flowers of Cyprus issue of 26 February 2017.

***Staphylea colchica* STAPHYLEACEAE, Caucasian Bladdernut**

Deciduous shrub to 3–4.5 m. Pinnate compound leaves. Bell-shaped pentamerous greenish-white flowers, 12 mm, with fragrance like orange blossoms appearing in May. Inflated, baggy two- to three-lobed fruits, bladder-like in appearance have hard round seeds. Forest elevations to 1200 m in southern Caucasus Mountains.

Georgia Sc#525. Issued 15 December 2016.



***Lagunaria patersonia* MALVACEAE, Norfolk Island Hibiscus, Primrose Tree, Cow Itch Tree,**

Synonyms: *Hibiscus patersonii*, *H. patersonius*, *Laguna patersonia*

Small evergreen tree growing to 10–15 m. Thick, entire, oval leaves are olive green, 5–10 cm. Pink or mauve flowers appear in summer and early autumn, 3–7.5 cm diameter. Endemic to Australia, Norfolk Island, and Lord Howe Island. Hairs within the seed pods cause skin irritation.

Norfolk Island Sc#1136 issued 18 July 2017. Designed by Sharon Rodziewicz. Printed by EGO Print, in Keysborough, Victoria on gummed Tullis Red Phosphor paper by offset lithography.



Galanthus woronowii AMARYLLIDACEAE, Green Snowdrop

Bulbous, herbaceous plant with wide, green, shiny leaves. Flowers hanging from stalk, 4–19 cm, are white with green marks on lower third of petals and appear in spring. Native to northeast Turkey and the west and central Caucasus at 70–1400 m in stony and rocky spots, on river banks and at forest margins.

Russia Sc#7814a. Flora of Russia and 125th Anniversary of the Sochi Arboretum, issued 29 March 2017. Artist-Designer: A. Povarihin. Printed by Offset + Security Complex on coated paper. Print run 100,000.



Erythronium caucasicum LILIACEAE

Tuber-like bulb 2–4 cm long. Leaves (usually two) glaucous, spotted, ovate-elongate, 4–6 cm × 2–3 cm. Flowers solitary, white or creamy. Flowers during March–April in wild. Found in Western Caucasus and northern Iran, in forests of lower mountain zone, forest margins, and tall grass communities.

Russia Sc#7814b. Flora of Russia and 125th Anniversary of the Sochi Arboretum, issued 29 March 2017.



Cyclamen coum ssp. caucasicum PRIMULACEAE, Eastern Sowbread

Synonyms: 18 synonyms

Deciduous perennial, 5–8 cm, with heart-shaped leaves longer than broad and not lobed, but often slightly toothed or scalloped, and normally marbled above. Flowers pale to deep pink with eyes rarely white, appear December to March. Found from the eastern Black Sea coast to Northern Iran, sea level to 2000 m.

Russia Sc#7814d. Flora of Russia and 125th Anniversary of the Sochi Arboretum, issued 29 March 2017.

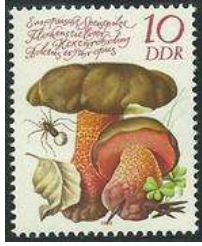
PEACE ROSE

On 21 April 2018, the US Postal Service issued a double-sided PSA booklet of 20 stamps depicting a Peace Rose (*Rosa × hybrida*), a hybrid tea rose. The stamp pays the Forever (50c) one-ounce first class rate.

The stamp was dedicated at the Gardens of the American Rose Center in Shreveport, Louisiana. April 21 also was the closing date of one of the oldest festivals in the South, Holiday in Dixie, which was held April 13–21 in Shreveport. The stamp release also served as the kick-off to the annual Spring Bloom Festival and preceded National Peace Rose Day on April 29.

Peace Rose celebrates one of the most popular roses of all time. The peace rose revolutionized hybrid tea roses with its unique coloring, hardiness, and disease resistance. The stamp art features a detail of a photograph of the rose's blossom taken by Richard C. Baer, its creamy yellow petals touched by pink at the edges. The art director was Ethel Kessler.



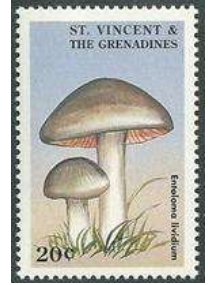


FUNGI

Editor

Dr. Paul A. Mistretta, BU1681

New Listings



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

HONG KONG

2017 November 14 (Bamboo Carvings) (Set/6 & SS/6)

1892 \$2.20 Lingzhi fungus, *Ganoderma* sp. Ganodermataceae A
 1896a SS/6 (Sc#1891-96)

JAPAN

2015 June 28 (Super Mario Characters) (MS/10)

4123c 82¥ Stylized mushroom (w/ seated Mario) S B
 4123g 82¥ Stylized mushroom cap on Running Toad S B
 Note: Toad also appears in the MS margin

2017 August 23 (Autumn Greetings) (2ea MS/10)

4142b 62¥ Stylized mushrooms (on ground w/ girl & basket) S C
 4143c 82¥ Stylized mushrooms (on brazier) S B

KYRGYZ EXPRESS POST

2017 April 6 (Edible Mushrooms) (Set/4 & SS/4)

47 50s Oyster Mushroom, *Pleurotus ostreatus* Pleurotaceae A
 48 50s Rough-stemmed Bolete, *Leccinum scabrum* Boletaceae A
 49 100s Common Morel, *Morchella conica* Morchellaceae A
 50 100s King Trumpet Mushroom, *Pleurotus eryngii* Pleurotaceae A
 50a SS/4 (Sc#47-50)

MALDIVIVE ISLANDS

2017 May 25 (Owls & Mushrooms) (MS/4 & SS/1)

3412a 20r Red-capped Scaber Stalk, *Leccinum aurantiacum* Boletaceae B
 3412b 20r Chanterelle, *Cantharellus cibarius* Cantharellaceae B
 3412c 20r Fly Agaric, *Amanita muscaria* Amanitaceae B
 3412d 20r Penny Bun, *Boletus edulis* Boletaceae B
 Margin Ctr: Parasol Mushroom, *Macrolepiota procera* Agaricaceae Z
 3422 SS 70r Chicken-of-the-Woods, *Laetiporus sulphureus* Polyporaceae B
 Margin L: Common Morel, *Morchella esculenta* Morchellaceae Z

SLOVAKIA

2017 October 12 (Mushrooms) (Vert Pair)

773a 65c Spring Orange Peel Fungus, *Caloscypha fulgens* Caloscyphaceae A
 773b 65c Violet (or Magenta) Coral, *Clavaria zollingeri* Clavariaceae A

UNITED STATES

2018 February 22 (Bioluminescent Life) (Block/10)

Identification per photographer Taylor Lockwood. For image of photo basis of stamp, see http://www.mushroom.pro/c_galleries/b_m_w/pages/2133743.htm

5267 (50c) No common name, *Mycena lucentipes* Mycenaceae A

Note: Possible fungus or fungus look-alike: Picture of **Malaysia** Sc#1722b appears to contain an image of a *Rafflesia* sp.; possibly a zoo building. I have ordered this stamp and will update this note in the next issue.



MAMMALIA

Editor

Michael Prince, LM68



New Listings

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
ALBANIA 2017 November 24 (Divjake-Karavasta National Park) (Horiz Pair)				
2999b	1000l	Water Buffalo, <i>Bubalus bubalis</i>	Bovidae	B
BOTSWANA 2017 October 1 (River Crossing) (Set/4 & SS/4)				
1032	5p	African Bush Elephant, <i>Loxodonta africana</i> (w/ ferry)	Elephantidae	B
1033	7p	Hippopotamus, <i>Hippopotamus amphibius</i> (w/ boat)	Hippopotamidae	B
1035a		SS/4 (Sc#1032–35)		
DJIBOUTI 2017 December 11 (Polar Bears) (Set/4 & SS/1)				
1304	240fr	Polar Bear, <i>Ursus maritimus</i> (facing forward R)	Ursidae	A
1305	240fr	Same species (walking R head up)		A
1306	240fr	Same species (standing head down)		A
1307	240fr	Same species (walking R head down)		A
1308	SS 950fr	Polar Bear, <i>Ursus maritimus</i>	Ursidae	A
2017 December 11 (Polar Bears) (MS/4 & SS/1)				
1309a	240fr	Polar Bear, <i>Ursus maritimus</i> (facing forward)	Ursidae	A
1309b	240fr	Same species (facing R)		A
1309c	240fr	Same species (adult & two cubs)		A
1309d	240fr	Same species (facing L)		A
1328	SS 950fr	Polar Bear, <i>Ursus maritimus</i> (also in Bot margin)	Ursidae	A Z
2017 December 11 (Wild Dogs) (MS/4 & SS/1)				
1311a	240fr	Dhole, <i>Cuon alpinus</i>	Canidae	A
1311b	240fr	Dingo, <i>Canis lupus</i> ssp. <i>dingo</i> (one howling)	Canidae	A
1311c	240fr	African Wild Dog, <i>Lycaon pictus</i>	Canidae	A
1311d	240fr	Dingo, <i>Canis lupus</i> ssp. <i>dingo</i> (two adults)	Canidae	A
1330	SS 950fr	Dhole, <i>Cuon alpinus</i>	Canidae	A
	Margin	Bot: African Wild Dog, <i>Lycaon pictus</i>	Canidae	Z
2017 December 11 (African Elephants) (MS/4 & SS/1)				
1312a	240fr	African Bush Elephant, <i>Loxodonta africana</i> (facing R)	Elephantidae	A
1312b	240fr	Same species (facing L head raised)		A
1312c	240fr	Same species (pair trunks entwined)		A
1312d	240fr	Same species (pair walking)		A
1331	SS 950fr	African Bush Elephant, <i>Loxodonta africana</i>	Elephantidae	A
	Margin	Bot & R: Same species		Z
2017 December 11 (Dolphins) (MS/4 & SS/1)				
1313a	240fr	Amazon River Dolphin, <i>Inia geoffrensis</i>	Iniidae	A
1313b	240fr	Striped Dolphin, <i>Stenella coeruleoalba</i>	Delphinidae	A
1313c	240fr	Commerson's Dolphin, <i>Cephalorhynchus commersonii</i>	Delphinidae	A
1313d	240fr	Risso's Dolphin, <i>Grampus griseus</i>	Delphinidae	A
1332	SS 950fr	Atlantic White-sided Dolphin, <i>Lagenorhynchus acutus</i>	Delphinidae	A
	Margin	Bot & R: Common Bottlenose Dolphin, <i>Tursiops truncatus</i>	Delphinidae	Z

GREAT BRITAIN (Guernsey)		2018 February 14 (Rhinoceros) (SS/1)			
1434	SS £3	Black Rhinoceros, <i>Diceros bicornis</i>	Rhinocerotidae		A
GREAT BRITAIN (Jersey)		2017 June 14 (Charles Darwin [1809-1882]) (Set/6)			
2050	63p	Livingstone's Fruit Bat, <i>Pteropus livingstonii</i>	Pteropodidae		A
2053	90p	Hispaniolan Solenodon, <i>Solenodon paradoxus</i>	Solenodontidae		A
2054	£1.07	Pygmy Hog, <i>Porcula salvania</i>	Suidae		A
GRENADA		2017 February 28 (Bats) (MS/6 & SS/2)			
4217a	\$3.50	Great Fruit-eating Bat, <i>Artibeus lituratus</i>	Phyllostomidae	(new)	A
4217b	\$3.50	Pallas's Mastiff Bat, <i>Molossus molossus</i>	Molossidae		A
4217c	\$3.50	Seba's Short-tailed Bat, <i>Carollia perspicillata</i>	Phyllostomidae		A
4217d	\$3.50	Little Yellow-shouldered Bat, <i>Sturnia lilium</i>	Phyllostomidae		A
4217e	\$3.50	Jamaican Fruit-eating Bat, <i>Artibeus jamaicensis</i>	Phyllostomidae		A
4217f	\$3.50	Greater Bulldog Bat, <i>Noctilio leporinus</i>	Noctilionidae		A
4218a	SS \$7.50	Tree Bat, <i>Ardops nichollsi</i> (round)	Phyllostomidae	(new)	A
		2017 April 3 (Animals of the World) (MS/4 & SS/1)			
4233b	\$6	Pallid Bat, <i>Antrozous pallidus</i>	Vespertilionidae		A
4233d	\$6	Bactrian Camel, <i>Camelus bactrianus</i>	Camelidae		A
4234	SS \$9	European Rabbit, <i>Oryctolagus cuniculus</i>	Leporidae		A
		2017 December 18 (Red Fox drawings) (MS/4 & 2ea SS/1)			
4267a	\$5.50	Red Fox, <i>Vulpes vulpes</i>	Canidae		A
4267b	\$6.50	Same species			A
4267c	\$7.50	Same species			A
4267d	\$8.50	Same species			A
4268a	SS \$12	Red Fox, <i>Vulpes vulpes</i> (one animal)	Canidae		A
4268b	SS \$12	Red Fox, <i>Vulpes vulpes</i> (pair)	Canidae		A
GRENADA GRENADINES		2017 July 14 (Bats) (MS/4 & SS/1)			
2983a	\$7	Mexican Long-tongued Bat, <i>Choeronycteris mexicana</i>	Phyllostomidae		A
2983b	\$7	Hairy Big-eyed Bat, <i>Chiroderma villosum</i>	Phyllostomidae	(new)	A
2983c	\$7	Little Yellow-shouldered Bat, <i>Sturnia lilium</i>	Phyllostomidae		A
2983d	\$7	Greater Bulldog Bat, <i>Noctilio leporinus</i>	Noctilionidae		A
2984	SS \$12	Pallas's Mastiff Bat, <i>Molossus molossus</i>	Molossidae		A
GUYANA		2017 April 14 (Animals of the World) (MS/4 & SS/1)			
4513c	\$500	Southern Three-banded Armadillo, <i>Tolypeutes matacus</i>	Dasypodidae		A
4514	SS \$800	Reticulated Giraffe, <i>Giraffa camelopardalis</i> ssp. <i>reticulata</i>	Giraffidae		A
		2017 September 11 (Sloths) (MS/4 & SS/3)			
4521a	\$400	Hoffmann's Two-toed Sloth, <i>Choloepus hoffmanni</i>	Megalonychidae		A
4521b	\$400	Brown-throated Sloth, <i>Bradypus variegatus</i> (adult)	Bradypodidae		A
4521c	\$400	Brown-throated Sloth, <i>Bradypus variegatus</i> (w/ juvenile)	Bradypodidae		A
4521d	\$400	Hoffmann's Two-toed Sloth, <i>Choloepus hoffmanni</i> (legs apart)	Megalonychidae		A
	Margin	Ctr: Brown-throated Sloth, <i>Bradypus variegatus</i>	Bradypodidae		Z
4522a	SS \$400	Brown-throated Sloth, <i>Bradypus variegatus</i> (arm extended)	Bradypodidae		A
4522b	SS \$400	Same species (climbing)			A
4522c	SS \$400	Same species (facing front)			A
		2017 December 7 (Jaguars) (MS/4 & SS/1)			
4526a	\$400	Jaguar, <i>Panthera onca</i> (on tree branch)	Felidae		A
4526b	\$400	Same species (facing front)			A
4526c	\$400	Same species (mouth open)			A
4526d	\$400	Same species (facing L)			A

GUYANA (continued)

4527 SS \$800 Jaguar, *Panthera onca* Felidae A

INDIA

2017 January 25 (Indian Fauna) (Set/6 & SS/6)

2900 5r Asiatic Elephant, *Elephas maximus* (perf 13¾×13½) Elephantidae S A
 2902 5r Tiger, *Panthera tigris* (perf 13½×13¾) Felidae S A
 2904 5r Chital, *Axis axis* (perf 13½×13¾) Cervidae S A
 2900a 5r Asiatic Elephant, *Elephas maximus* (perf 13¾ syncopated) Elephantidae S A
 2902a 5r Tiger, *Panthera tigris* (perf 13¾ syncopated) Felidae S A
 2904a 5r Chital, *Axis axis* (perf 13¾ syncopated) Cervidae S A
 2904b SS/6 (Sc#2899a–2904a)

IRAN

2016 (Eurasian Lynx) (Horiz Pair)

3162a 9000r Eurasian Lynx, *Lynx lynx* (facing R) Felidae A
 3162b 9000r Eurasian Lynx, *Lynx lynx* (head) Felidae A

ISRAEL

2018 February 6 (Wildlife Repopulated by Yotvata Hai-Bar) (Strip/3)

2173a 2.50s Kulan, *Equus hemionus* Equidae A
 2173b 2.50s Arabian Oryx, *Oryx leucoryx* Bovidae A
 2173c 2.50s Acacia Gazelle, *Gazella gazella* ssp. *acacia* Bovidae A

ST KITTS

2017 June 7 (Animals of the World) (MS/4)

963a \$5 Greater Mouse Deer, *Tragulus napu* Tragulidae A

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CANADA		2017 November 3 (Definitives) (SS/3 & Bklt/6)	A
3045b	\$1.20	Northern Cardinal, <i>Cardinalis cardinalis</i>	Cardinalidae
3045		SS/3 (Sc#3045a-c) (perf 13½×13¼)	
3048	\$1.20	Northern Cardinal, <i>Cardinalis cardinalis</i>	Cardinalidae
3048a		Bklt/6 (Sc#3048) (die cut 13¼×13)	
CARIBBEAN NETHERLANDS (St. Eustatius)		2017 March 3 (Personalized) (Set/4)	A
81	99c	Osprey, <i>Pandion haliaetus</i>	Pandionidae
82	99c	Black-and-white Warbler, <i>Mniotilta varia</i>	Parulidae
83	99c	Northern Parula, <i>Setophaga americana</i> (Cap: <i>Parula americana</i>)	Parulidae
84	99c	Royal Tern, <i>Thalasseus maximus</i> (Cap: <i>Sterna maxima</i>)	Laridae
CENTRAL AFRICAN REPUBLIC		2016 November 21 (Kingfishers) (MS/4 & SS/1)	A
The CAR issues have not yet been assigned Scott numbers, nor have other issues dating back to April, 2012. Do not hold your breath waiting for them. The country is a mess and information is almost impossible to get per the Scott Publishing New Issues Editor.			
a	750fr	Lilac-cheeked Kingfisher, <i>Cittura cyanotis</i>	Alcedinidae
b	750fr	Red-backed Kingfisher, <i>Todiramphus pyrrhopygius</i>	Alcedinidae
c	750fr	Madagascar Pygmy-Kingfisher, <i>Corythornis madagascariensis</i> (Cap. <i>Cexy madagascariensis</i>)	Alcedinidae
d	750fr	Brown-winged Kingfisher, <i>Pelargopsis amauroptera</i>	Alcedinidae
	Margin	Bot: Brown-winged Kingfisher, <i>Pelargopsis amauroptera</i>	Alcedinidae
n/a	SS 2650fr	Rufous-collared Kingfisher, <i>Actenoides concretus</i>	Alcedinidae
	Margin	LL & R: Gray-headed Kingfisher, <i>Halcyon leucocephala</i>	Alcedinidae
		2016 November 21 (Birds of Prey) (MS/4 & SS/1)	A
a	750fr	Snowy Owl, <i>Bubo scandiacus</i>	Strigidae
b	750fr	Brown Fish-Owl, <i>Ketupa zeylonensis</i>	Strigidae
c	750fr	Short-toed Eagle, <i>Circaetus gallicus</i>	Accipitridae
d	750fr	Rock Kestrel, <i>Falco rupicolus</i>	Falconidae
	Margin	Bot: Egyptian Vulture, <i>Neophron percnopterus</i>	Accipitridae
n/a	SS 2650fr	Eurasian Pygmy-Owl, <i>Glaucidium passerinum</i>	Strigidae
	Margin	UR: Cryptic Forest-Falcon, <i>Micrastur mintoni</i>	Falconidae (new)
		Bot: Northern Goshawk, <i>Accipiter gentilis</i>	Accipitridae
		2016 November 21 (Extinct Animals) (MS/4 & SS/1)	A
a	750fr	Great Auk, <i>Pinguinus impennis</i>	Alcidae
	Margin	Bot: Labrador Duck, <i>Camptorhynchus labradorius</i>	Anatidae
n/a	SS Margin	R: New Zealand Quail, <i>Coturnix novaezelandiae</i>	Phasianidae (new)
		LL: Black Mamo, <i>Drepanis funerea</i>	Fringillidae (new)
CHINA (People's Republic)		2017 August 28 (Magpies) (Single)	A
4475	\$1.20	Eurasian Magpie, <i>Pica pica</i>	Corvidae
CHINA (Taiwan)		2017 October 11 (Jacanas) (MS/4 & SS/1)	A
4387a	\$5	Pheasant-tailed Jacana, <i>Hydrophasianus chirurgus</i> (w/ eggs)	Jacanidae
4387b	\$5	Same species (in flight)	
4387c	\$10	Same species (walking on water plant)	
4387d	\$10	Same species (adult & chick)	
4388	SS \$32	Pheasant-tailed Jacana, <i>Hydrophasianus chirurgus</i>	Jacanidae
CHRISTMAS ISLAND		2017 November 1 (Christmas) (SS/2, Bklt/5, & Bklt/10)	C
562	65c	Brown Booby, <i>Sula leucogaster</i> (stylized)	Sulidae
563	\$2	White-tailed Tropicbird, <i>Phaethon lepturus</i> (stylized)	Phaethontidae
563a		SS/2 (Sc#563-63) (perf 14¾×14)	

CHRISTMAS ISLAND (continued)

564	\$2	White-tailed Tropicbird, <i>Phaethon lepturus</i> (stylized)	Phaethontidae
564a		Bklt/5 (Sc#564) (die cut 11¼)	
565	65c	Brown Booby, <i>Sula leucogaster</i> (stylized)	Sulidae
565a		Bklt/10 (Sc#565) (die cut) (litho & silk-screened)	

COLOMBIA **2017 April 27** (Departments Type of 2003) (MS/12+8 labels) **A**

1454d	100p	Great Egret, <i>Ardea alba</i>	Ardeidae
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COOK ISLANDS **2017 June 9** (WWF Surcharges) (Set/6) **A**

1571	50c	Spotless Crake, <i>Zapornia tabuensis</i> (Sc#1521 surch)	Rallidae
1572	50c	Same species (Sc#1522 surch)	
1573	50c	Same species (Sc#1523 surch)	
1574	\$1	Same species (Sc#1521 surch)	
157 5	\$1	Same species (Sc#1522 surch)	
1576	\$1	Same species (Sc#1523 surch)	

2017 October 31 (WWF) (Set/4 & Strip/4) **A**

1583	\$1	Bristle-thighed Curlew, <i>Numenius tahitiensis</i> (white frame)	Scolopacidae
1584	\$1.60	Same species (white frame)	
1585	\$1.70	Same species (white frame)	
1586	\$2.40	Same species (white frame)	
1587a	\$1	Bristle-thighed Curlew, <i>Numenius tahitiensis</i> (w/o white frame)	Scolopacidae
1587b	\$1.60	Same species (w/o white frame)	
1587c	\$1.70	Same species (w/o white frame)	
1587d	\$2.40	Same species (w/o white frame)	
1587		Strip/4 (Sc#1587a–d) (w/o white frame)	

COSTA RICA **2017 September 27** (UPAEP America) (Horiz pair) **A**

690a	420col	Great Green Macaw, <i>Ara ambiguus</i>	Psittacidae
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CUBA **2016 August 13** (Desembarco del Granda National Park) (Set/4) **A**

5837	65c	Royal Tern, <i>Thalasseus maximus</i>	Laridae
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2016 December 15 (Pico Turquino Natl Park Flora & Fauna) (Set/4) **A**

5883	75c	Western Spinalis, <i>Spindalis zena</i>	Spindalidae
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2017 March 16 (30th anniv. Guanahacabibes Peninsula Res.) (Set/4) **A**

5898	65c	Swallow-tailed Kite, <i>Elanoides forficatus</i>	Accipitridae
5899	75c	Broad-winged Hawk, <i>Buteo platypterus</i> (Cap: <i>Ictinia mississippiensis</i> , for Mississippi Kite)	Accipitridae
5900	85c	Osprey, <i>Pandion haliaetus</i>	Pandionidae
5901	90c	Peregrine Falcon, <i>Falco peregrinus</i>	Falconidae

2017 April 1 (Birds & Lighthouses) (Set/4) **A**

5903	90c	Cuban Black-Hawk, <i>Buteogallus gundlachii</i>	Accipitridae	Vol. 66(3)
5904	90c	Burrowing Owl, <i>Athene cunicularia</i> ssp. <i>arubensis</i> (subspecies previously shown on a stamp)	Strigidae	
5905	90c	Bahama Woodstar, <i>Calliphlox evelynae</i>	Trochilidae	
5906	90c	Blue-crowned Parakeet, <i>Thectocercus acuticaudatus</i> (Cap: <i>Aratinga acuticaudata neoxena</i> [a subspecies])	Psittacidae	

DJIBOUTI **2017 January 20** (Owls) (MS/4 & SS/1) **A**

1115a	280fr	L: Buff-fronted Owl, <i>Aegolius harrisii</i>	Strigidae
		R: Northern Saw-Whet Owl, <i>Aegolius acadicus</i>	Strigidae
1115b	280fr	Little Owl, <i>Athene noctua</i>	Strigidae
1115c	280fr	Great Horned Owl, <i>Bubo virginianus</i>	Strigidae

DJIBOUTI (continued)

1115d	280fr	Eurasian Pygmy-Owl, <i>Glaucidium passerinum</i>	Strigidae	
1140	SS 960fr	Marsh Owl, <i>Asio capensis</i>	Strigidae	
	Margin	ML: Great Grey Owl, <i>Strix nebulosa</i>	Strigidae	
		LL: Great Horned Owl, <i>Bubo virginianus</i>	Strigidae	
		R: Eastern Screech Owl, <i>Megascops asio</i>	Strigidae	
2017 January 20 (Birds of Prey) (MS/4 & SS/1)				A
1116a	280fr	Southern Caracara, <i>Caracara plancus</i>	Falconidae	
1116b	280fr	Northern Saw-Whet Owl, <i>Aegolius acadicus</i>	Strigidae	
1116c	280fr	Black Vulture, <i>Coragyps atratus</i>	Cathartidae	
1116d	280fr	California Condor, <i>Gymnogyps californianus</i>	Cathartidae	
1141	SS 960fr	Rough-legged Hawk, <i>Buteo lagopus</i>	Accipitridae	
	Margin	LL: Eurasian Hobby, <i>Falco subbuteo</i>	Falconidae	
		UR: Secretary Bird, <i>Sagittarius serpentarius</i>	Sagittariidae	
		LR: Southern Crested Caracara, <i>Caracara plancus</i>	Falconidae	
2017 January 20 (Water Birds) (MS/4 & SS/1)				A
1117a	280fr	Black Skimmer, <i>Rynchops niger</i>	Laridae	
1117b	280fr	Scarlet Ibis, <i>Eudocimus ruber</i>	Threskiornithidae	
1117c	280fr	Common Loon, <i>Gavia immer</i>	Gaviidae	
1117d	280fr	Painted Stork, <i>Mycteria leucocephala</i>	Ciconiidae	
1142	SS 960fr	Australian Shoveler, <i>Anas rhynchotis</i>	Anatidae	(new)
	Margin	LL & MR: Scarlet Ibis, <i>Eudocimus ruber</i>	Threskiornithidae	
2017 January 20 (Endangered Animals) (MS/4 & SS/1)				A
1123a	280fr	Ivory-billed Woodpecker, <i>Campephilus principalis</i>	Picidae	
1148	SS 960fr	Indian Vulture, <i>Gyps indicus</i>	Accipitridae	
	Margin	LL: Manipur Bush Quail, <i>Perdica manipurensis</i>	Phasianidae	
		UR: Forest Owlet, <i>Athene blewitti</i>	Strigidae	
2017 March 15 (135th anniv. Darwin's Death) (SS/1)				B
First depiction of this species was of the head only on a Bosnia/Herzegovina stamp.				
1196	SS 950fr	Medium Ground-Finch, <i>Geospiza fortis</i>	Thraupidae	
2017 July 5 (Owls) (MS/4 & SS/1)				A
1207a	240fr	Barn Owl, <i>Tyto alba</i>	Tytonidae	
1207b	240fr	Grayish Eagle-Owl, <i>Bubo cinerascens</i>	Strigidae	
1207c	240fr	Verreaux's Eagle-Owl, <i>Bubo lacteus</i>	Strigidae	
1207d	240fr	Pearl-spotted Owlet, <i>Glaucidium perlatum</i>	Strigidae	
1217	SS 950fr	African Scops-Owl, <i>Otus senegalensis</i>	Strigidae	
	Margin	two U/I owls		
2017 July 5 (Extinct Animals) (MS/4)				A
1211b	240fr	Dodo, <i>Raphus cucullatus</i>	Columbidae	
2017 July 28 (Rare Birds) (MS/4 & SS/1) (Birdpex Logo)				A
1243a	240fr	Bearded Woodpecker, <i>Dendropicos namaquus</i>	Picidae	Vol. 66(4)
1243b	240fr	Black-billed Woodhoopoe, <i>Phoeniculus somaliensis</i>	Phoeniculidae	Vol. 66(4)
1243c	240fr	Star-spotted Nightjar, <i>Caprimulgus stellatus</i>	Caprimulgidae	Vol. 66(4)
1243d	240fr	D'Arnaud's Barbet, <i>Trachyphonus darnaudii</i>	Lybiidae	Vol. 66(4)
1263	SS 950fr	Black-throated Barbet, <i>Tricholaema melanocephala</i>	Lybiidae	Vol. 66(4)
	Margin	LL: Bearded Woodpecker, <i>Dendropicos namaquus</i>	Picidae	
		UR: Hemprich's Hornbill, <i>Tockus hemprichii</i>	Bucerotidae	

DJIBOUTI (continued)		2017 September 29 (Windmills & Birds) (MS/4 & SS/1)	A
1276a	240fr	Egyptian Goose, <i>Alopochen aegyptiaca</i>	Anatidae
1276b	240fr	Eastern Kingbird, <i>Tyrannus tyrannus</i>	Tyrannidae
1276c	240fr	European Goldfinch, <i>Carduelis carduelis</i>	Fringillidae
1276d	240fr	Eurasian Blue Tit, <i>Cyanistes caeruleus</i>	Paridae
1296	SS 950fr	White Stork, <i>Ciconia ciconia</i> (also LR margin)	Ciconiidae
		2017 December 11 (Parrots) (MS/4 & SS/1)	A
1314a	240fr	Blue-and-yellow Macaw, <i>Ara ararauna</i>	Psittacidae
1314b	240fr	Rose-ringed Parakeet, <i>Psittacula krameri</i>	Psittaculidae
1314c	240fr	Blue-and-yellow Macaw, <i>Ara ararauna</i>	Psittacidae
1314c	240fr	Rosy-faced Lovebird, <i>Agapornis roseicollis</i> (Cap: <i>Elophus roseicapilla</i>)	Psittaculidae
1333	SS 950fr	Golden Parakeet, <i>Guarouba guarouba</i>	Psittacidae
	Margin	Bot: Green-cheeked Parakeet, <i>Pyrrhura molinae</i>	Psittacidae
		2017 December 11 (Bee-eaters) (MS/4 & SS/1)	A
1316a	240fr	European Bee-eater, <i>Merops apiaster</i>	Meropidae
1316b	240fr	Blue-breasted Bee-eater, <i>Merops variegates</i>	Meropidae
1316c	240fr	Rosy Bee-eater, <i>Merops malimbicus</i>	Meropidae
1316d	240fr	Black-headed Bee-eater, <i>Merops breweri</i>	Meropidae
1335	SS 950fr	Southern Carmine Bee-eater, <i>Merops nubicoides</i>	Meropidae
	Margin	LL: European Bee-eater, <i>Merops apiaster</i>	Meropidae
		UR: Olive Bee-eater, <i>Merops superciliosus</i>	Meropidae
		MR & LR: Green Bee-eater, <i>Merops orientalis</i>	Meropidae
		2017 December 11 (Owls) (MS/4 & SS/1)	A
1317a	240fr	Snowy Owl, <i>Bubo scandiacus</i>	Strigidae
1317b	240fr	Verreaux's Eagle-Owl, <i>Bubo lacteus</i>	Strigidae
1317c	240fr	Eurasian Eagle-Owl, <i>Bubo bubo</i>	Strigidae
1317d	240fr	Spotted Wood-Owl, <i>Strix seloputo</i>	Strigidae
1336	SS 950fr	Western Screech-Owl, <i>Megascops kennicottii</i>	Strigidae
	Margin	LR: Great Grey Owl, <i>Strix nebulosa</i>	Strigidae
		2017 December 11 (Climate Change) (SS/1)	A
1341	SS 950fr	Emperor Penguin, <i>Aptenodytes forsteri</i>	Spheniscidae
	Margin	UR: Arctic Tern, <i>Sterna paradisaea</i>	Laridae
FALKLAND ISLANDS		2017 March 27 (Shipwrecks) (Set/4)	C
1182	£1.01	Magellanic Cormorant, <i>Phalacrocorax magellanicus</i>	Phalacrocoracidae Vol.66(2)
FIJI		2016–17 (Surcharges) (Set/2)	A
1370	2c	Western Swamphen, <i>Porphyrio porphyrio</i> (Sc#733 surch)	Rallidae
1371	50c	Same species (Sc#733 surch)	
FINLAND		2017 May 9 (Arctic Birds) (MS/4)	A
1538a	10c	Long-tailed Duck, <i>Clangula hyemalis</i> (also in bklt pane)	Anatidae
1538b	20c	White-winged Scoter, <i>Melanitta fusca</i> (also in bklt pane)	Anatidae
1538c	(€1.30)	Brant Goose, <i>Branta bernicla</i>	Anatidae
1538d	(€1.30)	Barnacle Goose, <i>Branta leucopsis</i>	Anatidae
FRENCH SOUTHERN & ANTARCTIC TERR.		2017 October 27 (Polar Birds) (Set/2 & SS/2)	A
Joint issue with Greenland. Both issues feature the same birds of the Antarctic and Arctic.			
571	€1.41	L: South Polar Skua, <i>Stercorarius maccormicki</i> (gray frame)	Stercorariidae
		R: Arctic Tern, <i>Sterna paradisaea</i>	Laridae
572	€3.63	Emperor Penguin, <i>Aptenodytes forsteri</i> (gray frame)	Spheniscidae

FRENCH SOUTHERN & ANTARCTIC TERR. (continued)

- 573a €1 Like Sc#571 (w/o gray frame)
 573b €1.50 Like Sc#572 (w/o gray frame)
 573 SS/2+label (Sc#573a-b)

GHANA**2017 June 14** (Colorful Birds) (MS/9)**A**

Same sheet of birds issued by Zambia in year 2000. Really inventive of Ghana!

- 2942a 4ce Gouldian Finch, *Erythrura gouldiae* Estrildidae
 2942b 4ce Red-throated Parrotfinch, *Erythrura psittacea* Estrildidae
 (Cap: *Erythrura cyaneovirens*, a subspecies)
 2942c 4ce Purple Grenadier, *Granatina ianthinogaster* Estrildidae
 (Cap: *Uraeginthus ianthinogaster*)
 2942d 4ce Southern Red Bishop, *Euplectes orix* Ploceidae
 2942e 4ce Red-crested Cardinal, *Paroaria coronata* Thraupidae
 2942f 4ce Spectacled Monarch, *Symposiachrus trivirgatus* Monarchidae
 2942g 4ce Crimson Chat, *Epthianura tricolor* Meliphagidae
 2942h 4ce Greater Necklaced Laughing Thrush, *Ianthocincla pectoralis* Leiothrichidae
 (Cap: *Garrulax pectoralis*)
 2942i 4ce Chestnut-backed Jewel-Babbler, *Ptilorrhhoa castanonota* Cinclosomatidae

2017 July 21 (Animals of the World) (MS/4)**A**

- 2943a 6ce Ashy-faced Owl, *Tyto glaucops* Tytonidae

GREAT BRITAIN**2017 May 4** (Songbirds) (2ea Horiz Strip/5)**A**

- 3606 (65p) Great Tit, *Parus major* Paridae
 3607 (65p) Eurasian Wren, *Troglodytes troglodytes* Troglodytidae
 3608 (65p) Willow Warbler, *Phylloscopus trochilus* Phylloscopidae
 3609 (65p) Goldcrest, *Regulus regulus* Regulidae
 3610 (65p) Eurasian Skylark, *Alauda arvensis* Alaudidae
 3610a Horiz Strip/5 (Sc#3606-10)
 3611 (65p) Eurasian Blackcap, *Sylvia atricapilla* Sylviidae
 3612 (65p) Song Thrush, *Turdus philomelos* Turdidae
 3613 (65p) Common Nightingale, *Luscinia megarhynchos* Muscicapidae
 3614 (65p) Common Cuckoo, *Cuculus canorus* Cuculidae
 3615 (65p) Yellowhammer, *Emberiza citronella* Emberizidae
 3615a Horiz Strip/5 (Sc#3611-15)

GREAT BRITAIN (Alderney)**2017 November 8** (Christmas) (Set/7)**C**

- 585 44p European Robin, *Erithacus rubecula* Muscicapidae

GREAT BRITAIN (Guernsey)**2017 February 15** (WWF) (SS/4)**A**

Also exists in SS/8 with two imperforate examples of each issued in limited quantities and not listed in Scott.

- 1379 43p Meadow Pipit, *Anthus pratensis* Motacillidae
 1380 57p Same species
 1381 64p Same species
 1382 70p Same species
 1382a SS/4 (Sc#1379-82)

2017 November 8 (Christmas) (Set/7)**C**

- 1426 80p European Robin, *Erithacus rubecula* Muscicapidae

GREAT BRITAIN (Jersey)**2017 June 14** (Durrell & Darwin) (Set/6)**A**

- 2049 49p Mangrove Finch, *Camarhynchus heliobates* Thraupidae Vol. 66(2)

- GREAT BRITAIN (Jersey) (cont.) 2017 July 10** (200th anniv. Kaleidoscope) (SS/6) **B**
- 2059 79p Eurasian Jay, *Garrulus glandarius* Corvidae
 2061a SS/6 (Sc#2056–61)
- GREAT BRITAIN (Isle of Man) 2017 June 29** (Birds) (Set/6) **A**
- 1880 47p Eurasian Oystercatcher, *Haematopus ostralegus* Haematopodidae
 1881 80p Common Eider, *Somateria mollissima* Anatidae
 1882 98p Little Tern, *Sternula albifrons* Laridae
 1883 £1.18 Northern Fulmar, *Fulmarus glacialis* Procellariidae
 1884 £1.30 Black Guillemot, *Cephus grylle* Alcidae
 1885 £1.94 Razorbill, *Alca torda* Alcidae
- GREENLAND 2017 October 27** (Polar Birds) (Set/2 & SS/2) **A**
- Joint issue with French Southern & Antarctic Territories. Both feature the same birds of the Antarctic and Arctic.
- 763 10.50k L: South Polar Skua, *Stercorarius maccormicki* (white frame) Stercorariidae
 R: Arctic Tern, *Sterna paradisaea* Laridae
 764 27k White-tailed Eagle, *Haliaeetus albicilla* (white frame) Accipitridae
 765a 10.50k Like Sc#763 (w/o white frame)
 765b 27k Like Sc#764 (w/o white frame)
 765 SS/2+label (Sc#765a–b)
- GRENADA 2017 April 3** (Animals of the World) (MS/4) **A**
- Previously shown on a 1982 Staffa local issue
- 4233c \$6 Purple-banded Sunbird, *Cinnyris bifasciatus* Nectariniidae
- GUYANA 2017 April 4** (Animals of the World) (MS/4) **A**
- 4513d \$500 Red Bird-of-Paradise, *Paradisaea rubra* Paradisaeidae
- 2017 August 7** (Toucans) (MS/4 & SS/2) **A**
- 4515a \$400 Yellow-throated Toucan, *Ramphastos ambiguus* Ramphastidae
 4515b \$400 Toco Toucan, *Ramphastos toco* Ramphastidae
 4515c \$400 Keel-billed Toucan, *Ramphastos sulfuratus* Ramphastidae
 4515d \$400 White-throated Toucan, *Ramphastos tucanus* Ramphastidae
 4516a SS \$600 Keel-billed Toucan, *Ramphastos sulfuratus* (black denom) Ramphastidae
 4516b SS \$600 Same species (white denom)
- INDIA 2017 January 25** (Indian Fauna) (Set/6 & SS/6) **S B U**
- 2899 5r Indian Peafowl, *Pavo cristatus* (perf 13¾×13½) Phasianidae
 2901 5r U/I Crane species (perf 13¾×13½) Gruidae
 2902 5r Indian Peafowl, *Pavo cristatus* (w/ tiger) (perf 13¾×13½) Phasianidae
 2899a 5r Like Sc#2899 (perf 13¾)
 2901a 5r Like Sc#2901 (perf 13¾)
 2902a 5r Like Sc#2902 (perf 13¾)
 2904b SS/6 (Sc#2899a–2904a)
- 2017 September 18** (Vulnerable Birds) (Set/3 & SS/3) **A**
- 2958 5r Nilgiri Wood-Pigeon, *Columba elphinstonii* (perf 13½×13¾) Columbidae Vol. 66(4)
 2959 5r Broad-tailed Grassbird, *Schoenicola platyurus* (perf 13½×13¾) Locustellidae Vol. 66(4)
 2960 5r Nilgiri Pipit, *Anthus nilghiriensis* (perf 13½×13¾) Motacillidae Vol. 66(4)
 2958a 5r Like Sc#2958 (perf 13¾)
 2959a 5r Like Sc#2959 (perf 13¾)
 2960a 5r Like Sc#2960 (perf 13¾)
 2960b SS/3 (Sc#2958a–60a)

LIECHTENSTEIN		2017 November 13 (WWF) (Set/4)		A
1735	150rp	White Stork, <i>Ciconia ciconia</i>	Ciconiidae	
MARSHALL ISLANDS		2017 December 11 (Recovered Birds) (MS/10+2 labels)		A
1169a	49c	Bald Eagle, <i>Haliaeetus leucocephalus</i>	Accipitridae	
1169b	49c	Hawaiian Goose, <i>Branta sandvicensis</i>	Anatidae	
1169c	49c	Wood Stork, <i>Mycteria americana</i>	Ciconiidae	
1169d	49c	California Condor, <i>Gymnogyps californianus</i>	Cathartidae	
1169e	49c	Piping Plover, <i>Charadrius melodus</i>	Charadriidae	
1169f	49c	Palau Ground-Dove, <i>Gallicolumba canifrons</i>	Columbidae	
1169g	49c	Peregrine Falcon, <i>Falco peregrinus</i>	Falconidae	
1169h	49c	Kirtland's Warbler, <i>Setophaga kirtlandii</i>	Parulidae	
1169i	49c	Whooping Crane, <i>Grus americana</i>	Gruidae	
1169j	49c	Brown Pelican, <i>Pelecanus occidentalis</i>	Pelecanidae	
ST. KITTS		2017 June 7 (Animals of the World) (MS/4)		A
963b	\$5	Flightless Steamer-Duck, <i>Tachyeres pteneres</i>	Anatidae	
SOUTH SUDAN		2017 September 15 (Surcharges on 2012 issues)		A
15	£50	Lammergeier, <i>Gypaetus barbatus</i> (Sc#4 surch)	Accipitridae	
16	£75	Same species (Sc#4 surch) (four short bars)		
17	£100	Same species (Sc#4 surch)		
18	£300	Same species (Sc#4 surch)		
19	£75	Same species (Sc#4 surch) (three short and one long bars)		
20	£50	Saddle-billed Stork, <i>Ephippiorhynchus senegalus</i> (Sc#5 surch)	Ciconiidae	
21	£75	Same species (Sc#5 surch)		
22	£150	Same species (Sc#5 surch)		
23	150£	Shoebill, <i>Balaeniceps rex</i> (Sc#3 surch in white on blue)	Balaenicipitidae	
24	150£	Same species (Sc#3 surch in black on gold)		
25	150£	Same species (Sc#3 surch in black on silver)		
26	250£	Same species (Sc#3 surch in black on gold)		

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NEW BIRDS IN THE PHILATELIC AVIARY

Charles E. Braun, BU1364

New Birds



AUSTRALIAN SHOVELER, *Anas rhynchotis* Anatidae

Djibouti, 2017 January 30, Sc#1142, SS 950fr (previously on a New Zealand duck stamp)

Length: 18 to 22 inches, migratory. The male (shown) is blackish above and spotted rufous below with a bluish head and a speckled brownish breast. The female is light brown, heavily speckled below.

Habitat: Vegetated wetlands.

Range: Breeds in New Zealand, southeastern and southwestern Australia, and Tasmania. Winters in New Zealand and southwestern and eastern Australia.

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



ORANGE-FOOTED SCRUBFOWL, *Megapodius reinwardt* Megapodiidae

Tonga, 2018, not yet cataloged, \$1

Length: 14 to 19 inches, sexes alike, resident. Brown above and gray below with a brown crest and orange to pinkish-red legs and feet.

Habitat: Wooded areas.

Range: Lesser Sundas and Moluccas to northern Australia.

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



COQUI FRANCOLIN, *Francolinus coqui* Phasianidae

Namibia, 2018 May 18, not yet cataloged, "Zone B" (previously on a Local from Bernera)

Length: 8 to 10 inches, resident. The male (shown) is brown above and densely barred white below with an ochre head. The female has a patterned head.

Habitat: Savanna and wooded grassland.

Range: West Africa and Ethiopia to central South Africa.

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



ORANGE RIVER FRANCOLIN, *Francolinus levallantoides* Phasianidae

Namibia, 2018 May 18, not yet cataloged, "Inland Registered Mail"

Length: 13 inches, sexes alike, resident. Brown above and spotted white or rufous below with a white throat.

Habitat: Grassland and woodland.

Range: Sudan to Uganda and Angola to South Africa.

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



SWAINSON'S FRANCOLIN, *Francolinus swainsonii* Phasianidae
Namibia, 2018 May 18, not yet cataloged, "Postcard Rate"

Length: 13 to 15 inches, sexes similar, but the female is darker and more heavily patterned, resident. Black-streaked brown, paler below with a red face and throat.
Habitat: Savanna and bush, near water.

Range: Angola to Mozambique and South Africa.

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



NEW ZEALAND QUAIL, *Coturnix novaezelandiae* Phasianidae
Central African Republic, 2016 November 21, not yet cataloged (Mi#6554), SS 2650fr (UR margin)

Length: 8 inches, sexes similar, resident. Streaky dark brown with a rufous face.
Habitat: Scrubland.

Range: Formerly New Zealand. Extinct since 1875.

Reference: Day, D., *Vanished Species*.



TITICACA GREBE, *Rollandia microptera* Podicipedidae
Central African Republic, 2018 January 16, not yet cataloged (Mi#7582), 850fr

Length: 10 to 14 inches, sexes similar, resident. Gray above and speckled below with a white chin and throat and rufous breast.

Habitat: Large open montane lakes.

Range: Southeastern Peru and western Bolivia.

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



HAWAIIAN PETREL, *Pterodroma sandwichensis* Procellariidae
Aitutaki, 2018, not yet cataloged, \$1

Length: 17 inches, sexes alike, pelagic. Very dark above and white below with a black axillary patch.

Habitat: Breeds on thickly vegetated high ground; otherwise marine, well away from land.

Range: Hawaiian Islands.

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



SHORT-TAILED SHEARWATER, *Puffinus tenuirostris* Procellariidae
Cook Islands, 2018, not yet cataloged, \$1

Length: 16 to 18 inches, sexes alike, marine. Brown, paler below with grayish underwings.

Habitat: Breeds in grassland, vegetated areas, and on cliffs, otherwise marine.

Range: Breeds off Tasmania and southern Australia. Ranges to the north, central, and western Pacific.

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



TROPICAL SHEARWATER, *Puffinus bailloni* Procellariidae
Cook Islands, 2018, not yet cataloged, \$1

Length: 11 to 13 inches, sexes alike, marine. Brown above and white below with brown edges on the underwings and pink legs.

Habitat: Breeds on oceanic islands and coral atolls, otherwise marine.

Range: Breeds on the Mascarene Island and ranges in the western Indian Ocean.

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



RED RAIL, *Aphanapteryx bonasia* Rallidae
Sierra Leone, 2018 February 27, not yet cataloged, 9800le

Length: 30 inches, sexes alike, resident. All brownish red.

Habitat: Wetlands.

Range: Formerly Mauritius. Extinct around 1680

Reference: Day, D., *Vanished Species.*



RED-CAPPED PLOVER, *Charadrius ruficapilla* Charadriidae
Tonga (Niuafou'ou), 2018, not yet cataloged, \$1

Length: 6 inches, sexes similar, resident. Brown above and white below with a red cap, white forehead and supercilium, and dark neck patch.

Habitat: Beaches and wetlands.

Range: Australia.

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



MARBLED GODWIT, *Limosa fedoa* Scolopacidae
Penrhyn, 2018, not yet cataloged, \$1

Length: 17 to 19 inches, sexes similar, migratory. Brown-streaked and black-spotted cinnamon-buff above and brown-streaked cinnamon below with a pale face and dark eyestripe.

Habitat: Breeds in wet meadows and grasslands. Winters in coastal wetlands and savannas.

Range: Breeds from Alaska to Montana and Minnesota. Winters from Washington to Venezuela and along the east coast from North Carolina to Florida and Central America.

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



COMMON SANDPIPER, *Actitis hypoleucos* Scolopacidae
Penrhyn, 2018, not yet cataloged, \$1

Length: 8 inches, sexes alike, migratory. Streaked greenish-brown above and white below with streaked tan breast patches.

Habitat: Edges of water bodies.

Range: Breeds throughout Eurasia. Winters from southern Spain to southern China, South Africa, and Australia.

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



SRI LANKA BAY-OWL, *Phodilus assimilis* Tytonidae
Surinam, 2018 January 3, not yet cataloged, \$14

Length: 9 to 13 inches, sexes alike, resident. Dark-brown-speckled chestnut-bay above and black-spotted pinkish-buff below with a squarish pale grayish-pink facial disc.

Habitat: Wet lowland and lower hills.

Range: Central and southern Sri Lanka.

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



CONGO BAY-OWL, *Phodilus prigoginei* Tytonidae
Surinam, 2018 January 3, not yet cataloged, \$20

Length: 8 to 12 inches, sexes alike, resident. Deep rufous-brown above with small black-edged white spots and finely dark-brown spotted pale rufous below with a light rufous-buff facial disc.

Habitat: Montane forest interspersed with bamboo thicket and grassland.

Range: Extreme eastern Zaire.

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



ANDAMAN SCOPS-OWL, *Otus balli* Strigidae
Surinam, 2018 January 3, not yet cataloged, \$11

Length: 7 inches, sexes alike, resident. Gray-brown or rufous above with black and whitish spots and finely vermiculated paler below, with a whitish facial disc and ear tufts.

Habitat: Semi-open areas.

Range: Andaman Islands, India.

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



AMAZONIAN PYGMY-OWL, *Glaucidium hardyi* Strigidae
Surinam, 2018 January 3, not yet cataloged, \$9

Length: 6 inches, sexes alike, resident. Grayish rufous-brown above and cinnamon-brown-streaked white below with a white-spotted brownish-gray head.

Habitat: Humid evergreen rainforest.

Range: Southeastern Venezuela and the Guianas to south-central Brazil and eastern Bolivia.

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



ALBERTINE OWLET, *Glaucidium albertinum* Strigidae
Surinam, 2018 January 3, not yet cataloged, \$6

Length: 8 inches, sexes alike, resident. Maroon-brown above and maroon-brown spotted white below with a barred upper chest and a cream-spotted head.

Habitat: Montane forest.

Range: Eastern Zaire and northern Rwanda.

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



ANDAMAN BOOBOOK, *Ninox affinis* Strigidae
Surinam, 2018 January 3, not yet cataloged, \$10

Length: 10 to 11 inches, sexes similar, resident. Dark brown above and brown-barred white below with a round brown head, tan-gray facial disc and white eyebrows.

Habitat: Forest, mangroves, and rubber plantations.

Range: Andaman and Nicobar Islands, India.

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



BLACK-BILLED MOUNTAIN-TOUCAN, *Andigena nigricollis* Ramphastidae
Central African Republic, 2017 December 20, not yet cataloged (Mi#7486), 900fr

Length: 19 to 20 inches, sexes alike, resident. Bronzy above and pale blue below with a black cap and tail, white throat and yellow rump and around the eyes.

Habitat: Forest, thickets and areas with scattered trees.

Range: Western Venezuela to northern Peru.

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



FIERY-BILLED ARACARI, *Pteroglossus frantzii* Ramphastidae
Central African Republic, 2017 December 20, not yet cataloged (Mi#7485), 900fr

Length: 18 inches, sexes alike, resident. Blue-green above and yellow below with a red rump and belly band, black head, and green wings.

Habitat: Forest and forest edges.

Range: Western Costa Rica and Panama.

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



CURL-CRESTED ARACARI, *Pteroglossus beauharnaesii*

Ramphastidae

Central African Republic, 2017 December 20, not yet cataloged (Mi#7489), SS 3600fr (R margin)

Length: 17 to 18 inches, sexes alike, resident. Dark green above and yellow below with a red nape, rump, and belly band and a black curly cap and a speckled white throat.

Habitat: Lowland forest and forest edges.

Range: Northwestern Peru and Bolivia to central Brazil.

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



CRYPTIC FOREST-FALCON, *Micrastur mintoni* Falconidae

Central African Republic, 2016 November 21, not yet cataloged (Mi#6604), SS 2650fr (UR margin)

Length: 12 to 14 inches, sexes alike, resident. Slate-gray above and finely-barred gray below with a red face and one white tail band.

Habitat: Lowland forest.

Range: Northeastern Amazonian Brazil to northeastern Bolivia.

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



ANTIPODES PARAKEET, *Cyanoramphus unicolor* Psittaculidae

Tonga (Niufo'ou), 2018, not yet cataloged, \$1

Length: 12 inches, sexes alike, resident. Green with purplish-blue in the wings.

Habitat: Coastal slopes and along water.

Range: Antipodes, off New Zealand

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



BRONZE-WINGED PARROT, *Pionus chalcopterus* Psittacidae

Sierra Leone, 2018 February 27, not yet cataloged, SS 40000le (R margin)

Length: 11 inches, sexes alike, resident. Dark navy blue with a yellow bill, bronze wings, and a red undertail.

Habitat: Humid foothills and highland forest and woodland.

Range: Western Venezuela to Peru.

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

**BLACK MAMO, *Drepanis funerea*** Fringillidae

Central African Republic, 2016 November 21, not yet cataloged (Mi#6554), SS 2650fr (LL margin).

Length: 8 inches, sexes alike, resident. Black with white primaries and a long decurved bill.

Habitat: Understory.

Range: Formerly Molokai, Hawaii. Extinct in 1907.

Reference: Day, D., *Vanished Species*.

**DOUBLE-BARRED FINCH, *Taeniopygia bichenovii*** Estrildidae

Australia, 2018 March 16, not yet cataloged, \$1

Length: 4 inches, sexes alike, resident. Brown above and creamy-white below with a black-bordered white face and a thin black band across the lower breast.

Habitat: Woodland and scrubland.

Range: Northern and eastern Australia.

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

of the World, Volume 15.

NETHERLANDS SUMMER STAMPS

(*Linn's Stamp News*) Netherlands will issue a pane of ten stamps on 4 June 2018. The stamps represent the season of summer in their Experience Nature series.

This series began on 2 January with a pane of ten stamps depicting reptiles and amphibians and representing the winter season. A second pane of ten was issued on 9 April featuring wildflowers representing spring. The set will conclude on 17 September with a pane showing mushrooms (autumn).

Frank Janse designed the stamps using nature photographs from Pixfactory. The stamps were printed by Royal Joh. Enschedé using offset.

From upper left the stamps show a Garden Tiger Moth caterpillar (*Arctia caja*), Minstrel Bug (*Graphosoma lineatum*), Cockchafer (*Melolontha melolontha*), Black Garden Ant (*Lasius niger*), Elephant Hawkmoth caterpillar (*Deilephila elpenor*), 22-spot Ladybird (*Psyllobora vigintiduopunctata*), Emerald Damselfly (*Lestes sponsa*), Diadem Spider (*Araneus diadematus*), Small Copper butterfly (*Lycaena phlaeas*), and Marsh Grasshopper (*Stethophyma grossum*).

Silhouette drawings of additional insects, including the Red Asparagus Beetle (*Crioceris duodecimpunctata*), Musk Beetle (*Aromia moschata*), Dark Whiteface Dragonfly (*Leucorrhinia albifrons*), Small Emperor Moth (*Saturnia pavonia*), and Colorado Potato Beetle (*Leptinotarsa decemlineata*), also are pictured on the stamps.

All stamps pay the basic domestic rate for letters up to 20 grams.



PIPEX 2018

The Pacific International Philatelic Exhibition (PIPEX), the annual stamp show sponsored by the Northwest Federation of Stamp Clubs, was held on 11–13 May 2018, at the Red Lion Hotel on the River in Portland, Oregon. This was the 75th edition of the show. The Great Britain Collectors Club and Iran Philatelic Study Circle held their annual conventions at the show.

The show featured 35 stamp dealers and 242 frames of philatelic exhibits including 49 competitive exhibits from 35 different exhibitors. Nine of these exhibits had themes or material related directly to a biological topic.

Michael Bloom received a Large Gold award and won the One Frame Grand Award for “Guatemala: The UPU Resplendent Quetzals 1881–1886,” a traditional exhibit of the Resplendent Quetzal stamps. As a World Series of Philately (WSP) show, the winner of the single frame grand award is expected to enter the Champion of Champions competition at AmeriStamp Expo 2019 in Mesa, Arizona.

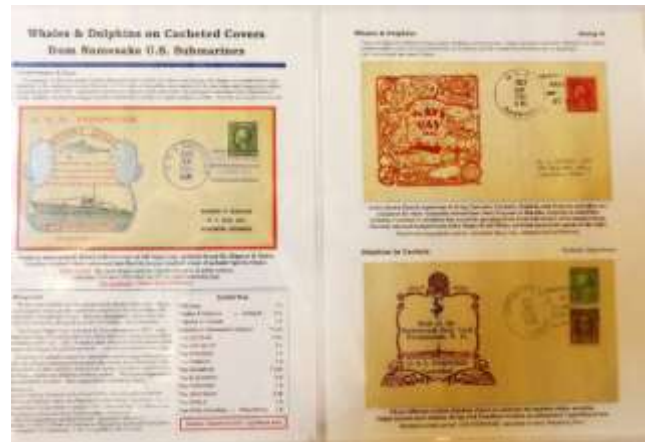


Amelia Kelbert, a youth exhibitor from Calgary, Alberta, received a Large Gold and won the ATA Youth Award and American Association of Philatelic Exhibitors (AAPE) Youth First Ribbon for “The World of the Monarch Butterfly (*Danaus plexippus*).” There were not enough qualified Youth exhibits to grant a Youth Grand Award. However, PIPEX presented each youth exhibitor with a \$50 gift certificate from Barnes & Noble.

Unit member Fran Adams received a Gold award for “Dino Indicia,” an exhibit showing “Dino” the Sinclair Oil Corporation dinosaur and the initial postage meter designs. Clifford Armstrong received a Gold award and the AAPE Novice Award for “Washington State Apple Tax Stamps.”

Alistair Watson received a Gold award along with the ATA First Place Medal and ATA One Frame Merit Award for “The Blue Whale.” Watson also received a Large Vermeil award for “Whales & Dolphins on Cacheted Covers from Namesake U.S. Submarines,” an illustrated mail exhibit of covers from all 14 submarines so named.

Donna Trathen received a Large Vermeil award and the ATA Second Place Medal for “Horses: Orgin, Breeds, and Roles,” showing the many different breeds and conservation efforts.



Janice Brookes received a Large Vermeil award and the ATA Third Place Medal for “The Evolution of the World Wildlife Fund Logo.”

Cathie Stumpenhous, another member of the Biology Unit, received a Silver award along with the Robert Benninghoff Award and the Northwest Federation Thunderbird Award for “Lovely as a Tree: A Celebration of Trees.” The Benninghoff Award included a copy of Steve Zwillinger’s *The Path to Gold* book on exhibiting tips.



PIPEX 2019 will be held at the same venue on 10–12 May.



HERPETOLOGY

Associate Editor

Dick Roman, LM83

New Listings



[Ed. Note: Occasionally in this section and also in the Fungi section, we will note a species that is known to be poisonous or venomous by marking it with a (☞) symbol. One should not infer that other species that are not so marked are non-poisonous or non-venomous or safe to handle/eat.]

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
AITUTAKI 2017 December 5 (Christmas) (Horiz pair)				
661b	\$2.40	Stylized Sea Turtle silhouette		S B
ANDORRA (French) 2017 November 13 (Flora Type of 2011) (Set/2)				
783	€1.10	Fire Salamander, <i>Salamandra salamandra</i>	Salamandridae, Salamandrinae	A
BELIZE 2017 September 27 (35th anniv. Relations w/ Mexico) (Set/2)				
1244	25c	Tiny Rattlesnake (Mexican flag coat of arms)		U C
1245	60c	Tiny Rattlesnake (Mexican flag coat of arms)		U C
CHILE 2017 September 14 (75th anniv. Mexico School) (Single)				
1652	360p	Tiny Rattlesnake (Mexican coat of arms) (w/ murals)		U C
CHRISTMAS ISLAND 2017 January 1 (New Year of the Rooster) (MS/14 & Bklt/4)				
558j	50c	Stylized Snake		S
558q		Bklt/4 (Sc#558j-k & 2ea Sc#556)		
558		MS/14 (Sc#556-57 & Sc#558a-1)		
2017 November 1 (Christmas) (SS/2)				
563a	Margin	LL: Stylized Sea Turtle (w/ elf)		S Z
COLOMBIA 2017 August 31 (150th anniv. Natl University of Colombia) (MS/12)				
1463i		Stylized Snake (Bowl of Hygeia) (health sciences)		S B
1463		MS/12+8 labels (Sc#1463a-1)		
DJIBOUTI 2017 January 20 (Owls) (MS/4)				
1115c	280fr	U/I Snake (w/ <i>Bubo virginianus</i>)		U B
2017 January 20 (Birds of Prey) (MS/4)				
1116c	280fr	U/I dead Crocodile (w/ <i>Coragyps atratus</i>)		U B
2017 January 20 (Turtles) (MS/4 & SS/1)				
1120a	280fr	Burmese Roofed Turtle, <i>Batagur trivittata</i>	Geoemydidae	A
1120b	280fr	Mata Mata, <i>Chelus fimbriatus</i>	Chelidae	A
1120c	280fr	Kemp's Ridley Sea Turtle, <i>Lepidochelys kempii</i>	Cheloniidae	A
1120d	280fr	Olive Ridley Sea Turtle, <i>Lepidochelys olivacea</i>	Cheloniidae	A
1145	SS 960fr	Galápagos Giant Tortoise, <i>Geochelone elephantopus</i>	Testudinidae	A
	Margin	UR: Hawksbill Sea Turtle, <i>Eretmochelys imbricata</i>	Cheloniidae	Z
		Bot: Green Sea Turtle, <i>Chelonia mydas</i>	Cheloniidae	Z
2017 January 20 (Snakes) (MS/4 & SS/1)				
1121a	280fr	Gopher Snake, <i>Pituophis catenifer</i>	Colubridae, Colubrinae	A
1121b	280fr	Ringneck Snake, <i>Diadophis punctatus</i>	Colubridae, Dipsadinae	A
1121c	280fr	Brazilian False Coral Snake, <i>Oxyrhopus trigeminus</i>	Colubridae, Dipsadinae	A

DJIBOUTI (continued)

1121d	280fr	European Grass Snake, <i>Natrix natrix</i>	Colubridae, Natricinae	A
1146	SS 960fr	Equatorial Spitting Cobra, <i>Naja sumatrana</i> (♀)	Elapidae	A
	Margin	UR: Green Tree Python, <i>Morelia viridis</i>	Pythonidae	Z
		MR: Eastern Green Mamba, <i>Dendroaspis angusticeps</i> (♀)	Elapidae	Z
		LL: Rough-scaled Bush Viper, <i>Atheris hispida</i> (♀)	Viperidae	Z

2017 March 15 (Komodo Dragon) (MS/4 & SS/1)

1152a	240fr	Komodo Dragon, <i>Varanus komodoensis</i> (head down)	Varanidae, Platynota	A
1152b	240fr	Same species (head raised no tongue)		A
1152c	240fr	Same species (climbing rock)		A
1152d	240fr	Same species (head raised, tongue out)		A
	Margin	Top: Same species (shaped stamp)		Z
1153	SS 950fr	Komodo Dragon, <i>Varanus komodoensis</i>	Varanidae, Platynota	A
	Margin	R: Same species (shaped stamp)		Z

2017 March 15 (Darwin) (MS/4 & SS/1)

1172b	240fr	Galápagos Land Iguana, <i>Conolophus subcristatus</i> (w/ ship)	Iguanidae, Iguania	B
1196	SS 950fr	LL: Galápagos Land Iguana, <i>Conolophus subcristatus</i>	Iguanidae, Iguania	Z

2017 March 15 (Endangered Species) (MS/4 & SS/1)

1177a	240fr	Blue Anole, <i>Anolis gorgonae</i>	Polychrotidae, Iguania	A
1177b	240fr	Horned Anole, <i>Anolis proboscis</i>	Polychrotidae, Iguania	A
1177c	240fr	Kaiser's Spotted Newt, <i>Neurergus kaiseri</i>	Salamandridae, Pleurodelinae	A
1177d	240fr	Tokay Gecko, <i>Gekko gekko</i>	Gekkonidae	A
1201	SS 950fr	Kaiser's Spotted Newt, <i>Neurergus kaiseri</i>	Salamandridae	A
	Margin	R & Bot: Same species		Z

2017 July 5 (Turtles) (MS/4 & SS/1)

1210a	240fr	False Map Turtle, <i>Graptemys pseudogeographica</i> ssp. <i>kohnii</i>	Emydidae, Deirochelyinae	A
1210b	240fr	Painted Wood Turtle, <i>Rhinoclemmys pulcherrima</i>	Geoemydidae	A
1210c	240fr	Yellow-bellied Slider, <i>Trachemys scripta</i> ssp. <i>scripta</i>	Emydidae, Deirochelyinae	A
1210d	240fr	Red-eared Slider, <i>Trachemys scripta</i> ssp. <i>elegans</i>	Emydidae, Deirochelyinae	A
1220	SS 950fr	Smooth Softshell Turtle, <i>Apalone mutica</i>	Trionychidae	A
	Margin	LR: Wood Turtle, <i>Glyptemys insculpta</i>	Emydidae	Z

2017 December 11 (Turtles) (MS/4)

1319a	240fr	Aldabra Giant Tortoise, <i>Aldabrachelys gigantea</i>	Testudinidae	A
1319b	240fr	Diamondback Terrapin, <i>Malaclemys terrapin</i>	Emydidae, Deirochelyinae	A
1319c	240fr	Red-eared Slider, <i>Trachemys scripta</i> ssp. <i>elegans</i>	Emydidae, Deirochelyinae	A
1319d	240fr	Green Sea Turtle, <i>Chelonia mydas</i>	Cheloniidae	A
1338	SS 950fr	Common Map Turtle, <i>Graptemys geographica</i>	Emydidae, Deirochelyinae	A
	Margin	UR: Hermann's Tortoise, <i>Testudo hermanni</i>	Testudinidae	Z
		Bot: Galápagos Tortoise, <i>Geochelone nigra</i>	Testudinidae	Z

ECUADOR**2017 October 24** (Darwin & Wolf Islands Marine Sanctuary) (Bklt/8)

2200f	75c	Green Sea Turtle, <i>Chelonia mydas</i>	Cheloniidae	A
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EGYPT**2016 December 2** (125th anniv. Giza Zoo) (MS/8)

2171d	£2	U/I Crocodile	Crocodylidae	U A
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FRANCE**2017 January 28** (New Year 2017: Year of Rooster) (Bklt/12)

5173	(73c)	Stylized Cobra snake	Elapidae	S
5179a		Bklt/12 (Sc#5168–79)		

FRENCH SOUTHERN & ANTARCTIC TERR**2017 March 9** (Silhouettes of Emblems) (MS/4)

568a	(€1.24)	Stylized Sea Turtle silhouette		S B
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F.S.A.T. (continued)		2017 May 12 (Ship <i>Marion Dufresne</i>) (Single)		
569	(€1.24)	Stylized Sea Turtle silhouette		S C
		2017 November 30 (Birds & Reptiles) (MS/4)		
574b	85c	a skink, <i>Trachylepis infralineata</i> (diamond shape)	Scincidae	A
574d	€1.45	Green Sea Turtle, <i>Chelonia mydas</i> (circular shape)	Cheloniidae	A
GAMBIA		2017 June 7 (Animals of the World) (MS/4)		
3744b	85d	Bog Turtle, <i>Glyptemys muhlenbergii</i>	Emydidae, Emydinae	A
GREAT BRITAIN		2017 September 14 (Ladybird Books) (Horiz Pair)		
3652	£1.40	Toy Snake (Hobbies and How it Works)		S B
GREAT BRITAIN (Jersey)		2017 June 14 (Darwin) (Set/6)		
2051	73p	Telfair's Skink, <i>Leiopisma telfairii</i>	Scincidae	A
2052	79p	Mountain Chicken, <i>Leptodactylus fallax</i>	Leptodactylidae	A
GRENADA		2017 April 3 (Animals of the World) (MS/4)		
4233a	\$6	Western Caspian Turtle, <i>Mauremys rivulata</i>	Geoemydidae	A
		2017 August 8 (Chinese Zodiac Animals) (MS/12)		
4241f	\$1.80	Stylized Snake (Zodiac symbol)		S
GRENADA GRENADINES		2017 August 8 (Chinese Zodiac Animals) (MS/12)		
2986f	\$1.80	Stylized Snake (Zodiac symbol)		S
GUYANA		2017 April 14 (Animals of the World) (MS/4)		
4513b	\$500	Poison Dart Frog, <i>Dendrobates auratus</i>	Dendrobatidae	A
		2017 December 26 (Wildlife of the Galápagos Islands) (MS/6)		
4528c	\$250	Galápagos Marine Iguana, <i>Amblyrhynchus cristatus</i>	Iguanidae, Iguania	A
4529	SS \$800	Aldabra Giant Tortoise, <i>Aldabrachelys gigantea</i>	Testudinidae	A
INDIA		2017 November 27 (Mahabharat) (MS/18 & SS/1)		
2977	Margin	UL: Stylized Turtle		S Z
2977t	SS 100t	Bot: Stylized Lizard		S Z
ISRAEL		2017 December 19 (Snakes) (Horiz Strip/3)		
2168a	4.10s	Large Whip Snake, <i>Dolichophis jugularis</i>	Colubridae, Colubrinae	A
2168b	4.10s	Schokari Sand Racer, <i>Psammodromus schokari</i>	Lamprophiidae	A
2168c	4.10s	Palestine Viper, <i>Vipera palaestinae</i> (♀) (Cap: <i>Daboia p.</i>)	Viperidae	A
IVORY COAST		2014 March 10 (Turtles) (MS/4 & SS/1)		
1215a	250fr	Hawksbill Sea Turtle, <i>Eretmochelys imbricata</i>	Cheloniidae	A
1215b	350fr	Olive Ridley Sea Turtle, <i>Lepidochelys olivacea</i>	Cheloniidae	A
1215c	500fr	Olive Ridley Sea Turtle (different), <i>Lepidochelys olivacea</i>	Cheloniidae	A
1215d	750fr	Red-footed Tortoise, <i>Chelonoidis carbonaria</i>	Testudinidae	A
1239	SS 2500fr	Leatherback Sea Turtle, <i>Dermochelys coriacea</i>	Dermochelyidae	A
	Margin	ML: Green Sea Turtle, <i>Chelonia mydas</i>	Cheloniidae	Z
		Bot: Leatherback Sea Turtle, <i>Dermochelys coriacea</i>	Dermochelyidae	Z
		2014 March 10 (Snakes & Lizards) (MS/4 & SS/1)		
1216a	250fr	Emerald Snake, <i>Hapsidophrys smaragdina</i>	Colubridae, Colubrinae	A
1216b	350fr	Senegal Mabuya, <i>Trachylepis affinis</i>	Scincidae, Mabuyinae	A
1216c	500fr	Red Worm Lizard, <i>Amphisbaena alba</i> (Cap: Squamata Amphisbaena)	Amphisbaenidae	A
1216d	750fr	White-bellied Worm Snake, <i>Myriopholis albiventer</i>	Leptotyphlopidae, Leptotyphlopinae	A
1240	SS 2500fr	African Five-lined Skink, <i>Trachylepis quinquetaeniata</i>	Scincidae, Mabuyinae	A
	Margin	UL & ML & Bot: Same species (juvenile)		Z

IVORY COAST (continued)		2014 March 10 (Frogs) (MS/4 & SS/1)		
1217a	250fr	no common name, <i>Hylarana occidentalis</i>	Ranidae	A
1217b	350fr	Ornate frog, <i>Hildebrandtia ornate</i>	Ptychadenidae	A
1217c	500fr	no common name, <i>Hyperolius fusciventris</i>	Hyperoliidae	A
1217d	750fr	no common name, <i>Phrynomantis microps</i>	Microhylidae, Phrynomerinae	A
1241	SS 2500fr	no common name, <i>Kassina arboricola</i>	Hyperoliidae	A
JAPAN		2017 March 3 (Southern Hemisphere Constellations) (MS/10)		
4086i	82¥	Stylized Chameleon silhouette		S
KOREA (South)		2016 November 10 (Joseon Dynasty Seals) (Horiz Strip/4 & SS/4)		
2479a	300w	Stylized Turtle seal (blue bkgrd)		S
2479b	300w	Stylized Turtle seal (green bkgrd)		S
2479c	300w	Stylized Turtle seal (orange bkgrd)		S
2479e		SS/4 (Sc#2479a–d)		
MACEDONIA		2017 April 28 (Iguana) (Single)		
740	144d	Common Green Iguana, <i>Iguana iguana</i>	Iguanidae, Iguania	A
MALAYSIA		2017 November 21 (Tourist Destinations) (Vert Pair)		
1720b	60c	Green Sea Turtle, <i>Chelonia mydas</i> (w/ reef)	Cheloniidae	B
MALDIVIVE ISLANDS		2015 January 28 (Turtles) (MS/4 & SS/1)		
3328a	22r	Olive Ridley Sea Turtle, <i>Lepidochelys olivacea</i>	Cheloniidae	A
3328b	22r	Hawksbill Sea Turtle, <i>Eretmochelys imbricata</i>	Cheloniidae	A
3328c	22r	Green Sea Turtle, <i>Chelonia mydas</i>	Cheloniidae	A
3328d	22r	Indian Flap-shelled Turtle, <i>Lissemys punctata</i>	Trionychidae	A
	Margin	Ctr-Top: Green Sea Turtle, <i>Chelonia mydas</i>	Cheloniidae	Z
		Ctr-Bot: Hawksbill Sea Turtle, <i>Eretmochelys imbricata</i>	Cheloniidae	Z
3338	SS 70r	Indian Roofed Turtle, <i>Pangshura tecta</i>	Geoemydidae	A
	Margin	L & R: Green Sea Turtle, <i>Chelonia mydas</i>	Cheloniidae	Z
		2015 February 1 (Resorts) (Set/5)		
3360	15r	Komodo Dragon, <i>Varanus komodoensis</i> (tiny silhouette)	Varanidae, Platynota	C
MARSHALL ISLANDS		2018 January 1 (Marine Life) (Set/4)		
1171	50c	Green Sea Turtle, <i>Chelonia mydas</i>	Cheloniidae	A
NEVIS		2017 December 4 (Coral Reef Inhabitants) (MS/6 & SS/1)		
1933c	\$4	Green Turtle, <i>Chelonia mydas</i>	Cheloniidae	A
1935	SS \$12	Green Turtle, <i>Chelonia mydas</i> (also UR margin)	Cheloniidae	A Z
PALAU		2017 May 15 (Animals of the World) (MS/4)		
1361a	\$2	Waxy Monkey Tree Frog, <i>Phyllomedusa sauvagii</i>	Hylidae, Phyllomedusinae	A
1361d	\$2	Yellow-bellied Slider, <i>Trachemys scripta ssp. scripta</i>	Emydidae, Deirochelyinae	A
ST. KITTS		2017 June 7 (Animals of the World) (SS/1)		
964 SS	\$10	Silverstone's Poison Frog, <i>Ameerega silverstonei</i> (♀)	Dendrobatidae, Colostethinae	A
UNITED NATIONS		2018 March 2 (Endangered Species) (Block/4)		
1190	\$1.15	Kaiser's Spotted Newt, <i>Neurergus kaiseri</i> (Cap: Lurestan)	Salamandridae, Pleurodelinae	A
UNITED NATIONS (Vienna)		2018 March 2 (Endangered Species) (Block/4)		
617	80c	no common name, <i>Mantella madagascariensis</i>	Mantellidae, Mantellinae	A
618	80c	Assam Roofed Turtle, <i>Pangshura sylhetensis</i>	Geoemydidae	A

MARINE INVERTEBRATES

Editor

Ian Hunter, BU1619

New Listings



Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
ASCENSION 2017 December 6 (Plankton) (Set/6)				
1187	20p	Hyperid Amphipod	Order: Amphipoda	U A
1188	35p	Land Crab Zoea Larva		U A
1189	60p	Sapphirinid Copepod	Sapphirinidae	U A
1190	55p	Stomatopod Shrimp Larva	Order: Stomatopoda	U A
1191	65p	Gastropod Mollusc Larva	Class: Gastropoda	U A
1192	£1.60	Polychaete Worm Larva	Class: Polychaeta	U A
2018 January 24 (Crab) (Set/6)				
1193	20p	Land Crab, <i>Johngarthia lagostoma</i> (female w/ eggs)	Gecarcinidae	A
1194	35p	Same species (in megalops phase)		A
1195	50p	Same species (juvenile)		A
1196	55p	Same species (feeding on moss)		A
1197	65p	Same species (in purple morph stage)		A
1198	£1.60	Same species (in yellow morph stage)		A
BRITISH ANTARCTIC TERR. 2017 November 25 (Corals) (Set/4 & MS/9)				
541	66p	a Soft Coral, <i>Anthomastus</i> sp.	Alcyoniidae	U A
542	76p	a Solitary Cup Coral, <i>Flabellum</i> sp.	Flabellidae	U A
543	£1.01	a Gorgonian, <i>Fannyella</i> sp.	Primnoidae	U A
544	£1.22	a Hydroid	Stylasteridae	U A
545a	66p	a Solitary Coral, <i>Balanophyllia</i> sp.	Dendrophylliidae	U A
545b	66p	a Solitary Cup Coral <i>Flabellum</i> sp. (like Sc#542)	Flabellidae	U A
545c	66p	a Hydroid (orange-brown side panel)	Stylasteridae	U A
545d	66p	a Soft Coral, <i>Umbellula</i> sp.	Umbellulidae	U A
545e	66p	Cockscomb Cup Coral, <i>Desmophyllum dianthus</i>	Caryophyllidae	A
545f	66p	a Gorgonian, <i>Fannyella</i> sp. (like Sc#543)	Primnoidae	U A
545g	66p	a Hydroid (dark gray side panel)	Stylasteridae	U A
545h	66p	a Hydroid (like Sc#544)	Stylasteridae	U A
545		MS/9 (Sc#541 & Sc#545a-h)		
Margin		Six various U/I corals		U Z
CHRISTMAS ISLAND 2017 November 1 (Christmas) (SS/2 & 2ea Bklt/5)				
562	65c	Stylized Crabs (w/ elf & reindeer on golf course)		S C
563	\$2	Stylized Crabs (w/ Santa Claus on golf course)		S C
563a		MS/2 (Sc#562-63)		
Margin		Ctr & Bot: Stylized Crabs		S Z
564	\$2	Stylized Crabs (w/ Santa Claus on golf course) (s/a) (also in Bklt/5)		S C
565	65c	Stylized Crabs (w/ elf & reindeer on golf course) (s/a) (also in Bklt/10)		S C
FRENCH SOUTH & ANTARCTIC TERR. 2018 January 2 (Echinoderms of Adélie Land) (SS/3)				
589a	80c	a Starfish, <i>Lophaster gaini</i>	Solasteridae	A
589b	€1.05	an Echinoid, <i>Notocidaris platycantha</i>	Ctenocidaridae	A
589c	€1.05	a Crinoid, <i>Promachocrinus kerguelensis</i>	Antedonidae	A

GREAT BRITAIN (Jersey)		2017 July 10 (Kaleidoscopes) (SS/6)		
2056	49p	Stylized Shells & Anemones		S
2061	£1.07	Stylized Fish & Crabs		S
2061a		SS/6 (Sc#2056–61)		
GREAT BRITAIN (Isle of Man)		2017 May (Food Production) (Set/6 & Bklt/10)		
1862	(45p)	Stylized Crab, Lobster, & Starfish		S C
1868	(47p)	Stylized Crab, Lobster, & Starfish (s/a)		S C
1868a		Bklt/10 (5ea Sc#1867–68)		
GRENADA		2017 August 9 (Starfish) (MS/4 & SS/1)		
4246a	\$7	Common Starfish, <i>Asterias rubens</i>	Asteriidae	A
4246b	\$7	Common Sunstar, <i>Crossaster papposus</i>	Solasteridae	A
4246c	\$7	Brittle Star, <i>Ophiothrix fragilis</i>	Ophiotrichidae	A
4246d	\$7	West Indian Seastar, <i>Oreaster reticulatus</i>	Oreasteridae	A
4247	SS \$12	U/I Starfish, Brittle Star, & Coral		U B
	Margin	UL & UR: U/I Brittle Star		U Z
		LL: U/I Sea Urchin		U Z
		2017 August 9 (Coral Reefs) (2ea SS/2)		
4248a	SS \$7.50	Multiple U/I Corals		U B
4248b	SS \$7.50	U/I Coral (w/ fish & sea horse)		U A
	Margin	Multiple U/I Corals		U Z
4249a	SS \$7.50	U/I Shell		U A
4249b	SS \$7.50	U/I Octopus		U A
	Margin	UL: U/I Sea Slug		U Z
		Top: U/I Squids (four)		U Z
		Ctr: U/I Coral		U Z
		UR: U/I Octopus		U Z
GUYANA		2017 April 14 (Animals of the World) (MS/4)		
4513a	\$500	Moon Jellyfish, <i>Aurelia aurita</i>	Ulmaridae	A
JAPAN		2017 June 2 (Summer Greetings) (MS/10)		
4117c	82¥	U/I Shell (large)		U A
4117d	82¥	U/I Shell (small)		U A
		MS/10 (Sc#4117c–d, 2ea Sc#4117a–b & Sc#4117e–f)		
KOREA (South)		2017 November 21 (Mailboxes) (Horiz Strip/4)		
2509a	330w	Stylized Snail (w/ mailbox)		S B
2509d	330w	Stylized Snail (w/ butterfly & letter)		S B
MALAYSIA		2017 November 21 (Tourist Destinations) (Vert Pair)		
1720b	60sen	U/I Coral (w/ Lake Tenyir & sea turtle)		U C
MALDIVES ISLANDS		2015 May 25 (Shells) (MS/4 & SS/1)		
3413a	20r	Precious Wentletrap, <i>Epitonium scalare</i>	Epitoniidae	A
3413b	20r	Florida Crown Conch, <i>Melongena corona</i>	Melongenidae	A
3413c	20r	Rough Cockle, <i>Acanthocardia tuberculata</i>	Cardiidae	A
3413d	20r	Atlantic Pearl Oyster, <i>Pinctada radiata</i>	Pteriidae	A
	Margin	Ctr: Spider Conch, <i>Lambis lambis</i>	Strombidae	Z
3423	SS 70r	Atlantic Triton, <i>Charonia variegata</i>	Ranellidae	A
	Margin	L: Rose-branch Murex, <i>Chicoreus palmarosae</i>	Muricidae	Z
		R: Florida Horse Conch, <i>Triplofusus giganteus</i>	Fascioliariidae	Z

MARSHALL ISLANDS		2018 January 1 (Marine Life) (Set/4)		
1170	1c	Little Egg Cowry, <i>Calpurnus verrucosus</i>	Ovulidae	A
1172	\$10	Variable Neon Slug, <i>Nembrotha kubaryana</i>	Polyceridae	A
MAURITIUS		2017 October 9 (Sea Shells) (Set/4 & SS/4)		
1167	3r	Cone Shells, <i>Conus</i> sp. (perf 13½)	Conidae	U A
1168	4r	Cowrie Shell, <i>Cypraea</i> sp. (perf 13½)	Cypraeidae	U A
1169	22r	Violet Sea Snail, <i>Janthina janthina</i> (perf 13½)	Janthinidae	A
1170	33r	Trapezium Horse Conch, <i>Pleuroploca trapezium</i> (perf 13½)	Fascioliariidae	A
1171a	3r	Cone Shells, <i>Conus</i> sp. (perf 14)	Conidae	U A
1171b	4r	Cowrie Shell, <i>Cypraea</i> sp. (perf 14)	Cypraeidae	U A
1171c	22r	Violet Sea Snail, <i>Janthina janthina</i> (perf 14)	Janthinidae	A
1171d	33r	Trapezium Horse Conch, <i>Pleuroploca trapezium</i> (perf 14)	Fascioliariidae	A
MONACO		2017 November 30 (Mediterranean Dusky Grouper) (Single)		
2906	(42c)	U/I Corals (w/ fish)		U C
MONTSERRAT		2017 December 6 (Coral Reef Marine Life) (MS/4 & SS/1)		
1400a	\$4	Staghorn Coral, <i>Acropora cervicornis</i>	Acroporidae	A
1400b	\$4	Venus Sea Fan, <i>Gorgonia flabellum</i>	Gorgoniidae	A
1400c	\$4	Elk Horn Coral, <i>Acropora palmata</i>	Acroporidae	A
1400d	\$4	Brown Tube Sponge, <i>Agelas conifera</i>	Agelasidae	A
	Margin	Bkgrd: Various U/I Corals		U Z
1401	SS \$10	Stove Pipe Sponge, <i>Aplysina archeri</i>	Aplysinidae	A
	Margin	R: U/I Coral		U Z
NEVIS		2017 December 4 (Inhabitants of Coral Reefs) (MS/6 & 2ea SS/1)		
Note: The background of each stamp and the background of each sheet shows various U/I corals.				
1933d	\$4	Flamingo Tongue Snail, <i>Cyphoma gibbosum</i>	Ovulidae	A
1934	SS \$12	U/I Coral (w/ seahorse)		U Z
1935	SS \$12	U/I Coral (w/ sea turtle)		U Z
NEW CALEDONIA		2017 November 9 (Christmas) (Single)		
1238	110fr	Stylized Shells (w/ Christmas tree)		S B
PALAU		2018 January 24 (Jellyfish) (MS/4 & SS/2)		
1372a	50c	Mediterranean Jelly, <i>Cotylorhiza tuberculata</i>	Cepheidae	A
1372b	\$1.25	Barrel Jellyfish, <i>Rhizostoma pulmo</i>	Rhizostomatidae	A
1372c	\$2.25	Portuguese Man O'War Jellyfish, <i>Physalia physalia</i>	Physaliidae	A
1372d	\$3.25	White Spotted Jellyfish, <i>Phyllorhiza punctata</i>	Mastigiidae	A
	Margin	Bkgrd: U/I Jellyfish		U Z
1373a	SS \$3	Lion's Mane Jellyfish, <i>Cyanea capillata</i>	Cyaneidae	A
1373b	SS \$3	Mediterranean Jellyfish, <i>Cotylorhiza tuberculata</i>	Cepheidae	A
	Margin	Bkgrd: U/I Jellyfish		U Z
		2018 January 24 (Underwater Landscapes) (MS/4 & SS/2)		
1374a	50c	U/I Corals (Bora Bora, Pacific Ocean)		U B
1374b	\$1.25	U/I Corals (Japan, Pacific Ocean)		U B
1374d	\$2.25	U/I Sea Fans (Indonesia, Indian Ocean)		U A
1375a	SS \$3	U/I Jellyfish (Palau, Pacific Ocean)		U B
1375b	SS \$3	U/I Corals (Maldives, Indian Ocean)		U A
PENRHYN		2017 December 5 (Christmas) (Block/4)		
581d	\$2.40	Stylized Shell silhouette		S

ST. KITTS		2017 June 7 (Animals of the World) (MS/4)			
963c	\$5	Arctic Cookie Star, <i>Ceramaster arcticus</i>	Goniasteridae	A	
SPAIN		2016 April 23 (Way of St. James) (Single)			
4122	(€1.15)	Stylized Shell as logo (inscr. "B")			S C
TOKELAU		2016 October 5 (Tokelau Language Week) (Set/4 & SS/4)			
462	\$1.40	Coconut Crab, <i>Birgus latro</i>	Coenobitidae	A	
464a		SS/4 (Sc#461–64)			
TRISTAN DA CUNHA		2016 December 7 (Biodiversity) (Set/12)			
1091	35p	Tristan Rock Lobster, <i>Janus tristani</i>	Palinuridae	A	
1092	35p	Orange Starfish, <i>Henricia simplex</i>	Echinasteridae	A	
UNITED NATIONS (Geneva)		2018 March 2 (Endangered Species) (Block/4)			
648	1.50fr	Cuban Land Snail, <i>Polymita picta</i>	Helminthoglyptidae	A	
649a		Block/4 (Sc#646–49)			
UNITED STATES		2018 February 22 (Bioluminescent Life) (Block/10)			
5264	(50c)	Deep Sea Octopus, <i>Stauroteuthis syrtensis</i>	Stauroteuthidae	A	
5265	(50c)	Midwater Jellyfish, <i>Halicreas minimum</i>	Halicreatidae	A	
5266	(50c)	Deep-sea Comb Jelly, <i>Leucothea</i> sp.	Leucotheidae	U A	
5269	(50c)	Bamboo Coral, <i>Keratoisis flexibilis</i>	Isididae	A	
5270	(50c)	Marine Worm, <i>Flota</i> sp.	Flabelligeridae	U A	
5271	(50c)	Atolla Jellyfish or Coronate Medusa, <i>Atolla wyvillei</i>	Atollidae	A	
5272	(50c)	Marine Worm, <i>Tomopteris</i> sp.	Tomopteridae	U A	
5273	(50c)	Sea Pen, <i>Umbellula</i> sp.	Umbellulidae	U A	

CORAL REEF

On 3 April 2018, the Caribbean Netherlands island of Saba issued a sheet of four 99c stamps depicting various creatures inhabiting coral reefs. Similar sheets were issued on the same day by the other islands in this group: Bonaire and St. Eustatius.

The first stamp shows a ball anemone (*Condylactis gigantea*) found in shallow reefs in the West Indies. The average size is six inches high and 16 inches in diameter.

The second stamp shows a Coral Banded Shrimp (*Stenopus hispidus*) with an Azure Vase Sponge (*Callyspongia plicifera*). The shrimp is found worldwide throughout the tropics. It is a cleaner shrimp that uses its claws to remove parasites, fungi, and damaged tissue from fish. The vase sponge can grow up to 11 inches in height and 5.5 inches in diameter.

The third stamp shows a Yellownose Goby (*Gobiosoma randalli*) with an unidentified stony coral. The goby is native to the western Atlantic and also performs cleaning services for other fish.

The final stamp shows a Christmas Tree Worm (*Spirobranchus giganteus*) with and unidentified star coral.

The designer was Studio Excello in Gouda, Netherlands. Printing was by Joh. Enschedé Security Printers, Haarlem, Netherlands.





ICHTHYOLOGY

Associate Editor

J. Dale Shively, BU1832

New Listings



Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
ANTIGUA 2017 August 1 (Hawksbill Turtles) (2ea MS/4)				
3381	Margin	LL: Common Bluestripe Snapper (?), <i>Lutjanus kasmira</i>	Lutjanidae	U Z
3382d	\$7	U/I reef fish (w/ Hawksbill Sea Turtle)	---	U C
2017 August 22 (Seadragons) (MS/4)				
3393a	\$7	Weedy Seadragon, <i>Phyllopteryx taeniolatus</i> (facing L)	Syngnathidae	A
3393b	\$7	Weedy Seadragon, <i>Phyllopteryx taeniolatus</i> (facing R w/ grass)	Syngnathidae	A
3393c	\$7	Weedy Seadragon, <i>Phyllopteryx taeniolatus</i> (facing R)	Syngnathidae	A
3393d	\$7	Leafy Seadragon, <i>Phycodurus eques</i>	Syngnathidae	A
2017 August 22 (Seahorses) (MS/3)				
3394a	\$7	Thorny Seahorse, <i>Hippocampus</i> sp.	Syngnathidae	U A
3394b	\$7	Thorny Seahorse, <i>Hippocampus</i> sp. (w/ coral)	Syngnathidae	U A
3394c	\$7	Yellow Seahorse, <i>Hippocampus kuda</i>	Syngnathidae	A
AZERBAIJAN 2017 August 22 (25th anniv. Azermarka stamp printer) (SS/1)				
1139	Margin	LR: Aquarium fish (Sc#539-42) s-o-s		C Z
COLOMBIA 2017 July 6 (300th anniv. First Grand Masonic Lodge) (Single & SS/1)				
1456	500p	Stylized Fish (Pisces Zodiac symbol)		S C
1457	SS 10000p	Stylized Fish (Pisces Zodiac symbol)		S C
CZECH REPUBLIC 2017 September 6 (Animals in Czech Zoos) (MS/4+4 labels)				
3719	Margin	Humphead Cichlid (?), <i>Cyphotilapia frontosa</i>	Cichlidae	U Z
		Asian Bonytongue, <i>Scelopages formosus</i>	Osteoglossidae	Z
		Cichlid, <i>Apistogramma</i> sp. (?)	Cichlidae	U Z
		Boeseman's Rainbowfish (?), <i>Melanotaenia boesemani</i>	Melanotaeniidae	U Z
		Common Rudd, <i>Scardinius erythrophthalmus</i>	Cyprinidae	Z
		Pike-perch (Zander), <i>Sander lucioperca</i>	Percidae	Z
		Northern Pike, <i>Esox lucius</i>	Esocidae	Z
		Wels catfish, <i>Silurus glanis</i>	Siluridae	Z
		Burbot, <i>Lota lota</i>	Lotidae	Z
DJIBOUTI 2017 January 20 (Fish) (MS/4 & SS/1)				
1119a	280fr	Powderblue Surgeonfish, <i>Acanthurus leucosternon</i>	Acanthuridae	A
1119b	280fr	Yellow Boxfish, <i>Ostracion cubicus</i>	Ostraciidae	A
1119c	280fr	Scarlet Frogfish, <i>Antennatus coccineus</i>	Antennariidae	A
1119d	280fr	Midnight Parrotfish, <i>Scarus coelestinus</i>	Scaridae	A
1144	SS 960fr	Parrotfish, <i>Sparisoma cretense</i>	Scaridae	A
	Margin	LL: White-spotted Boxfish, <i>Ostracion meleagris</i>	Ostraciidae	Z
		UR: Scalloped Hammerhead, <i>Sphyrna lewini</i>	Sphyrnidae	Z
		MR: Great Barracuda, <i>Sphyaena barracuda</i>	Sphyaenidae	Z
		LR: Longspine Squirrelfish, <i>Holocentrus rufus</i>	Holocentridae	Z

DJIBOUTI (continued)		2017 March 15 (Charles Darwin) (MS/4)		
1172d	240fr	Globehead Parrotfish, <i>Scarus globiceps</i> (preserved specimen)	Scaridae	C
		(Cap/Syn: <i>Pseudoscarus lepidus</i>)		
		Patagonian Blenny, <i>Eleginops maciovinus</i> (preserved specimen)	Eleginopsidae	C
		2017 December 11 (Climate Change) (MS/4)		
1322d	240fr	U/I reef fish (in bkgrd w/ diver & coral)		U C
ECUADOR		2017 October 24 (Darwin & Wolf Islands Marine Sanctuary) (Bklt/8)		
Each stamp has a small shark silhouette logo w/ larger silhouette in top margin of booklet.				
2200b	25c	Scalloped Hammerhead, <i>Sphyrna lewini</i>	Sphyrnidae	A
2200c	50c	Whale Shark, <i>Rhincodon typus</i>	Rhincodontidae	A
2200d	50c	Spotted Eagle Ray, <i>Aetobatus narinari</i>	Myliobatidae	A
2200	Margin	Top: U/I Shark		U Z
FALKLAND ISLANDS		2017 October 23 (30th anniv. Falkland Fisheries) (Set/4)		
1201	31p	Patagonian Toothfish, <i>Dissostichus eleginoides</i> (w/ ship)	Nototheniidae	B
FRENCH POLYNESIA		2017 December 15 (Polynesian Legend) (Single)		
1201	80fr	Stylized fish in Maui legend scene (Sc#527 s-o-s)		S C
FRENCH SOUTHERN & ANTARCTIC TERR.		2017 October 27 (Polar Birds) (SS/2 + label)		
573	Label	U/I fish (in talons of White-tailed Eagle)		U C
GAMBIA		2017 June 7 (Animals of the World) (MS/4)		
3744d	85d	Twospined Angelfish, <i>Centropyge bispinosa</i>	Pomacanthidae	A
GREAT BRITAIN (Jersey)		2017 July 10 (Kaleidoscope) (SS/6)		
2061	€1.07	Peacock Cichlid (?), <i>Cichla ocellaris</i> (w/ crab)	Cichlidae	S U
2061a		SS/6 (Sc#2056–61)		
GREAT BRITAIN (Isle of Man)		2017 May (Food Production) (Set/6 & Bklt/10)		
1862	(45p)	Stylized Fish (w/ crab & lobster)		S C
1868	(47p)	Stylized Fish (w/ crab & lobster) (s/a)		S C
1868a		Bklt/10 (5ea Sc#1867–68)		
GRENADA		2017 August 9 (Dogs & Cats) (MS/3)		
4243c	\$7	Stylized Fish (w/ cat & aquarium)		S B
		2017 August 9 (Coral Reefs) (SS/2)		
4248b	\$7.50	Longnose Hawkfish (?), <i>Oxycirrhites typus</i> (w/ coral)	Cirrhitidae	U B
		Maned (?) Seahorse, <i>Hippocampus</i> sp.	Syngnathidae	U B
		2017 August 16 (Tropical Fish) (MS/4 & SS/3)		
4252a	\$7	Kole Tang or Spotted Surgeonfish, <i>Ctenochaetus strigosus</i>	Acanthuridae	A
4252b	\$7	Spotbase Burrfish, <i>Cyclichthys spilostylus</i>	Diodontidae	A
4252c	\$7	Coral Trout or Leopard Coralgroup, <i>Plectropomus leopardus</i>	Serranidae	A
4252d	\$7	Yellow Tang, <i>Zebrasoma flavescens</i>	Acanthuridae	A
4252	Margin	Bkgrd: U/I reef fish		U Z
4253a	\$7	Red Discus, <i>Symphysodon discus</i>	Cichlidae	A
4253b	\$7	Palette Surgeonfish, <i>Paracanthurus hepatus</i>	Acanthuridae	A
4253c	\$7	Copperband Butterflyfish, <i>Chelmon rostratus</i>	Chaetodontidae	A
4253	Margin	Bkgrd: U/I reef fish		U Z
HONG KONG		2017 September 19 (Shopping Areas) (Set/6 & SS/6)		
1877	\$1.70	Goldfish, <i>Carassius auratus</i> (Goldfish Market)	Cyprinidae	S B
1882a		SS/6 (Sc#1877–82)		

INDIA		2016 November 14 (Children's Day) (Set/2 & SS/2)		
2859	15r	Stylized Fish (child fishing w/pole & partial fish above water		S C
2860b		SS/2 (Sc#2859 & 2860a)		
		2017 November 27 (Mahabharat) (MS/18 & SS/1)		
2977	Margin	Top: Stylized Fish		S Z
2977t	SS 100t	Bot: Stylized Fish		S Z
ITALY		2017 March 1 (Cooked Fish) (Single)		
3442	95c	Cooked Codfish dish (Bacalá alla Vicentina)	Gadidae	R
IVORY COAST		2014 March 10 (Fishes) (MS/4 & SS/1)		
1214a	250fr	Sergeant-major, <i>Abudefduf saxatilis</i>	Pomacentridae	A
1214b	350fr	Yellowfin Bass, <i>Anthias nicholsi</i>	Serranidae	A
1214c	500fr	Oscar, <i>Astronotus ocellatus</i>	Cichlidae	A
1214d	750fr	Deepbody Boarfish, <i>Antigonia capros</i>	Caproidae	A
1238	SS 2500fr	Bluespotted Triggerfish, <i>Balistes punctatus</i>	Balistidae	A
	Margin	UL: Yellowfin Bass, <i>Anthias nicholsi</i>	Serranidae	Z
		LL: John Dory, <i>Zeus faber</i>	Zeidae	Z
		Bkgrd: Stylized Fish		S Z
JAPAN		2017 March 3 (Southern Hemisphere Constellations) (MS/10)		
4086g	82¥	Stylized Flying Fish silhouette	Exocoetidae	S
4086h	82¥	Stylized Sailfish silhouette	Istiophoridae	S
		2017 May 2 (150th anniv. Diplomatic Relations w/ Denmark) (MS/10)		
4102g	82¥	Stylized Fish (w/ ship & mermaid)		S C
		2017 June 2 (Summer Greetings) (MS/10)		
4116f	62¥	Stylized Goldfish in bowl	Cyprinidae	S B
4116		MS/10 (2ea Sc#4116a–c, f & 1ea Sc#4116d–e)		
		2017 August 23 (Autumn Greetings) (MS/10)		
4143g	82¥	Stylized Fish on grill		S B
4143		MS/10 (Sc#4143a, c, f, g & 2ea Sc#4143b, d, e)		
		2017 August 30 (72nd National Athletic Meet) (MS/10)		
Note: Misidentified in <i>Scott New Listing Update</i> , 21 May 2018, as Dolphinfish.				
4144j	82¥	Red Seabream, <i>Pagellus bogaraveo</i>	Sparidae	A
KENYA		2017 October 9 (UN Sustainable Development Goals) (Set 4)		
907	90sh	Stylized Fish		S
MALAGASY REPUBLIC		2017 June 19 (Regional Arms & Emblems) (MS/12)		
Note: Date if issue listed as 2016 in <i>Scott New Listing Update</i> , but June 2017 on <i>Stampworld.com</i> .				
1651a	500a	Stylized Fish (drawing on coat of arms)		S C
1651k	500a	Stylized Fish (drawing on coat of arms)		S C
MALAYSIA		2017 November 21 (Tourist Destinations) (Vert Pair)		
1720b	60c	U/I Surgeon fish (Underwater reef scene Pulau Redang)		U C
		Sergeant-major, <i>Abudefduf saxatilis</i>	Pomacentridae	C
MALDIVIVE ISLANDS		2015 January 28 (Fishes) (MS/4 & SS/1)		
3323a	20r	Golden Trevally, <i>Gnathanodon speciosus</i>	Carangidae	A
3323b	20r	Bird Wrasse, <i>Gomphosus varius</i>	Labridae	A
3323c	20r	Redspot Cardinalfish, <i>Ostorhinchus dispar</i>	Apogonidae	A
3323d	20r	African Coris, <i>Coris gaimard</i>	Labridae	A

MALDIVES ISLANDS (continued)

3323	Margin	Bot: Redtail Butterflyfish, <i>Chaetodon collare</i>	Chaetodontidae	Z
		Top: Bicolor Parrotfish, <i>Cetoscarus bicolor</i>	Scaridae	Z
3333	SS 60r	Peacock Hind, <i>Cephalopholis argus</i>	Serranidae	A
	Margin	L: Clown Anemonefish, <i>Amphiprion ocellaris</i>	Pomacentridae	Z
		R: Powderblue Surgeonfish, <i>Acanthurus leucosternon</i>	Acanthuridae	Z
		Bot: Lunar-tailed Bigeye, <i>Priacanthus hamrur</i>	Priacanthidae	Z

2015 May 25 (Kingfishers) (SS/1)

3418	SS 60r	U/I Fish (in beak of Ruddy Kingfisher)		U C
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MARSHALL ISLANDS**2017 October 4** (Eyes of Nature) (MS/10)

1165h	49c	Eye of U/I fish		U
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2018 January 1 (Marine Life) (Set/4)

1173	\$18.90	Shortfin Mako (shark), <i>Isurus oxyrinchus</i>	Lamnidae	A
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MONACO**2017 November 30** (Mediterranean Dusky Grouper) (Single) (Precancel)

2906	(42c)	Mediterranean Dusky Grouper, <i>Epinephelus marginatus</i>	Serranidae	A
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MONTserrat**2017 December 6** (Coral Reef Marine Life) (MS/4 & SS/1)

1400a	\$4	Whitetail Dascyllus, <i>Dascyllus aruanus</i>	Pomacentridae	C
1400c	\$4	U/I reef fish in bkgrd		U C
1400	Margin	Bkgrd: Cottonwick Grunt, <i>Haemulon melanurum</i>	Haemulidae	Z
1401	SS \$10	L: Cottonwick Grunt, <i>Haemulon melanurum</i>	Haemulidae	Z

NEVIS**2017 December 4** (Inhabitants of Coral Reefs) (MS/6 & 2ea SS/1)

1933a	\$4	Diamond Blenny, <i>Malacoctenus boehlkei</i>	Labrisomidae	A
1933b	\$4	Caribbean Reef Shark, <i>Carcharhinus perezii</i>	Carcharhinidae	A
1933e	\$4	Fairy Basslet or Royal Gramma, <i>Gramma loreto</i>	Grammatidae	A
1933f	\$4	Green Moray, <i>Gymnothorax funebris</i>	Muraenidae	A
1934	SS \$12	Longsnout Seahorse, <i>Hippocampus reidi</i> (also in margin)	Syngnathidae	A Z
1935	SS \$12	UL: U/I reef fish (w/ Green Sea Turtle)		U Z

NIUE**2017 September 20** (Butterflyfish) (Set/4 & SS/4)

957	30c	Reticulate or Mailed Butterflyfish, <i>Chaetodon reticulatus</i>	Chaetodontidae	A
978	\$1.40	Bennett's or Bluelashed Butterflyfish, <i>Chaetodon bennetti</i>	Chaetodontidae	A
959	\$2	Lined Butterflyfish, <i>Chaetodon lineolatus</i>	Chaetodontidae	A
960	\$4	Acropora or Chevron Butterflyfish, <i>Chaetodon trifascialis</i>	Chaetodontidae	A
960a		SS/4 (Sc#957-60)		

PALAU**2017 November 10** (Palau Community Action Agency) (MS/15)

1369e	50c	Stylized drawings of reef fish (care for environment)		S C
1369f	50c	Stylized drawings of reef fish (fishing industry)		S C
1369g	50c	Stylized drawings of reef fish (preschool head start)		S C
1369n	50c	Stylized drawings of reef fish & sharks (tourism and community)		S C

2018 January 24 (Underwater Landscapes) (MS/4)

1374b	\$1.25	U/I reef fish (Japan, Pacific Ocean)		U C
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2018 February 1 (Seahorses) (MS/6)

1379a	50c	Big-belly Seahorse, <i>Hippocampus abdominalis</i>	Syngnathidae	A
1379b	75c	Leafy Seadragon, <i>Phycodurus eques</i>	Syngnathidae	A
1379c	\$1	Weedy Seadragon, <i>Phyllopteryx taeniolatus</i>	Syngnathidae	A
1379d	\$1.25	Zebra Seahorse, <i>Hippocampus zebra</i>	Syngnathidae	A
1379e	\$1.50	Yellow Seahorse, <i>Hippocampus kuda</i>	Syngnathidae	A
1379f	\$1.75	Pygmy Seahorse, <i>Hippocampus bargibanti</i>	Syngnathidae	A

PENRHYN		2017 November 6 (WWF: Butterflyfish Photos) (Set/4 & Block/4)		
576	\$1	Bennett's or Bluelashed Butterflyfish, <i>Chaetodon bennetti</i>	Chaetodontidae	B
		Common Bluestripe Snapper, <i>Lutjanus kasmira</i>	Lutjanidae	B
577	\$1.70	Bennett's or Bluelashed Butterflyfish, <i>Chaetodon bennetti</i>	Chaetodontidae	A
578	\$2	Same species (w/ white frame)		A
579	\$2.40	Same species (w/ white frame)		A
580a	\$1	Bennett's or Bluelashed Butterflyfish, <i>Chaetodon bennetti</i>	Chaetodontidae	B
		Common Bluestripe Snapper, <i>Lutjanus kasmira</i>	Lutjanidae	B
580b	\$1.70	Bennett's or Bluelashed Butterflyfish, <i>Chaetodon bennetti</i>	Chaetodontidae	A
580c	\$2	Same species (w/o white frame)		A
580d	\$2.40	Same species (w/o white frame)		A
		2017 December 5 (Christmas) (Block/4)		
581a	\$1	Stylized Seahorse silhouette		S
UNITED NATIONS (Geneva)		2018 March 2 (Endangered Species) (Block/4)		
649	1.50fr	Silky Shark, <i>Carcharhinus falciformis</i>	Carcharhinidae	A
649a		Block/4 (Sc#646–49)		
UNITED NATIONS (Vienna)		2017 October 16 (World Food Day) (Set/2)		
615	80c	Stylized fish (w/ food items)		S B
		2018 March 2 (Endangered Species) (Block/4)		
619	80c	Zebra Seahorse, <i>Hippocampus zebra</i>	Syngnathidae	A
619a		Block/4 (Sc#616–19)		
VIRGIN ISLANDS		2017 November 8 (Underwater Life) (Set/5 & SS/1)		
1190	5c	Coney Fish, <i>Cephalopholis fulva</i>	Serranidae	A
1191	15c	Balloon or Longspined Porcupine Fish, <i>Diodon holocanthus</i>	Diodontidae	A
1192	35c	Queen Triggerfish, <i>Balistes vetula</i>	Balistidae	A
1193	90c	Red Hind, <i>Epinephelus guttatus</i>	Serranidae	A
1194	\$2	Queen Angelfish, <i>Holacanthus ciliaris</i>	Pomacanthidae	A
1194a		Vert Strip/5 (Sc#1190–94)		
1195	SS \$5	Scrawled or Scribbled Leatherjacket Filefish, <i>Aluterus scriptus</i>	Monacanthidae	A
Margin	LL:	Scrawled Butterflyfish, <i>Chaetodon meyeri</i>	Chaetodontidae	Z
	Bkgrd:	Small U/I reef fish		U Z

NORDIC FISHES

On 13 March 2018, Åland Post issued a single stamp as part of the joint 2018 Nordic series depicting an Atlantic Salmon (*Salmo salar*).

Salmon fishing has been a significant source of income for commercial Åland fishermen. Atlantic salmon are the largest of their species and can reach more than 60 inches in length and 100 pounds in weight.

Wild salmon are threatened by overfishing and habitat destruction and are the subject of conservation efforts in several countries. They have also been introduced in the northern Pacific, but self-sustaining populations there have never been achieved.

Unlike Pacific salmon that die after spawning, Atlantic salmon may repeat migration and spawning many times.

The stamp was designed by Lars Sjööblom and printed by Bpost using four-color offset. The stamps are produced in sheets of 32 with two blocks of 16 separated by eight labels showing enlarged images of the fish. They are inscribed with the Inland rate (*Inrikes*) and sold for €1.50 on the date of issue.





ENTOMOLOGY

Editor

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



New Listings

Scott#	Denom	Common Name/Scientific Name	Family/Subfamily	Code
BELARUS 2015 October 16 (Frogs) (SS/4)				
961	(3600r)	U/I Damselfly (w/ frog)	Odonata	U B
964a	Margin	UL: U/I Fly ML & LL: Backswimmer, <i>Notonecta</i> sp.?	Diptera Notonectidae, Notonectinae	U Z
2018 March 1 (Berezinsky Biosphere Reserve) (Set/2 & SS/2)				
b	(1.26r)	Moorland Clouded Yellow, <i>Colias palaeno</i> L. ♂ (inscr. "H")	PIE, Coliadinae	B
BHUTAN 2018 February 5				
a	30nu	Red-Tipped Shadefly, <i>Argiocnemis rubescens rubeola</i> Selys	COE, Argiocnemidinae	A
b	30nu	Dun Skimmer, <i>Neurothemis fulvia</i> Drury	LIB, Sympetrinae	A
c	30nu	Crimson or Dawn Skimmer, <i>Trithemis aurora</i> Burmeister	LIB, Trithemistinae	A
d	30nu	Asian Pintail, <i>Acisoma panorpoides</i> Rambur	LIB, Sympetrinae	A
e	30nu	Blue Bayadera, <i>Bayadera indica</i> Selys	Euphaeidae	A
f	30nu	<i>Megalestes irma</i> Fraser	Synlestidae, Megalestinae	A
	SS 50nu	Gyalsey Emerald Spreadwing, <i>Megalestes gyalsey</i> Gyeltzen et al.	Synlestidae, Megalestinae	A
BOSNIA & HERZEGOVINA (Serb) 2009 September 9 (Insects) (new data)				
372	1m	Ruddy Darter, <i>Sympetrum sanguineum</i> O.F. Mueller	LIB, Sympetrinae	A
2015 September 2 (Fly Fishing) (new data)				
531	Margin	UR: U/I Mayflies	Ephemeroptera	U Z
CANADA 2018 May 1 (Native Bees) (Bklt/10)				
	(85c)	Rusty-Patched Bumblebee, <i>Bombus affinis</i> Cresson	API, Apinae	A
	(85c)	Bicolored Striped Sweat Bee, <i>Agapostemon virescens</i> Fabr.	HAL, Halictinae	A
	FDC	Small Eastern Resin Bee, <i>Anthidiellum notatum</i> Latreille	MEGA, Megachilinae	Z
COLOMBIA 2018 May 9 (Mexico Colombia Year) (Pair & MS/4)				
a	10000p	Monarch, <i>Danaus plexippus</i> L	NYM, Danainae	A
b	10000p	Blue Morpho, <i>Morpho helenor</i> ssp. <i>peleides</i> Kollar	NYM, Morphinae	A
	Margin	19 Butterfly silhouettes	Nymphalidae	U Z
CUBA 2015 April 15 (Wild Cats) (SS/1)				
5670	SS 1p	Tiny U/I Butterfly (UL)	Lepidoptera	U C
FINLAND (Åland Islands) 2018 May 28 (Beekeeping) (Single)				
	(€1.50)	Western Honeybee, <i>Apis mellifera</i> L. (inscr. "Inrikes")	API, Apinae	A
FRANCE 2017 November 6 (Contest Stamps with Scratch-off panels) (Bklt/12)				
5334	(73c)	7-Spotted Ladybird, <i>Coccinella septempunctata</i> L. (LL)	COC, Coccinellinae	C
5335b		Bklt/12 (Sc#5324–35)		
GERMANY 2014 February 6 (Hansel & Gretel) (Set/3)				
B1087	145c+55c	<i>Nymphalis</i> sp. (silhouette)	NYM, Nymphalinae	U C

GREAT BRITAIN		2018 April 17 (Re-Introduced Species) (Set/6)		
(67p)	Large Blue, <i>Maculinea arion</i> L.	LYC, Polyommatinae		A
HONG KONG		2017 January 7 (Roosters) (Set/2) (Scott noted but un-numbered)		
note	(\$3.70) Label: (fan w/ two small butterflies)	Lepidoptera		U Z
		2018 January 27 (Year of the Dog) (SS/1)		
Margin	MR: Two very stylized butterflies	Lepidoptera		S Z
IRAN		2011 March 21 (Children's Stamps) (SS/4+4 labels)		
3029Eg	700r Label: Stylized brimstone butterfly (w/ hot air balloon)	PIE, Coliadinae		S Z
3029Ei	1200r Stylized brimstone butterfly (w/ clouds)	PIE, Coliadinae		S B
		2015–2016 (Flower Types of 2015–16)		
3138	500r Western Honeybee, <i>Apis mellifera</i> L. (square)	API, Apinae		B
3139	500r Western Honeybee, <i>Apis mellifera</i> L. (rectangle)	API, Apinae		B
3141	1000r <i>Delias</i> sp.	PIE, Pierinae		U B
3142	2000r U/I Butterfly (rectangle)	Lepidoptera		U B
3143	2000r U/I Butterfly (square)	Lepidoptera		U B
3144	3000r Western Honeybee, <i>Apis mellifera</i> L.	API, Apinae		B
3146	5000r Western Honeybee, <i>Apis mellifera</i> L.	API, Apinae		B
3148	10000r U/I Dragonfly (square)	Odonata		U B
3149	10000r U/I Dragonfly (rectangle)	Odonata		U B
3150	20000r Western Honeybee, <i>Apis mellifera</i> L. (horiz rectangle)	API, Apinae		B
3151	20000r Western Honeybee, <i>Apis mellifera</i> L. (vert rectangle)	API, Apinae		B
3164	8000r U/I Ladybird Beetle (rectangle)	Coccinellidae		U B
JAPAN		2017 August 23 (Autumn Greetings) (MS/10)		
4143e	82¥ Stylized Dragonflies (over rice fields)	Odonata		S C
4143	MS/10 (Sc#4143a, c, f, g & 2ea Sc#4143b, d, e)			
KOREA (South)		2017 November 21 (Mailboxes) (Horiz strip/4)		
2509b	330w Stylized chrysalis (on mailbox)	Lepidoptera		S B
2509c	330w Stylized chrysalis (under mailbox)	Lepidoptera		S B
2509d	330w Stylized butterfly (w/ snail & mailbox)	Lepidoptera		S B
MALAWI		2018 (Surcharges)		
600k	Forest Queen, <i>Euxanthe wakefieldi</i> Ward (Sc#706 surch)	NYM, Charaxinae		A
900k	<i>Papilio pelodurus</i> Butler (Sc#737 surch)	PAP, Papilioninae		A
1150k	Fiery Acraea, <i>Acraea acrita</i> Hewitson (Sc#653 surch)	NYM, Heliconiinae		A
1280k	Boisduval's False Acraea, <i>Pseudacraea boisduvali</i> Doubleday (Sc#707 surch)	NYM, Limenitidinae		A
2000k	Twilight Brown, <i>Melanitis leda</i> L. (Sc#654 surch)	NYM, Satyrinae		A
MARSHALL ISLANDS		2018 March 15 (Butterflies) (Set/6)		
50c	Brown Awl, <i>Badamia exclamationis</i> Fabr.	HES, Coeliadinae		A
\$1.20	Goliath Birdwing, <i>Troides goliath</i> Oberthür	PAP, Papilioninae		A
\$7	Meadow Argus, <i>Junonia villida</i> Fabr.	NYM, Nymphalinae		A
\$13.65	Monarch, <i>Danaus plexippus</i> L. ♀	NYM, Danainae		A
\$18.90	Pea Blue, <i>Lampides boeticus</i> L.	LYC, Polyommatinae		A
\$24.90	Great Eggfly, <i>Hypolimnas bolina</i> L.	NYM, Nymphalinae		A
MOLDOVA		2015 June 1 (International Children's Day) (Set/3)		
865	5.751 Stylized Butterfly (w/ birds & tree)	Lepidoptera		S C

MONGOLIA		2014 February 15 (Flowers) (Set/5 & MS/10)		
2783	200t	Western Honeybee, <i>Apis mellifera</i> L.	API, Apinae	B
2785	400t	Apollo, <i>Parnassius apollo</i> L.	PAP, Parnassiinae	B
2786	900t	U/I Dragonfly	Libellulidae	U B
2787	1000t	Seven-spotted Ladybird, <i>Coccinella septempunctata</i> L.	COC, Coccinellinae	B
2787a		MS/10 (2ea Sc#2783-87 + 2 labels)		
		2017 November 15 (“Butterfly Blue” - National Flower) (SS/2)		
b	SS 1500t	U/I Butterfly (w/ costumed woman)	NYM, Heliconiinae	U C
MONTENEGRO		2017 October 31 (Joy of Europe) (Single)		
420	30c	Stylized Bee (child’s drawing w/ boy)	API, Apinae	S C
OMAN		2016 December 20 (Fauna of Oman) (MS/2)		
a	200b	Joker, <i>Byblia ilithyia ilithyia</i> Drury	NYM, Biblidinae	A
b	200b	Mimic, <i>Hypolimnas misippus</i> L.	NYM, Nymphalinae	A
PERU		2018 February 20 (Peruvian Export Products) (Set/2)		
	10s	Cochineal Insect, <i>Dactylopius coccus</i> Costa (w/ cactus)	Dactylopiidae	B
PORTUGAL		2018 May 4 (Frama Labels)		
	€2.90	Five-spot Burnet, <i>Zygaena trifolii</i> Esper (w/ larva)	ZYG, Zygaeninae	A
	€2.90	Crimson-Speckled Moth, <i>Utetheisa pulchella</i> L. (w/ larva)	ARC, Arctiinae	A
	€2.90	Oak Eggar Moth, <i>Lasiocampa quercus</i> L. (w/ larva)	LAS, Lasiocampinae	A
RUSSIA		2018 May 17 (Beekeeping) (Set/4)		
	4×40r	Western Honeybee, <i>Apis mellifera</i> L.	API, Apinae	B
ST. MARTIN		2016 January 6 (Birds) (10ea SS/1)		
	SS 500c	Bot: U/I Insect (w/ <i>M. monachus</i>)		U Z
	SS 500c	LL: U/I Butterfly (w/ <i>A. hyascinthus</i>)	Lepidoptera	U Z
		Bot: <i>Morpho</i> sp.	NYM, Morphinae	U Z
	SS 500c	ML: U/I Moth (w/ <i>A. cunicularia</i>)	SAT, Saturniinae	U Z
		LL: U/I larva	Lepidoptera	U Z
		Bot & LR: U/I Butterflies	Lepidoptera	U Z
	SS 500c	UL: U/I larva (w/ <i>P. pileata</i>)	Lepidoptera	U Z
	SS 500c	Bot & UR: U/I Butterflies (w/ <i>A. aestiva</i>)	Lepidoptera	U Z
	SS 500c	UL, MR, Top: U/I Butterflies (w/ <i>P. picazuro</i>)	Lepidoptera	U Z
		Top: U/I larva	Lepidoptera	U Z
	SS 500c	UL, ML, LL, MR, Top: U/I Butterflies (w/ <i>C. picui</i>)	Lepidoptera	U Z
		LR: U/I larva	Lepidoptera	U Z
	SS 500c	UL: U/I Insect (w/ <i>A. xanthops</i>)		U Z
		ML: U/I larva	Lepidoptera	U Z
	SS 500c	LR: U/I larva (w/ <i>B. chiriri</i>)	Lepidoptera	U Z
	SS 500c	LL: U/I Butterfly (w/ <i>S. squammata</i>)	Lepidoptera	U Z
SOUTH AFRICA		2017 May 18 (Bee-eater Birds) (Horiz strip/5)		
1566c	(9.55r)	U/I Insect (in bird’s beak) (inscr. “B4”)		U C
SPAIN		2017 May 10 (National Stamp Exhibition) (Single)		
4203	50c	Very Stylized Butterfly (w/ building)	Lepidoptera	S C
SURINAME		2018 April (Butterflies) (Block/12)		
a	A	Large Striped Swordtail, <i>Graphium antheus</i> Cramer	PAP, Papilioninae	A
b	\$5.50	Malayan Zebra Swallowtail, <i>Graphium delesserti</i> Guérin-Ménéville (Cap: <i>Graphium delesserti</i>)	PAP, Papilioninae	A
c	\$6	Andaman Swordtail, <i>Graphium epaminondas</i> Oberthür	PAP, Papilioninae	A

SURINAME (continued)

d	\$7	<i>Graphium mendana</i> Godman & Salvin	PAP, Papilioninae	A
e	\$9	<i>Graphium stresemanni</i> Rothschild	PAP, Papilioninae	A
f	\$10	Kite or Scarce Swallowtail, <i>Iphiclides podalirius</i> L.	PAP, Papilioninae	A
g	\$11	Queen Alexandra's Birdwing, <i>Troides alexandrae</i> Rothschild (Cap: <i>Ornithoptera alexandrae</i>)	PAP, Papilioninae	A
h	\$12	Tailed Birdwing, <i>Troides meridionalis</i> Rothschild (Cap: <i>Ornithoptera meridionalis</i>)	PAP Papilioninae	A
i	\$14	Victoria's Birdwing, <i>Troides victoriae</i> Gray (Cap: <i>Ornithoptera victoriae</i>)	PAP, Papilioninae	A
j	\$18	Southern Swallowtail, <i>Papilio alexanor</i> Esper	PAP, Papilioninae	A
k	\$20	African Giant Swallowtail, <i>Papilio antimachus</i> Drury	PAP, Papilioninae	A
l	\$22	Pale Tiger Swallowtail, <i>Papilio eurymedon</i> Lucas	PAP, Papilioninae	A

TRINIDAD & TOBAGO 2017 (Surcharges)

Note: These are corrected names for Sc#639–41 Butterfly issue of 2002.

\$1 on \$4.50	Four Continent, <i>Adelpha iphicles</i> L. (Sc#640 surch)	NYM, Limenitidinae	A
\$1 on \$5.25	89 Butterfly, <i>Diaethria neglecta</i> Salvin (Sc#641 surch)	NYM, Biblidinae	A
\$2 on \$3.75	Tiger Butterfly, <i>Tithorea harmonia</i> Cramer (Sc#639 surch)	NYM, Danainae	A

Beyond the Catalog

(Issues of dubious validity)

CENTRAL AFRICA 2018 January 16 (Butterflies) (MS/4 & SS/1) (CA18008a&b)

a	850fr	Orange Tip, <i>Anthocharis cardamines</i> L.	PIE, Pierinae	A
b	850fr	Scarce or Kite Swallowtail, <i>Iphiclides podalirius</i> L.	PAP, Papilioninae	A
c	850fr	Marbled White, <i>Melanargia galathea</i> L.	NYM, Satyrinae	A
d	850fr	Gatekeeper, <i>Pyronia tithonus</i> L.	NYM, Satyrinae	A
	SS 3300fr	Common Birdwing, <i>Troides helena</i> L.	PAP, Papilioninae	A
	Margin	LL: Malay Tailed Judy, <i>Abisara savitri</i> C&R Felder	RIO, Riodininae	A
		LR: Giant Swallowtail, <i>Papilio cresphontes</i> Cramer	PAP, Papilionidae	A

DJIBOUTI 2018 February 19 (Butterflies) (MS/4 & SS/1) (DJB18112a&b)

a	240fr	Themis Forester, <i>Euphaedra themis</i> Hübner	NYM, Limenitidinae	A
b	240fr	Hewitson's Forester, <i>Bebearia tentyris</i> Hewitson	NYM, Limenitidinae	A
c	240fr	Common Yellow Glider, <i>Cymothoe egesta</i> Cramer	NYM, Limenitidinae	A
d	240fr	Golden Pansy, <i>Junonia sophia</i> Fabr.	NYM, Nymphalinae	A
	SS 950fr	Blue Doctor, <i>Rhetus periander</i> Cramer	RIO, Riodininae	A
	Margin	Top: Edward's Forester, <i>Euphaedra edwardsi</i> van der Hoeven	NYM, Limenitidinae	Z
		Bot: Janetta Forester, <i>Euphaedra janetta</i> Butler	NYM, Limenitidinae	Z
		UR: Madagascan Sunset Moth, <i>Chrysidia rhipheus</i> Drury	URA, Uraniinae	Z

2018 March 15 (Mushrooms) (MS/4) (DJB18201a)

a	240fr	Clouded Apollo, <i>Parnassius mnemosyne</i> L.	PAP, Papilioninae	B
b	240fr	Asian Giant Hornet, <i>Vespa mandarinia</i> Smith (world's largest hornet)	VES, Vespinae	B
c	240fr	Tomato Looper, <i>Chrysodeixis chalcites</i> Esper (larva)	NOC, Plusiinae	B

GUINEA 2018 February 27 (Butterflies) (MS/4 & SS/1) (GU18114a&b)

a	12500fr	Spicebush Swallowtail, <i>Papilio troilus</i> L.	PAP, Papilioninae	A
b	12500fr	Southern Birdwing, <i>Troides minos</i> Cramer	PAP, Papilioninae	A
c	12500fr	Teucer Giant Owl, <i>Caligo teucer</i> L.	NYM, Morphinae	A
d	12500fr	Malabar Banded Peacock, <i>Papilio buddha</i> Westwood	PAP, Papilioninae	A
	SS 50000fr	Kaiser-I-Hind, <i>Teinopalpus imperialis</i> Hope	PAP, Papilioninae	A
	Margin	UR: Southern Birdwing, <i>Troides minos</i> Cramer	PAP, Papilioninae	Z
		MR & LR: White Dragontail, <i>Lamproptera curius</i> Fabr.	PAP, Papilioninae	Z

GUINEA (continued)		2018 February 27 (Cats) (SS/1) (GU18121b)	
SS 5000fr	Top & LL: Common Morpho, <i>Morpho helenor peleides</i> Kollar	NYM, Morphinae	Z
MALDIVE ISLANDS		2017 March 16 (Flora & Fauna) (9ea MS/4 & 9ea SS/1)	
These sheets depict various flora & fauna, but all have an identical stylized margin decoration.			
(Flowers & Trees, Crabs & Lobsters, Doves)			
4×20r	UL & LR: Stylized Butterfly	Lepidoptera	S Z
SS 60r	UL: Stylized Butterfly	Lepidoptera	S Z
(Bats, Spiders, Dugongs, Lizards, Owls & Mushrooms, Ducks)			
4×22r	UL & LR: Stylized Butterfly	Lepidoptera	S Z
SS 70r	UL: Stylized Butterfly	Lepidoptera	S Z
		2018 March 15 (Snakes) (SS/1) (MLD18312b)	
SS 70r	LR: Themis Forester, <i>Euphaedra themis</i> Hübner	NYM, Limenitidinae	Z
	Ctr: 8 tiny Stylized Swallowtails	PAP, Papilioninae	S Z
MOZAMBIQUE		2018 February 15 (Insect Parasites) (MS/4 & SS/1) (MOZ18105a&b)	
a	116m Colorado Potato Beetle, <i>Leptinotarsa decemlineata</i> Say	CHR, Chrysomelinae	A
b	116m Human Flea, <i>Pulex irritans</i> L.	Pulicidae, Pulicinae	A
d	116m Bed Bug, <i>Cimex lectularius</i> L.	Cimicidae, Cimicinae	A
SS 300m	Ticks		
Margin	L & R: House Fly, <i>Musca domestica</i> L.	MUS, Muscinae	Z
	Bot: American Cockroach, <i>Periplaneta americana</i> L.	BLA, Blattinae	Z
		2018 February 15 (Butterflies) (MS/4 & SS/1) (MOZ18106a&b)	
a	116m Blue Salamis, <i>Salamis temora</i> C&R Felder	NYM, Nymphalinae	A
b	116m Gray Pansy, <i>Junonia atlites</i> L.	NYM, Nymphalinae	A
c	116m Amber Daggerwing, <i>Marpesia berania</i> Hewitson	NYM, Cyrestinae	A
d	116m Blue Metalmark, <i>Lasaia sula</i> Staudinger	RIO, Riodininae	A
SS 300m	Orange Oakleaf, <i>Kallima inachus</i> Boisduval	NYM, Nymphalinae	A
Margin	L: Kamehameha Butterfly, <i>Vanessa tameamea</i> Eschscholtz	NYM, Nymphalinae	Z
	LR: Purple Emperor, <i>Apatura iris</i> L.	NYM, Apaturinae	Z
		2018 February 15 (Bees) (MS/4 & SS/1) (MOZ18120a&b)	
a	116m <i>Xylocopa caffra</i> L.	API, Xylocopinae	A
b	116m Field Cuckoo Bumblebee, <i>Psithyrus campestris</i> Panzer	API, Apinae	A
c	116m Great Banded Furrow-Bee, <i>Halictus scabiosae</i> Rossi	HAL, Halictinae	A
d	116m European Paper Wasp, <i>Polistes dominula</i> Christ	VES, Polistinae	A
SS 300m	Western Honey Bee, <i>Apis mellifera</i> L. (also in Ctr margin)	API, Apinae	A
Margin	UL: Aerial Yellow Jacket, <i>Dolichovespula arenaria</i> Fabr.	VES, Vespinae	Z
	LL: Great Banded Furrow-Bee, <i>Halictus scabiosae</i> Rossi	HAL, Halictinae	Z
	UR: European Hornet, <i>Vespa crabro</i> L.	VES, Vespinae	Z
	Bot: European Paper Wasp, <i>Polistes dominula</i> Christ	VES, Polistinae	Z
		2018 February 15 (Bee-eater Birds) (MS/4 & SS/1) (MOZ18124a&b)	
a	116m U/I Bee in bird's beak (w/ <i>Merops ornatus</i>)	API, Apinae	U C
c	116m U/I Bee in bird's beak (w/ <i>Merops apiaster</i>)	API, Apinae	U C
SS 300m	Bot: U/I Dragonfly in bird's beak	Odonata	U Z
		2018 February 15 (Kingfishers) (SS/1) (MOZ18125b)	
SS 300m	L & LL: Small Tortoiseshell, <i>Nymphalis urticae</i> L.	NYM, Nymphalinae	Z
	UL & UR: tiny U/I Butterflies	PIE, Pierinae	U Z

MOZAMBIQUE (continued)		2018 February 15 (Micro Monsters) (MS/4 & SS/1) (MOZ18128a&b)		
a	116m	Top: Peacock Mite, <i>Tuckerella ornatus</i> Tucker Bot: <i>Baetis alpinus</i> Pictet	Tetranychidae, Tuckerellidae Baetidae, Baetinae	A
b	116m	Wheat or Grain Weevil, <i>Sitophilus granarius</i> L.	Dryophthoridae, Dryophthorinae	A
c	116m	Common Horse Fly, <i>Haematopota pluvialis</i> L.	TAB, Tabaninae	A
d	116m	Top: <i>Tripetoptera canadensis</i> Macquart Bot: Human Flea, <i>Pulex irritans</i> L.	Sciomyzidae, Sciomyzinae Pulicidae, Pulicinae	A
	300m	Blue Bottle Fly, <i>Calliphora vomitoria</i> L.	Calliphoridae, Calliphorinae	A
	Margin	LL: <i>Drosophila pseudoobscura</i> Frolova, LR: Red Wood Ant, <i>Formica rufa</i> L.	DRO, Drosophilinae FOR, Formicinae	Z

2018 April 15 (Natural History Museum-Berlin) (MS/4 & SS/1)

Each individual stamp was also issued in MS/4.

b	116m	Northern Jungle Queen, <i>Stichophthalma camadeva</i> Westwood	NYM, Morphinae	A
d	116m	† <i>Meganeura monyi</i> Brongniart	MEGA, Meganeurinae	A
	SS 300m	Brown Clipper, <i>Parthenos sylvia</i> ssp. <i>philippinensis</i> Fruhstorfer	NYM, Limenitidinae	A

NIGER **2018 February 15** (Mushrooms) (MS/4) (NIG18107a)

a	800fr	Seven-spot Ladybird, <i>Coccinella septempunctata</i> L.	COC, Coccinellinae	C
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RUSSIA (Dagestan) **1992** (Illegal opts on blocks of Russian stamps) (New data)

a	500r on 4k	<i>Brahmaea ledereri</i> Rogenhofer	BRA, Brahmaeinae	B
b	500r on 4k	<i>Zenophassus schamyl</i> Christoph (Cap: <i>Phassus</i>)	Hepialidae	B
c	500r on 4k	<i>Lertha ledereri</i> Sélys-Longchamps	NEM, Nemopterinae	B
d	500r on 4k	<i>Lertha extensa</i> Olivier (Cap: <i>Olivienna</i>)	NEM, Nemopterinae	B
e	500r on 4k	<i>Nemoptera sinuata</i> Olivier	NEM, Nemopterinae	B

SIERRA LEONE **2018 February 27** (Stamp-on-Stamp) (MS/4) (SRL18118b)

	SS 40000le	Dogs (s-o-s)		
	Margin	Alpine Apollo, <i>Parnassius phoebus</i> Fabr. (DDR Sc#684 s-o-s)	PAP, Parnassiinae	Z

2018 March 30 (Butterflies) (MS/4 & SS/1) (SRL18215a&b)

a	9800le	Serville's Swordtail, <i>Eurytides serville</i> Godart	PAP, Papilioninae	A
b	9800le	Common Morpho, <i>Morpho deidamia</i> Hübner	NYM, Morphinae	A
c	9800le	<i>Stichophthalma louisa</i> Wood-Mason	NYM, Morphinae	A
d	9800le	Foxy Charaxes, <i>Charaxes jasius</i> L.	NYM, Charaxinae	A
	SS 40000le	Red Flasher, <i>Panacea prola</i> Doubleday & Hewitson	NYM, Limenitidinae	A
	Margin	Top: U/I Butterfly	Lepidoptera	U Z
		Ctr: U/I Swallowtail Butterfly	PAP, Papilioninae	U Z
		R: Monarch, <i>Danaus plexippus</i> L.	NYM, Danainae	Z

TOGO **2018 March 20** (Endangered Species) (SS/1) (TG18202b)

	SS 3300fr	LL: Queen Alexandra's Birdwing, <i>Troides alexandrae</i> Rothschild	PAP, Papilioninae	Z
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2018 March 20 (Butterflies) (MS/4 & SS/2) (TG18207a&b)

a	800fr	White Checkered Skipper, <i>Pyrgus albescens</i> Plötz	HES, Pyrginae	A
b	800fr	Clouded Yellow, <i>Colias philodice</i> Godart ♀	PIE, Coliadinae	A
c	800fr	Mazarine Blue, <i>Polyommatus semiargus</i> Rottemburg	LYC, Polyommatae	A
d	800fr	Western White, <i>Pontia occidentalis</i> Reakirt	PIE, Pierinae	A
	SS 3300fr	Aster or Hoffmann's Checkerspot, <i>Chlosyne hoffmanni</i> Behr	NYM, Nymphalinae	A
	Margin	R: Clouded Yellow, <i>Colias croceus</i> Geoffroy ♀	PIE, Coliadinae	Z
		Ctr: Same species (verso)	PIE, Coliadinae	Z

BEES

On 1 May 2018, Canada Post issued a booklet of ten stamps depicting somewhat stylized images of bees. The stamps are denominated at the “Permanent” domestic rate, which at the time of issue is 85 cents. The stamps measure 31 mm × 31 mm.

Canadian Bank Note printed the stamps using four-color lithography and produced 140,000 booklets. The designer was Andrew Perro and the illustrator was Dave Murray.



According to the press release from Canada Post, experts believe there are approximately 4,000 species of bees native to North America. The stamps show two of the more than 850 species native to Canada.

The Rusty-patched Bumblebee (*Bombus affinis*), once common in parts of Ontario and Quebec, was the first bee species to be listed by the Committee on the Status of Endangered Wildlife in Canada.

The Bicolored Striped Sweat Bee (*Agapostemon virescens*), one of many sweat bee species, digs its nest in the ground and can be found throughout southern Ontario.

The Official First Day Cover features another Canadian native—a Small Eastern Resin Bee (*Anthidiellum notatum*), which constructs a unique nest from resin and gravel.





PALEONTOLOGY

Editor

Michael Kogan, BU1863

New Listings



Scott#	Denom	Common Name/Scientific Name	Family	Code
CENTRAL AFRICAN REPUBLIC 2018 January 16 (Prehistoric Water Animals) ^[1] (MS/4 & SS/1)				
a	900fr	<i>Odobenocetops peruvianus</i>	†Odobenocetopsidae	A
b	900fr	Top: <i>Edestus mirus</i> Bot: <i>Shonisaurus popularis</i>	†Edestidae †Shonisauridae	B B
c	900fr	<i>Psephoderma alpinum</i>	†Placochelyidae	A
d	900fr	Frilled Shark, <i>Chlamydoselachus anguineus</i>	Chlamydoselachidae	A
	SS 3600fr	<i>Parapuzosia seppenradensis</i>	†Desmoceratidae	A
	Margin	UR: Megalodon, <i>Carcharocles megalodon</i> Bot: <i>Liopleurodon ferox</i>	†Otodontidae †Pliosauridae	Z Z
CZECH REPUBLIC 2018 April 4 (Eduard Štorch-archaeologist & writer) (Single)				
	19k	Eduard Štorch (1878–1959) (w/ Mammoth in bkgrd)		R
DJIBOUTI 2018 February 15 (Extinct Animals) ^[1] (MS/4 & SS/1)				
a	240fr	<i>Diprotodon optatum</i>	†Diprotodontidae	A
b	240fr	Woolly Rhinoceros, <i>Coelodonta antiquitatis</i>	Rhinocerotidae	A
c	240fr	<i>Megatherium americanum</i>	†Megatheriidae	A
d	240fr	<i>Doedicurus</i> (Cap: <i>Incilius periglenes</i>)	Chlamyphoridae	A
	SS 950fr	Golden Toad, <i>Incilius periglenes</i>	Bufonidae	R A
	Margin	LL: Saber-toothed Cat, <i>Smilodon fatalis</i> R: Dodo, <i>Raphus cucullatus</i>	Felidae Columbidae	Z Z
MOZAMBIQUE 2018 February 15 (Dinosaurs) ^[1] (MS/4 & SS/1)				
a	116m	<i>Pachycephalosaurus wyomingensis</i>	†Pachycephalosauridae	A
b	116m	<i>Lambeosaurus lambei</i>	†Hadrosauridae	A
c	116m	<i>Torosaurus latus</i>	†Ceratopsidae	A
d	116m	<i>Stegosaurus stenops</i>	†Stegosauridae	A
	SS 300m	<i>Gorgosaurus libratus</i>	†Tyrannosauridae	A
	Margin	LR: <i>Brachiosaurus altithorax</i> LL: <i>Carcharodontosaurus saharicus</i>	†Brachiosauridae †Carcharodontosauridae	Z Z
2018 February 15 (Extinct Animals) ^[1] (MS/4 & SS/1)				
a	116m	Woolly Rhinoceros, <i>Coelodonta antiquitatis</i>	Rhinocerotidae	A
b	116m	<i>Bramatherium perimense</i>	Giraffidae	A
c	116m	<i>Megacerops coloradensis</i>	†Brontotheriidae	A
d	116m	<i>Paraceratherium bugtiense</i>	†Hyracodontidae	A
	SS 300m	<i>Andrewsarchus mongoliensis</i>	Clade: Cetancodontamorpha	A
	Margin	LL: Saber-toothed Cat, <i>Smilodon populator</i> LR: <i>Platybelodon danovi</i>	Felidae †Amebelodontidae	Z Z
2018 April 15 (Berlin Natural History Museum) ^[1] (Set/4 & SS/1)				
a	116m	<i>Stegosaurus stenops</i> (w/ fossil skull)	†Stegosauridae	A
d	116m	<i>Meganeura monyi</i> (w/ fossil)	†Meganeuridae	A

MOZAMBIQUE (continued)

SS 300m	Ammonite, <i>Perisphinctes wartae</i> (w/ <i>Parthenos sylvia</i>)	†Perisphinctidae	B
Margin	Ctr: U/I Dinosaur skull		U Z
	Bot: <i>Mesolimulus walchi</i> (fossil)	Limulidae	Z

2018 April 15 (Flying Dinosaurs)^[1] (Set/4 & SS/1)

a	116m	<i>Scaphognathus crassirostris</i> (w/ fossil)	†Rhamphorhynchidae	A
b	116m	<i>Pterodaustro guinazui</i> (w/ fossil)	†Ctenochasmatidae	A
c	116m	<i>Sordes pilosus</i> (w/ fossil)	Clade: †Breviquartossa	A
d	116m	<i>Nyctosaurus gracilis</i> (w/ fossil)	†Nyctosauridae	A
	SS 300m	<i>Eudimorphodon ranzii</i> (w/ fossil)	†Eudimorphodontidae	A
	Margin	LL: <i>Dimorphodon macronyx</i>	†Dimorphodontidae	Z
		LR: <i>Anurognathus ammoni</i>	†Anurognathidae	Z

SLOVENIA**2018 March 23** (Mammal Fossils in Slovenia: Mastodon) (Single)

78c	<i>Anancus arvernensis</i> (fossil tooth & reconstructed image)	†Anancidae	A
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SIERRA LEONE**2018 February 27** (Extinct Animals) (MS/4 & SS/1)

a	9800le	Woolly Rhinoceros, <i>Coelodonta antiquitatis</i>	Rhinocerotidae	A
b	9800le	Red Rail, <i>Aphanapteryx bonasia</i>	Rallidae	A
c	9800le	Woolly Mammoth, <i>Mammuthus primigenius</i>	Elephantidae	A
d	9800le	Saber-toothed Cat, <i>Smilodon gracilis</i>	Felidae	A
	SS 40000le	<i>Deinotherium giganteum</i>	†Deinotheriidae	A
	Margin	Ctr: Woolly Mammoth, <i>Mammuthus primigenius</i>	Elephantidae	Z
		Bot: Saber-toothed Cat, <i>Smilodon gracilis</i>	Felidae	Z

2018 March 30 (Dinosaurs) (MS/4 & SS/1)

a	9800le	<i>Protoceratops andrewsi</i>	†Protoceratopsidae	A
b	9800le	<i>Stegosaurus stenops</i>	†Stegosauridae	A
c	9800le	<i>Therizinosaurus cheloniformis</i>	†Therizinosauridae	A
d	9800le	<i>Dilophosaurus wetherilli</i>	†Dilophosauridae	A
	SS 40000le	<i>Brasilotitan nemophagus</i>	Clade: †Titanosauria	A
	Margin	Ctr: <i>Dromaeosaurus albertensis</i>	†Dromaeosauridae	Z
		R: <i>Tyrannosaurus rex</i>	†Tyrannosauridae	Z

SOLOMON ISLANDS**2017 December 12** (135th death anniv. Darwin)^[1] (MS/4 & SS/1)

a	\$10	Mankind evolution (w/ elder Darwin portrait)		R
b	\$10	HMS <i>Beagle</i> (w/ younger Darwin portrait)		R
c	\$10	HMS <i>Beagle</i> (w/ manuscript page)		R
d	\$10	<i>Homo naledi</i> (w/ DNA strand)	Hominidae	B
	SS \$40	Charles Darwin (1809–1882) portrait		R
	Margin	UR: U/I Ammonite		U Z
		LL: U/I theropod dinosaur		U Z
		LR: <i>Homo naledi</i>	Hominidae	Z

Commemorative Postmarks**KOREA (South)****2018 February 2**

New permanent postmark with *Spinosaurus* replacing permanent postmark of *Pteranodon*.

ROMANIA**2018 April 12**

Commemorative postmark showing two dinosaurs: *Stegosaurus* and U/I carnivorous one.

2018 April 19

Commemorative postmark showing human evolution sequence.

Future Issues

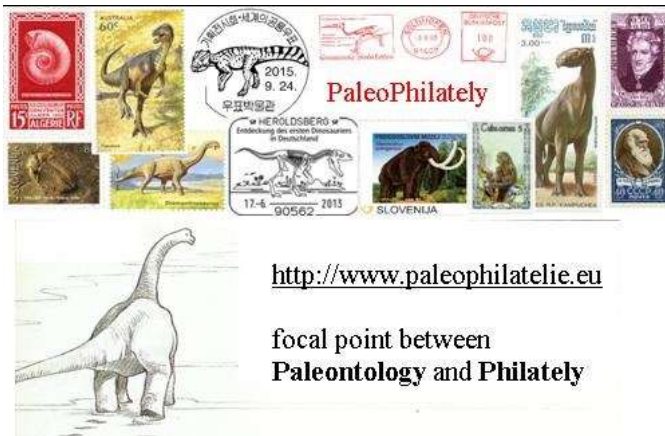
- 2018.06.??: **Australia:** *Jurassic World: Fallen Kingdom* personalized stamps of Australian post.
- 2018.08.??: **Israel:** Archeology in Israel: Two stamps dedicated to archaeozoology in Israel. The stamps depict two important archaeology finds from Israel: a female lion skull from the late Bronze Age discovered in Jaffa, and an elephant ivory tusk from the Acheulean period discovered near the city of Holon. These two finds are evidence that lions and elephants once lived in the Israel region.
- 2018.08.27: **Belgium:** Prehistoric Animals. MS/10 stamps with a Mammoth image on the margin. The stamps are designed by the same artist (Constantijn van Cauwenberge, nickname Conz) who designed the dinosaur stamps of Belgium 2015.
- 2018.09.03: **Hungary:** MS/6 dinosaur stamps.
- 2018.09.06: **Ireland:** Irish Scientific Discoveries. Tentative. At this moment it is not known what these stamps will depict.
- 2018.10.10: **Czech Republic:** 200 years of the National Museum in Prague. The stamp depicts the building and expositions of the National Museum. The National Museum is the largest Czech museum. The museum started with donations of large private collections, dedicated mostly to natural science, by a group of local aristocrats led by Count Kaspar Maria Sternberg.
- 2018.??.??: **Armenia:** Flora and Fauna of the Ancient World. Perhaps some more dinosaur stamps, similar to stamps set of 2017.
- Next Year:
- 2019.03.??: **Slovenia:** Oligocene Mammal Fossil: *Anthracotherium*.

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/year/current.html>
list of all new issues

http://www.paleophilatelie.eu/phil_catalogue.html
chronology and country based catalog

http://www.paleophilatelie.eu/stamps_overview.html
gallery of stamps, FDC, circulated covers

Contact: admin@paleophilatelie.eu

Join us on Facebook: PaleoPhilately group



BIOLOGY REFERENCE WEBSITES

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

STAMP ISSUES

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/

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

GENERAL

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

<http://stamps.org/>

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

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

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

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

The Philatelist. A blog by a philatelic journalist in Portugal. Displayed in several selectable languages.

Contains current philatelic news stories and links to archives with past stories. Also includes links to dozens of other world-wide philatelic websites. Philatelic publication reviews.

<http://o-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 Center. Dutch site under the Royal Netherlands Academy of Science and Arts dealing with the taxonomy and evolution of fungi. Includes searchable taxonomic databases.

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

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

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

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

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

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

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

ENTOMOLOGY:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

<http://www.nhm.ac.uk/our-science/data/butmoth/>

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

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

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

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

HERPETOLOGY:

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

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

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

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

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

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

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

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

ICHTHYOLOGY

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

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

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

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

MAMMALS

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

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

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

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

ORNITHOLOGY

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

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

Bird Stamp Society. Website of an organization catering to collectors of bird stamps. They publish a quarterly journal that lists new birds on stamps.

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

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

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

PALEONTOLOGY:

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

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

Paleophilately. 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.paleophilately.eu/index.html>

GLOSSARY OF TERMS

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

Checklist Codes:

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

Acronyms and Abbreviations:

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

Entomology Family Abbreviations:

ACR	Acrididae	AES	Aeshnidae	AND	Andrenidae
ANO	Anobiidae	ANT	Anthicidae	API	Apinae
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		